appendix_altest.R

datalab

2023-06-16

```
############################################################
#################      Non-Parametric RDD        #############
################      October 10, 2018     ##################
########  Rerun and fixed some issues: Dec 16, 2022


#####This code consists of the codes from several sources.
#####    1. The bootstrap functions are taken from the following source:
####      http://www.stat.wisc.edu/~larget/stat302/chap3.pdf
####     2. The script for the non-parametric point estimation is taken from the
####      Keele and Titiunik (2015) replication materials.


rm(list=ls())
library(plyr)
library(readstata13)
library(multiwayvcov)
library(sandwich)
library(lmtest)
library(stargazer)
library(ggplot2)
source("~/Dropbox/Personal Research 2017/replications/distance-functions.R")  #load distance function f
options(width=300)
library(foreign)
library(rdrobust)
library(fields)

#####################################################
####### Define Bootstrap Function #################
#####Functon is taken from the website:
####http://www.stat.wisc.edu/~larget/stat302/chap3.pdf

boot.mean = function(x,B,binwidth=NULL) {
  n = length(x)
  boot.samples = matrix( sample(x,size=n*B,replace=TRUE), B, n)
  boot.statistics = apply(boot.samples,1,mean)
  se = sd(boot.statistics)
  require(ggplot2)
  if ( is.null(binwidth) )
    binwidth = diff(range(boot.statistics))/30
  p = ggplot(data.frame(x=boot.statistics),aes(x=x)) +
    geom_histogram(aes(y=..density..),binwidth=binwidth) + geom_density(color="red")
```

```
  #plot(p)
  interval = mean(x) + c(-1,1)*2*se
  #print( interval )
  return( list(boot.mean=mean(x), boot.statistics = boot.statistics, interval=interval, se=se) )
}


#######################################

# setwd("~/Dropbox/Personal Research 2017")  #set wd
dat=read.csv("~/Dropbox/Personal Research 2017/replications/karn_nov16.csv") #load the file

set.seed(113) #for the randomization - set the seed

summary(dat$Latitude)
```

```
##    Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
##   13.49   14.28   14.96   15.25   16.21   17.75     138
```

```
summary(dat$Longitude)
```

```
##    Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
##   74.12   75.26   75.89   75.90   76.48   77.67     138
```

```
summary(dat$border1)     #mysore-bombay
```

```
##    Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
##   0.000   0.000   1.000   0.599   1.000   1.000    5146
```

```
summary(dat$border2)     #hyd-bombay
```

```
##    Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
##   0.000   0.000   1.000   0.569   1.000   1.000    6425
```

```
summary(dat$pucca_binary)
```

```
##    Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
##  0.0000  1.0000  1.0000  0.8306  1.0000  1.0000
```

```
band=20


pointsALL<- read.dbf("~/Dropbox/Personal Research 2017/replications/mysborderpts.dbf") #load the points
dim(pointsALL)
```

```
## [1] 264 130
```

```
names(pointsALL)
```

```
##   [1] "OBJECTID"   "VILLAGE_ID" "NAME"       "SUB_DISTRI" "DISTRICT"   "STATE_UT"   "C_CODE01"   "LE
##  [23] "M_LIT"      "F_LIT"      "TOT_ILLT"   "M_ILLT"     "F_ILLT"     "TOT_W"      "M_W"        "F_
##  [45] "F_OTH_W"    "TOT_MRW"    "M_MRW"      "F_MRW"      "T_MRG_CULT" "M_MRG_CULT" "F_MRG_CULT" "T_
##  [67] "district_2" "state_ut_2" "c_code01_2" "level_2"    "tot_nm_hh_" "tot_pop_2"  "m_pop_2"    "f_
##  [89] "f_illt_2"   "tot_w_2"    "m_w_2"      "f_w_2"      "tot_mnw_2"  "m_mnw_2"    "f_mnw_2"    "to
## [111] "t_mrg_cu_1" "m_mrg_cu_1" "f_mrg_cu_1" "t_mrg_ag_1" "m_mrg_ag_1" "f_mrg_ag_1" "t_mrg_hh_2" "m_
```

```
pointsALL$latitude= pointsALL$Latitude
pointsALL$longitude= -pointsALL$Longitude
```

```
## Look at latitude and longitude ( for this town lat: 43, long:87)
range(pointsALL$latitude)
```

```
## [1] 13.9861 14.7248
```

```
range(pointsALL$longitude)
```

```
## [1] -75.8189 -74.6420
```

```
data=dat[which(dat$Latitude!="NA"|dat$Longitude!="NA"),]

data$longitude=-data$Longitude
data$latitude=data$Latitude
data$treat=data$border1
summary(data$treat)
```

```
##    Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
##   0.000   0.000   1.000   0.599   1.000   1.000    5008
```

```
range(data$latitude)
```

```
## [1] 13.49358 17.75469
```

```
range(data$longitude)
```

```
## [1] -77.67305 -74.12059
```

```
#health
##########################################
#
# Define outcomes of analysis
#
##########################################
outcomes <- c("health_binary") #substitute the necessary outcome


##########################################
#
# Use same fix bandwidth for every point
#
##########################################
# define points
z = c(1:nrow(pointsALL))
#z = c(20, 75, 150, 225)
cat("We only include points below \n")
```

```
## We only include points below
```

```
print(z)
```

```
##   [1]   1   2   3   4   5   6   7   8   9  10  11  12  13  14  15  16  17  18  19  20  21  22  23  24
##  [74]  74  75  76  77  78  79  80  81  82  83  84  85  86  87  88  89  90  91  92  93  94  95  96  97
## [147] 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170
## [220] 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243
```

```
points = pointsALL[z,]
```

```r
# use fixed bandwidth for every point and outcome
hfix = band
hlist =  vector("list", length(outcomes))
for(j in 1:length(outcomes)) hlist[[j]] = rep(hfix, length(z))

########################################
#
# Estimate yhat for treatments and controls separately, using fixed bandwidth, for every outcome
#
########################################
## Set up parameters for estimation
dislimit10per = 1.00
dislimitmin   = 0.50
minobs = 10
np = nrow(points)



colnm2 = c("Point", "Estimate", "Conv-CIl",  "Conv-CIu", "hfix", "Ntr-hfix", "Nco-hfix", "Rob-CIl",  "Ro
finaltab = as.data.frame(matrix(data=NA, ncol = length(colnm2), nrow = np * length(outcomes), dimnames =



for(j in 1:length(outcomes)) {
  t0 = proc.time()[3]
  cat("/*****************************************************************************\n")
  cat("Starting estimation of variable", outcomes[j], "\n")
  cat("/*****************************************************************************\n")
  ## Set up data
  datause = data[complete.cases(data$latitude, data$longitude, data$treat, data[,c(outcomes[j])]),]

  ## Get covariates: latitude and longitude
  x1 <- datause$latitude
  x2 <- datause$longitude
  # Get outcome
  y <- datause[,c(outcomes[j])]
  treat <- datause$treat
  #table(datause$countyname, datause$treat)

  ## Set up treated data
  indx = (treat == 1)
  sum(indx)
  x1.Tr <- x1[indx]
  x2.Tr <- x2[indx]
  y.Tr  <- y[indx]
  rm(indx)
  gc()

  ## Set up control data
  indx = (treat == 0)
  sum(indx)
  x1.Co <- x1[indx]
  x2.Co <- x2[indx]
```

```
y.Co  <- y[indx]
rm(indx)
gc()


for(i in 1:np) {
  cat("Point", i, "of", np, "\n")
  b1 = points$latitude[i]
  b2 = points$longitude[i]
  h = hlist[[j]][i]


  ####################################
  #### Calculate score in treated area
  ####################################

  ## Calculate chordal distance between each (x1,x2) latitude-longitude pair in the data and the poin
  outdis = disvec(lat1=b1, lon1=b2, lat2 = x1.Tr, lon2 = x2.Tr)
  dis= as.vector(outdis$chord)
  summary(dis)
  disTr = dis
  cat("Minimum treated distance is ",min(dis), "\n")

  ## Create weights using triangular kernel and fixed bandwidth
  w = as.vector((1/h) * Kt((dis-0)/h))
  wTr=w
  npTr = sum(w>0)
  cat("There are", npTr, "Tr observations with positive weights out of", length(y.Tr), "Tr obs \n")

  ####################################
  #### Calculate score in control area
  ####################################
  ## Calculate chordal distance between each (x1,x2) latitude-longitude pair in the data and the poin
  outdis = disvec(lat1=b1, lon1=b2, lat2 = x1.Co, lon2 = x2.Co)
  dis= as.vector(outdis$chord)
  summary(dis)
  disCo = dis
  cat("Minimum control distance is ",min(dis), "\n")
  ## Create weights using triangular kernel and fixed bandwidth
  w = as.vector((1/h) * Kt((dis-0)/h))
  wCo=w
  npCo = sum(w>0)
  cat("There are", npCo, "Co observations with positive weights out of", length(y.Co), "Co obs \n")


  score = c(disTr, -disCo)
  y = c(y.Tr, y.Co)

  if(npTr >= minobs & npCo >= minobs) {
    #rdout = rdrobust(y = y , x = score , c = 0 , h = h)
    #print(rdout)
    #rdout.Coef = summary(rdout)
```

```
      rdoutCCT = rdrobust(y = y ,x = score , c = 0 , bwselect = "mserd")
      print(rdoutCCT)
      hCCT = rdoutCCT$bws[1]
      rdoutCCT.Coef = summary(rdoutCCT)
      rdoutCCT$sum

      #rdoutIK  = rdrobust(y = y ,x = score , c = 0 , bwselect = "cerrd")
      #print(rdoutIK)
      #hIK = rdoutIK$bws[1]
      #rdoutIK.Coef = summary(rdoutIK)
    }

    ################################
    # Store results
    ################################
    finaltab[i,"Point"]         = i
    finaltab[i, "Estimate"]     = round(rdoutCCT$coef[1], 2)
    finaltab[i, "Conv-CIl"]     = round(rdoutCCT$ci[1,1], 2)
    finaltab[i,  "Conv-CIu"]    = round(rdoutCCT$ci[1,2], 2)
    finaltab[i, "hfix"]         = hfix
    finaltab[i, "Ntr-hfix"]     = npTr
    finaltab[i, "Nco-hfix"]     = npCo
    finaltab[i, "Rob-CIl"]      = round(rdoutCCT$ci[3,1], 2)
    finaltab[i, "Rob-CIu"]      = round(rdoutCCT$ci[3,2], 2)
    #finaltab[i,"hCCT"]          = round(hCCT, 2)
    #finaltab[i, "Ntr-hCCT"]     = rdoutCCT$sum[1,2]
    #finaltab[i,"Nco-hCCT"]      = rdoutCCT$sum[1,1]
  }

  cat("\n\n\n")
  cat("----------------------------------------------------------\n")
  cat("Final results -- Outcome", outcomes[j], "\n")
  print(finaltab)
  cat("----------------------------------------------------------\n")
}# end iterating over outcomes
```

```
## /*******************************************************************************
## Starting estimation of variable health_binary
## /*******************************************************************************
## Point 1 of 264
## Minimum treated distance is  2.429756
## There are 44 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.518733
## There are 68 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            824         999
```

```
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                65.330      65.330
## BW bias (b)               104.996     104.996
## rho (h/b)                   0.622       0.622
## Unique Obs.                  2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            824         999
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 65.330      65.330
## BW bias (b)                104.996     104.996
## rho (h/b)                    0.622       0.622
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.100     0.095     1.052     0.293    [-0.087 , 0.287]
##         Robust         -         -     1.223     0.221    [-0.091 , 0.395]
## ===============================================================================
## Point 2 of 264
## Minimum treated distance is  1.579596
## There are 42 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.482473
## There are 74 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            814        1047
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 64.786      64.786
## BW bias (b)                104.339     104.339
## rho (h/b)                    0.621       0.621
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
```

```
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           814        1047
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                64.786      64.786
## BW bias (b)               104.339     104.339
## rho (h/b)                   0.621       0.621
## Unique Obs.                  2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.094     0.090     1.043     0.297    [-0.082 , 0.270]
##         Robust         -         -     1.238     0.216    [-0.084 , 0.373]
## ===============================================================================
## Point 3 of 264
## Minimum treated distance is  0.8219387
## There are 39 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.366789
## There are 80 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           787        1010
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                63.231      63.231
## BW bias (b)               102.620     102.620
## rho (h/b)                   0.616       0.616
## Unique Obs.                  2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           787        1010
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                63.231      63.231
## BW bias (b)               102.620     102.620
```

```
## rho (h/b)                    0.616       0.616
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.090     0.093     0.969     0.333    [-0.092 , 0.271]
##         Robust         -         -     1.158     0.247    [-0.096 , 0.372]
## ===============================================================================
## Point 4 of 264
## Minimum treated distance is  1.290765
## There are 133 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.796776
## There are 202 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            860         419
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.609      41.609
## BW bias (b)                 77.792      77.792
## rho (h/b)                    0.535       0.535
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            860         419
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.609      41.609
## BW bias (b)                 77.792      77.792
## rho (h/b)                    0.535       0.535
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.113     0.073    -1.543     0.123    [-0.256 , 0.030]
##         Robust         -         -    -1.537     0.124    [-0.306 , 0.037]
## ===============================================================================
## Point 5 of 264
```

```
## Minimum treated distance is  0.723222
## There are 134 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.980911
## There are 213 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            932         455
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 43.800      43.800
## BW bias (b)                 79.069      79.069
## rho (h/b)                    0.554       0.554
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            932         455
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 43.800      43.800
## BW bias (b)                 79.069      79.069
## rho (h/b)                    0.554       0.554
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.095     0.068    -1.395     0.163    [-0.229 , 0.039]
##         Robust         -         -    -1.357     0.175    [-0.275 , 0.050]
## ===============================================================================
## Point 6 of 264
## Minimum treated distance is  0.9887054
## There are 132 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.934405
## There are 207 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
```

```
## VCE method                      NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           953         463
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                44.549      44.549
## BW bias (b)                79.362      79.362
## rho (h/b)                   0.561       0.561
## Unique Obs.                  2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                      NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           953         463
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                44.549      44.549
## BW bias (b)                79.362      79.362
## rho (h/b)                   0.561       0.561
## Unique Obs.                  2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.081     0.065    -1.250     0.211    [-0.209 , 0.046]
##         Robust         -         -    -1.218     0.223    [-0.252 , 0.059]
## ===============================================================================
## Point 7 of 264
## Minimum treated distance is  1.396779
## There are 42 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.082541
## There are 83 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                      NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           720         853
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                59.668      59.668
## BW bias (b)                93.877      93.877
## rho (h/b)                   0.636       0.636
## Unique Obs.                  2720        3447
```

```
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            720         853
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 59.668      59.668
## BW bias (b)                 93.877      93.877
## rho (h/b)                    0.636       0.636
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.075     0.096     0.785     0.433    [-0.112 , 0.262]
##         Robust         -         -     0.849     0.396    [-0.139 , 0.351]
## ===============================================================================
## Point 8 of 264
## Minimum treated distance is  0.9446528
## There are 47 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.978921
## There are 80 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            680         812
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 58.351      58.351
## BW bias (b)                 92.010      92.010
## rho (h/b)                    0.634       0.634
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            680         812
```

```
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                58.351      58.351
## BW bias (b)                92.010      92.010
## rho (h/b)                   0.634       0.634
## Unique Obs.                  2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.067     0.094     0.705     0.481    [-0.119 , 0.252]
##         Robust         -         -     0.743     0.458    [-0.149 , 0.331]
## ===============================================================================
## Point 9 of 264
## Minimum treated distance is  1.355107
## There are 63 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.448771
## There are 64 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           713        1070
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                63.143      63.143
## BW bias (b)               101.403     101.403
## rho (h/b)                   0.623       0.623
## Unique Obs.                  2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           713        1070
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                63.143      63.143
## BW bias (b)               101.403     101.403
## rho (h/b)                   0.623       0.623
## Unique Obs.                  2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
```

```
##   Conventional     0.067     0.089     0.748     0.455    [-0.108 , 0.242]
##         Robust         -         -     0.825     0.409    [-0.130 , 0.320]
## ================================================================================
## Point 10 of 264
## Minimum treated distance is  1.796877
## There are 66 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.26198
## There are 60 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            717        1132
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 64.487      64.487
## BW bias (b)                104.181     104.181
## rho (h/b)                    0.619       0.619
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            717        1132
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 64.487      64.487
## BW bias (b)                104.181     104.181
## rho (h/b)                    0.619       0.619
## Unique Obs.                   2720        3447
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional     0.059     0.091     0.645     0.519    [-0.120 , 0.238]
##         Robust         -         -     0.752     0.452    [-0.142 , 0.319]
## ================================================================================
## Point 11 of 264
## Minimum treated distance is  1.797964
## There are 60 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.4082015
## There are 71 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
```

```
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            717        1062
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 62.504      62.504
## BW bias (b)                 98.515      98.515
## rho (h/b)                    0.634       0.634
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            717        1062
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 62.504      62.504
## BW bias (b)                 98.515      98.515
## rho (h/b)                    0.634       0.634
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.066     0.091     0.734     0.463    [-0.111 , 0.244]
##         Robust         -         -     0.813     0.416    [-0.135 , 0.327]
## ===============================================================================
## Point 12 of 264
## Minimum treated distance is  0.8979062
## There are 51 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.108028
## There are 74 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            696         928
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
```

```
## BW est. (h)                 59.925      59.925
## BW bias (b)                 93.845      93.845
## rho (h/b)                    0.639       0.639
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            696         928
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 59.925      59.925
## BW bias (b)                 93.845      93.845
## rho (h/b)                    0.639       0.639
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.066     0.094     0.700     0.484    [-0.119 , 0.251]
##         Robust         -         -     0.754     0.451    [-0.149 , 0.334]
## ===============================================================================
## Point 13 of 264
## Minimum treated distance is  2.247173
## There are 79 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.89113
## There are 59 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            716        1286
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 66.114      66.114
## BW bias (b)                107.537     107.537
## rho (h/b)                    0.615       0.615
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
```

```
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             716        1286
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  66.114      66.114
## BW bias (b)                 107.537     107.537
## rho (h/b)                     0.615       0.615
## Unique Obs.                    2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.034     0.090     0.382     0.703    [-0.142 , 0.211]
##         Robust         -         -     0.569     0.570    [-0.161 , 0.292]
## ===============================================================================
## Point 14 of 264
## Minimum treated distance is  1.486475
## There are 88 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.833957
## There are 57 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             518         889
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  55.793      55.793
## BW bias (b)                  88.947      88.947
## rho (h/b)                     0.627       0.627
## Unique Obs.                    2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             518         889
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  55.793      55.793
## BW bias (b)                  88.947      88.947
## rho (h/b)                     0.627       0.627
## Unique Obs.                    2720        3447
```

```
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional     0.022     0.109     0.199     0.842    [-0.191 , 0.235]
##         Robust         -         -     0.204     0.838    [-0.246 , 0.304]
## ================================================================================
## Point 15 of 264
## Minimum treated distance is  1.460299
## There are 139 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.554523
## There are 202 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            781         398
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 39.668      39.668
## BW bias (b)                 76.532      76.532
## rho (h/b)                    0.518       0.518
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            781         398
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 39.668      39.668
## BW bias (b)                 76.532      76.532
## rho (h/b)                    0.518       0.518
## Unique Obs.                   2720        3447
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.124     0.078    -1.587     0.113    [-0.278 , 0.029]
##         Robust         -         -    -1.606     0.108    [-0.332 , 0.033]
## ================================================================================
## Point 16 of 264
## Minimum treated distance is  2.056352
## There are 139 Tr observations with positive weights out of 4477 Tr obs
```

```
## Minimum control distance is  1.289756
## There are 194 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            730         390
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 38.542      38.542
## BW bias (b)                 75.669      75.669
## rho (h/b)                    0.509       0.509
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            730         390
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 38.542      38.542
## BW bias (b)                 75.669      75.669
## rho (h/b)                    0.509       0.509
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.132     0.079    -1.666     0.096    [-0.287 , 0.023]
##         Robust         -         -    -1.697     0.090    [-0.340 , 0.024]
## ===============================================================================
## Point 17 of 264
## Minimum treated distance is  1.281881
## There are 172 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.247668
## There are 152 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
```

```
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             753         466
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  40.046      40.046
## BW bias (b)                  77.193      77.193
## rho (h/b)                     0.519       0.519
## Unique Obs.                    2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             753         466
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  40.046      40.046
## BW bias (b)                  77.193      77.193
## rho (h/b)                     0.519       0.519
## Unique Obs.                    2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.144     0.086    -1.672     0.094    [-0.312 , 0.025]
##         Robust         -         -    -1.656     0.098    [-0.372 , 0.031]
## ===============================================================================
## Point 18 of 264
## Minimum treated distance is  1.705442
## There are 170 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.380553
## There are 157 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             759         468
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  40.181      40.181
## BW bias (b)                  77.128      77.128
## rho (h/b)                     0.521       0.521
## Unique Obs.                    2720        3447
##
## Call: rdrobust
```

```
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            759         468
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 40.181      40.181
## BW bias (b)                 77.128      77.128
## rho (h/b)                    0.521       0.521
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.144     0.083    -1.737     0.082    [-0.307 , 0.019]
##         Robust         -         -    -1.691     0.091    [-0.365 , 0.027]
## ===============================================================================
## Point 19 of 264
## Minimum treated distance is  1.644788
## There are 142 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.72446
## There are 191 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            792         417
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 40.000      40.000
## BW bias (b)                 77.221      77.221
## rho (h/b)                    0.518       0.518
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            792         417
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
```

```
## BW est. (h)                 40.000      40.000
## BW bias (b)                 77.221      77.221
## rho (h/b)                    0.518       0.518
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.128     0.077    -1.666     0.096    [-0.279 , 0.023]
##         Robust         -         -    -1.681     0.093    [-0.331 , 0.025]
## ===============================================================================
## Point 20 of 264
## Minimum treated distance is  0.6031693
## There are 153 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.592442
## There are 182 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            742         415
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 38.980      38.980
## BW bias (b)                 77.182      77.182
## rho (h/b)                    0.505       0.505
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            742         415
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 38.980      38.980
## BW bias (b)                 77.182      77.182
## rho (h/b)                    0.505       0.505
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.134     0.078    -1.725     0.085    [-0.286 , 0.018]
##         Robust         -         -    -1.742     0.081    [-0.338 , 0.020]
```

```
## ===============================================================================
## Point 21 of 264
## Minimum treated distance is  1.198496
## There are 156 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.783826
## There are 170 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            683         415
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 37.833      37.833
## BW bias (b)                 76.545      76.545
## rho (h/b)                    0.494       0.494
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            683         415
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 37.833      37.833
## BW bias (b)                 76.545      76.545
## rho (h/b)                    0.494       0.494
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.139     0.083    -1.671     0.095    [-0.302 , 0.024]
##         Robust         -         -    -1.708     0.088    [-0.357 , 0.025]
## ===============================================================================
## Point 22 of 264
## Minimum treated distance is  0.8187607
## There are 140 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.375881
## There are 202 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
```

```
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           927         463
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                44.067      44.067
## BW bias (b)                79.041      79.041
## rho (h/b)                   0.558       0.558
## Unique Obs.                  2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           927         463
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                44.067      44.067
## BW bias (b)                79.041      79.041
## rho (h/b)                   0.558       0.558
## Unique Obs.                  2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.073     0.063    -1.156     0.248    [-0.198 , 0.051]
##         Robust         -         -    -1.151     0.250    [-0.240 , 0.062]
## ===============================================================================
## Point 23 of 264
## Minimum treated distance is  1.096964
## There are 145 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.322077
## There are 201 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           959         471
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                44.811      44.811
## BW bias (b)                79.352      79.352
```

```
## rho (h/b)                    0.565       0.565
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            959         471
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.811      44.811
## BW bias (b)                 79.352      79.352
## rho (h/b)                    0.565       0.565
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.063     0.064    -0.985     0.325    [-0.190 , 0.063]
##         Robust         -         -    -0.992     0.321    [-0.232 , 0.076]
## ===============================================================================
## Point 24 of 264
## Minimum treated distance is  0.6919152
## There are 159 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.9057245
## There are 165 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            709         436
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 38.587      38.587
## BW bias (b)                 76.567      76.567
## rho (h/b)                    0.504       0.504
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
```

```
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             709         436
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  38.587      38.587
## BW bias (b)                  76.567      76.567
## rho (h/b)                     0.504       0.504
## Unique Obs.                    2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.145     0.085    -1.695     0.090    [-0.312 , 0.023]
##         Robust         -         -    -1.705     0.088    [-0.369 , 0.026]
## ===============================================================================
## Point 25 of 264
## Minimum treated distance is  1.01387
## There are 172 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.019122
## There are 154 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             718         453
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  39.054      39.054
## BW bias (b)                  77.226      77.226
## rho (h/b)                     0.506       0.506
## Unique Obs.                    2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             718         453
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  39.054      39.054
## BW bias (b)                  77.226      77.226
## rho (h/b)                     0.506       0.506
## Unique Obs.                    2720        3447
##
## ===============================================================================
```

```
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.142     0.085    -1.656     0.098    [-0.309 , 0.026]
##         Robust         -         -    -1.665     0.096    [-0.367 , 0.030]
## ================================================================================
## Point 26 of 264
## Minimum treated distance is  2.495666
## There are 165 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.027489
## There are 159 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.           1354         730
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 57.258      57.258
## BW bias (b)                 94.412      94.412
## rho (h/b)                    0.606       0.606
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.           1354         730
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 57.258      57.258
## BW bias (b)                 94.412      94.412
## rho (h/b)                    0.606       0.606
## Unique Obs.                   2720        3447
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.144     0.062    -2.340     0.019    [-0.265 , -0.023]
##         Robust         -         -    -1.847     0.065    [-0.299 , 0.009]
## ================================================================================
## Point 27 of 264
## Minimum treated distance is  1.271486
## There are 174 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.04481
## There are 161 Co observations with positive weights out of 2995 Co obs
```

```
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.           1328         698
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 55.968      55.968
## BW bias (b)                 92.464      92.464
## rho (h/b)                    0.605       0.605
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.           1328         698
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 55.968      55.968
## BW bias (b)                 92.464      92.464
## rho (h/b)                    0.605       0.605
## Unique Obs.                   2720        3447
##
## ============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ============================================================================
##   Conventional    -0.135     0.059    -2.304     0.021    [-0.251 , -0.020]
##         Robust         -         -    -1.819     0.069    [-0.283 , 0.011]
## ============================================================================
## Point 28 of 264
## Minimum treated distance is  1.218478
## There are 169 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.493141
## There are 162 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            894         514
```

```
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                44.025      44.025
## BW bias (b)                79.241      79.241
## rho (h/b)                   0.556       0.556
## Unique Obs.                  2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            894         514
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                44.025      44.025
## BW bias (b)                79.241      79.241
## rho (h/b)                   0.556       0.556
## Unique Obs.                  2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.138     0.077    -1.789     0.074    [-0.289 , 0.013]
##         Robust         -         -    -1.644     0.100    [-0.344 , 0.030]
## ===============================================================================
## Point 29 of 264
## Minimum treated distance is  1.281898
## There are 175 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.692396
## There are 158 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            753         476
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                40.190      40.190
## BW bias (b)                76.622      76.622
## rho (h/b)                   0.525       0.525
## Unique Obs.                  2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
```

```
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           753         476
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                40.190      40.190
## BW bias (b)                76.622      76.622
## rho (h/b)                   0.525       0.525
## Unique Obs.                 2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.142     0.083    -1.721     0.085    [-0.304 , 0.020]
##         Robust         -         -    -1.675     0.094    [-0.361 , 0.028]
## ===============================================================================
## Point 30 of 264
## Minimum treated distance is  2.597422
## There are 164 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.22528
## There are 165 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.          1401         743
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                58.517      58.517
## BW bias (b)                97.136      97.136
## rho (h/b)                   0.602       0.602
## Unique Obs.                 2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.          1401         743
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                58.517      58.517
## BW bias (b)                97.136      97.136
```

```
## rho (h/b)                    0.602       0.602
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.139     0.056    -2.469     0.014    [-0.249 , -0.029]
##         Robust         -         -    -1.967     0.049    [-0.279 , -0.001]
## ===============================================================================
## Point 31 of 264
## Minimum treated distance is  1.4144
## There are 145 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.237712
## There are 199 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            958         474
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.897      44.897
## BW bias (b)                 79.402      79.402
## rho (h/b)                    0.565       0.565
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            958         474
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.897      44.897
## BW bias (b)                 79.402      79.402
## rho (h/b)                    0.565       0.565
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.060     0.064    -0.932     0.351    [-0.185 , 0.066]
##         Robust         -         -    -0.944     0.345    [-0.227 , 0.079]
## ===============================================================================
## Point 32 of 264
```

```
## Minimum treated distance is  1.922785
## There are 148 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.497218
## There are 198 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            918         465
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 43.751      43.751
## BW bias (b)                 79.008      79.008
## rho (h/b)                    0.554       0.554
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            918         465
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 43.751      43.751
## BW bias (b)                 79.008      79.008
## rho (h/b)                    0.554       0.554
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.060     0.062    -0.967     0.333    [-0.180 , 0.061]
##         Robust         -         -    -0.988     0.323    [-0.220 , 0.073]
## ===============================================================================
## Point 33 of 264
## Minimum treated distance is  0.9756534
## There are 153 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.544949
## There are 196 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
```

```
## VCE method                      NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           911         473
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                43.712      43.712
## BW bias (b)                78.512      78.512
## rho (h/b)                   0.557       0.557
## Unique Obs.                 2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                      NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           911         473
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                43.712      43.712
## BW bias (b)                78.512      78.512
## rho (h/b)                   0.557       0.557
## Unique Obs.                 2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.046     0.063    -0.731     0.464    [-0.170 , 0.077]
##         Robust         -         -    -0.791     0.429    [-0.211 , 0.090]
## ===============================================================================
## Point 34 of 264
## Minimum treated distance is  1.282231
## There are 96 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  3.27492
## There are 57 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                      NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           426         733
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                50.858      50.858
## BW bias (b)                82.296      82.296
## rho (h/b)                   0.618       0.618
## Unique Obs.                 2720        3447
```

```
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            426         733
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 50.858      50.858
## BW bias (b)                 82.296      82.296
## rho (h/b)                    0.618       0.618
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.011     0.118     0.091     0.928    [-0.221 , 0.243]
##         Robust         -         -     0.142     0.887    [-0.274 , 0.317]
## ===============================================================================
## Point 35 of 264
## Minimum treated distance is  2.086965
## There are 104 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  3.449823
## There are 55 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            280         478
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 42.645      42.645
## BW bias (b)                 69.953      69.953
## rho (h/b)                    0.610       0.610
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            280         478
```

```
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                42.645      42.645
## BW bias (b)                69.953      69.953
## rho (h/b)                   0.610       0.610
## Unique Obs.                  2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.043     0.127    -0.335     0.738    [-0.293 , 0.207]
##         Robust         -         -    -0.343     0.732    [-0.365 , 0.257]
## ===============================================================================
## Point 36 of 264
## Minimum treated distance is  0.7147177
## There are 113 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.748951
## There are 53 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           234         453
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                40.014      40.014
## BW bias (b)                66.357      66.357
## rho (h/b)                   0.603       0.603
## Unique Obs.                  2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           234         453
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                40.014      40.014
## BW bias (b)                66.357      66.357
## rho (h/b)                   0.603       0.603
## Unique Obs.                  2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
```

```
##   Conventional    -0.080     0.140    -0.574     0.566    [-0.354 , 0.194]
##         Robust         -         -    -0.584     0.559    [-0.438 , 0.237]
## ================================================================================
## Point 37 of 264
## Minimum treated distance is  1.190631
## There are 116 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.72241
## There are 46 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            243         511
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.189      41.189
## BW bias (b)                 67.945      67.945
## rho (h/b)                    0.606       0.606
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            243         511
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.189      41.189
## BW bias (b)                 67.945      67.945
## rho (h/b)                    0.606       0.606
## Unique Obs.                   2720        3447
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.084     0.135    -0.623     0.534    [-0.348 , 0.180]
##         Robust         -         -    -0.613     0.540    [-0.429 , 0.224]
## ================================================================================
## Point 38 of 264
## Minimum treated distance is  1.060319
## There are 153 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.670248
## There are 197 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
```

```
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            928         482
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.258      44.258
## BW bias (b)                 78.974      78.974
## rho (h/b)                    0.560       0.560
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            928         482
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.258      44.258
## BW bias (b)                 78.974      78.974
## rho (h/b)                    0.560       0.560
## Unique Obs.                   2720        3447
##
## ============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ============================================================================
##   Conventional    -0.044     0.062    -0.715     0.474    [-0.166 , 0.077]
##         Robust         -         -    -0.769     0.442    [-0.206 , 0.090]
## ============================================================================
## Point 39 of 264
## Minimum treated distance is  1.447996
## There are 166 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.358257
## There are 190 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            877         477
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
```

```
## BW est. (h)                 42.789      42.789
## BW bias (b)                 77.942      77.942
## rho (h/b)                    0.549       0.549
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            877         477
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 42.789      42.789
## BW bias (b)                 77.942      77.942
## rho (h/b)                    0.549       0.549
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.035     0.060    -0.584     0.559    [-0.153 , 0.083]
##         Robust         -         -    -0.670     0.503    [-0.192 , 0.094]
## ===============================================================================
## Point 40 of 264
## Minimum treated distance is  0.814713
## There are 179 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.71441
## There are 180 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            908         504
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.040      44.040
## BW bias (b)                 78.405      78.405
## rho (h/b)                    0.562       0.562
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
```

```
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             908         504
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  44.040      44.040
## BW bias (b)                  78.405      78.405
## rho (h/b)                     0.562       0.562
## Unique Obs.                    2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.012     0.058    -0.214     0.831    [-0.126 , 0.102]
##         Robust         -         -    -0.319     0.750    [-0.162 , 0.117]
## ===============================================================================
## Point 41 of 264
## Minimum treated distance is  1.063697
## There are 189 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.693204
## There are 171 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             922         523
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  44.595      44.595
## BW bias (b)                  78.113      78.113
## rho (h/b)                     0.571       0.571
## Unique Obs.                    2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             922         523
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  44.595      44.595
## BW bias (b)                  78.113      78.113
## rho (h/b)                     0.571       0.571
## Unique Obs.                    2720        3447
```

```
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.004     0.062    -0.068     0.946    [-0.126 , 0.118]
##         Robust         -         -    -0.183     0.855    [-0.165 , 0.137]
## ===============================================================================
## Point 42 of 264
## Minimum treated distance is  1.734064
## There are 184 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.4779079
## There are 142 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.           1366         815
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 58.256      58.256
## BW bias (b)                 94.248      94.248
## rho (h/b)                    0.618       0.618
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.           1366         815
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 58.256      58.256
## BW bias (b)                 94.248      94.248
## rho (h/b)                    0.618       0.618
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.150     0.059    -2.532     0.011    [-0.266 , -0.034]
##         Robust         -         -    -2.034     0.042    [-0.305 , -0.006]
## ===============================================================================
## Point 43 of 264
## Minimum treated distance is  0.4383579
## There are 195 Tr observations with positive weights out of 4477 Tr obs
```

```
## Minimum control distance is  1.617798
## There are 168 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            960         551
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 46.046      46.046
## BW bias (b)                 79.446      79.446
## rho (h/b)                    0.580       0.580
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            960         551
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 46.046      46.046
## BW bias (b)                 79.446      79.446
## rho (h/b)                    0.580       0.580
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.010     0.060     0.159     0.874    [-0.108 , 0.128]
##         Robust         -         -     0.048     0.962    [-0.143 , 0.150]
## ===============================================================================
## Point 44 of 264
## Minimum treated distance is  1.20754
## There are 199 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.5515604
## There are 131 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
```

```
## Number of Obs.                 2995        4477
## Eff. Number of Obs.            1189         761
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  53.998      53.998
## BW bias (b)                  89.656      89.656
## rho (h/b)                     0.602       0.602
## Unique Obs.                    2720        3447
##
## Call: rdrobust
##
## Number of Obs.                  7472
## BW type                        mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.            1189         761
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  53.998      53.998
## BW bias (b)                  89.656      89.656
## rho (h/b)                     0.602       0.602
## Unique Obs.                    2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.166     0.061    -2.719     0.007    [-0.285 , -0.046]
##         Robust         -         -    -2.286     0.022    [-0.329 , -0.025]
## ===============================================================================
## Point 45 of 264
## Minimum treated distance is  1.139919
## There are 191 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.110981
## There are 137 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                  7472
## BW type                        mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.            1313         975
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  59.129      59.129
## BW bias (b)                  97.687      97.687
## rho (h/b)                     0.605       0.605
## Unique Obs.                    2720        3447
##
## Call: rdrobust
```

```
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.           1313         975
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 59.129      59.129
## BW bias (b)                 97.687      97.687
## rho (h/b)                    0.605       0.605
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.195     0.059    -3.290     0.001    [-0.311 , -0.079]
##         Robust          -         -    -2.804     0.005    [-0.361 , -0.064]
## ===============================================================================
## Point 46 of 264
## Minimum treated distance is  1.254533
## There are 193 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.9285256
## There are 135 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.           1313         985
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 59.266      59.266
## BW bias (b)                 98.639      98.639
## rho (h/b)                    0.601       0.601
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.           1313         985
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
```

```
## BW est. (h)                 59.266      59.266
## BW bias (b)                 98.639      98.639
## rho (h/b)                    0.601       0.601
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.197     0.059    -3.333     0.001    [-0.312 , -0.081]
##         Robust         -         -    -2.868     0.004    [-0.361 , -0.068]
## ===============================================================================
## Point 47 of 264
## Minimum treated distance is  1.531704
## There are 193 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.6862231
## There are 137 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.           1280         727
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 55.048      55.048
## BW bias (b)                 90.930      90.930
## rho (h/b)                    0.605       0.605
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.           1280         727
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 55.048      55.048
## BW bias (b)                 90.930      90.930
## rho (h/b)                    0.605       0.605
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.140     0.061    -2.284     0.022    [-0.261 , -0.020]
##         Robust         -         -    -1.894     0.058    [-0.304 , 0.005]
```

```
## ===============================================================================
## Point 48 of 264
## Minimum treated distance is  1.597356
## There are 205 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.6473287
## There are 135 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.           1000         607
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 47.912      47.912
## BW bias (b)                 84.587      84.587
## rho (h/b)                    0.566       0.566
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.           1000         607
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 47.912      47.912
## BW bias (b)                 84.587      84.587
## rho (h/b)                    0.566       0.566
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.142     0.071    -1.995     0.046    [-0.282 , -0.003]
##         Robust         -         -    -1.831     0.067    [-0.336 , 0.011]
## ===============================================================================
## Point 49 of 264
## Minimum treated distance is  0.8701075
## There are 209 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.8318914
## There are 132 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
```

```
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.          1074         647
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                50.018      50.018
## BW bias (b)                86.614      86.614
## rho (h/b)                   0.577       0.577
## Unique Obs.                 2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.          1074         647
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                50.018      50.018
## BW bias (b)                86.614      86.614
## rho (h/b)                   0.577       0.577
## Unique Obs.                 2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.146     0.067    -2.177     0.029    [-0.277 , -0.015]
##         Robust         -         -    -1.951     0.051    [-0.328 , 0.001]
## ===============================================================================
## Point 50 of 264
## Minimum treated distance is  1.003539
## There are 205 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.156319
## There are 122 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.          1207         760
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                54.074      54.074
## BW bias (b)                89.457      89.457
```

```
## rho (h/b)                    0.604       0.604
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.           1207         760
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 54.074      54.074
## BW bias (b)                 89.457      89.457
## rho (h/b)                    0.604       0.604
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.162     0.063    -2.565     0.010    [-0.286 , -0.038]
##         Robust         -         -    -2.164     0.030    [-0.334 , -0.016]
## ===============================================================================
## Point 51 of 264
## Minimum treated distance is  1.75096
## There are 195 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.252839
## There are 137 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.           1420         883
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 60.453      60.453
## BW bias (b)                 97.243      97.243
## rho (h/b)                    0.622       0.622
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
```

```
## Number of Obs.                 2995        4477
## Eff. Number of Obs.            1420         883
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  60.453      60.453
## BW bias (b)                  97.243      97.243
## rho (h/b)                     0.622       0.622
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.149     0.058    -2.554     0.011    [-0.263 , -0.035]
##         Robust         -         -    -2.060     0.039    [-0.305 , -0.008]
## ===============================================================================
## Point 52 of 264
## Minimum treated distance is  0.9707308
## There are 213 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.8390611
## There are 124 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.            1357         866
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  58.379      58.379
## BW bias (b)                  95.493      95.493
## rho (h/b)                     0.611       0.611
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.            1357         866
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  58.379      58.379
## BW bias (b)                  95.493      95.493
## rho (h/b)                     0.611       0.611
## Unique Obs.                   2720        3447
##
## ===============================================================================
```

```
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.152     0.061    -2.497     0.013    [-0.271 , -0.033]
##         Robust         -         -    -2.068     0.039    [-0.318 , -0.009]
## ================================================================================
## Point 53 of 264
## Minimum treated distance is  1.044114
## There are 216 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.41715
## There are 118 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.           1161         736
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 52.719      52.719
## BW bias (b)                 89.000      89.000
## rho (h/b)                    0.592       0.592
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.           1161         736
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 52.719      52.719
## BW bias (b)                 89.000      89.000
## rho (h/b)                    0.592       0.592
## Unique Obs.                   2720        3447
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.159     0.063    -2.517     0.012    [-0.283 , -0.035]
##         Robust         -         -    -2.175     0.030    [-0.331 , -0.017]
## ================================================================================
## Point 54 of 264
## Minimum treated distance is  1.315035
## There are 221 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.09789
## There are 117 Co observations with positive weights out of 2995 Co obs
```

```
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.           1321         856
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 57.255      57.255
## BW bias (b)                 95.836      95.836
## rho (h/b)                    0.597       0.597
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.           1321         856
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 57.255      57.255
## BW bias (b)                 95.836      95.836
## rho (h/b)                    0.597       0.597
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.159     0.057    -2.807     0.005    [-0.270 , -0.048]
##         Robust         -         -    -2.373     0.018    [-0.315 , -0.030]
## ===============================================================================
## Point 55 of 264
## Minimum treated distance is  0.6149128
## There are 176 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.119833
## There are 147 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.           1089         725
```

```
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                52.094      52.094
## BW bias (b)                85.943      85.943
## rho (h/b)                   0.606       0.606
## Unique Obs.                  2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.           1089         725
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                52.094      52.094
## BW bias (b)                85.943      85.943
## rho (h/b)                   0.606       0.606
## Unique Obs.                  2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.173     0.068    -2.556     0.011    [-0.305 , -0.040]
##         Robust         -         -    -2.036     0.042    [-0.346 , -0.007]
## ===============================================================================
## Point 56 of 264
## Minimum treated distance is  1.138435
## There are 161 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.482885
## There are 152 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.           828         614
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                45.875      45.875
## BW bias (b)                79.044      79.044
## rho (h/b)                   0.580       0.580
## Unique Obs.                  2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
```

```
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           828         614
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                45.875      45.875
## BW bias (b)                79.044      79.044
## rho (h/b)                   0.580       0.580
## Unique Obs.                 2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.151     0.080    -1.877     0.060    [-0.308 , 0.007]
##         Robust         -         -    -1.343     0.179    [-0.331 , 0.062]
## ===============================================================================
## Point 57 of 264
## Minimum treated distance is  0.9832939
## There are 202 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.7496885
## There are 162 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           902         537
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                44.384      44.384
## BW bias (b)                77.340      77.340
## rho (h/b)                   0.574       0.574
## Unique Obs.                 2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           902         537
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                44.384      44.384
## BW bias (b)                77.340      77.340
```

```
## rho (h/b)                    0.574       0.574
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.012     0.060     0.196     0.845    [-0.106 , 0.129]
##         Robust         -         -     0.053     0.958    [-0.141 , 0.149]
## ===============================================================================
## Point 58 of 264
## Minimum treated distance is  0.6687682
## There are 205 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.5531818
## There are 158 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            943         565
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.791      45.791
## BW bias (b)                 78.662      78.662
## rho (h/b)                    0.582       0.582
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            943         565
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.791      45.791
## BW bias (b)                 78.662      78.662
## rho (h/b)                    0.582       0.582
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.020     0.059     0.341     0.733    [-0.096 , 0.137]
##         Robust         -         -     0.211     0.833    [-0.129 , 0.160]
## ===============================================================================
## Point 59 of 264
```

```
## Minimum treated distance is  0.3836083
## There are 211 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.7231318
## There are 153 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            930         576
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.642      45.642
## BW bias (b)                 78.339      78.339
## rho (h/b)                    0.583       0.583
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            930         576
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.642      45.642
## BW bias (b)                 78.339      78.339
## rho (h/b)                    0.583       0.583
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.023     0.059     0.392     0.695    [-0.093 , 0.139]
##         Robust         -         -     0.252     0.801    [-0.125 , 0.162]
## ===============================================================================
## Point 60 of 264
## Minimum treated distance is  1.363819
## There are 124 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.221377
## There are 45 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
```

```
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             228         518
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  40.715      40.715
## BW bias (b)                  67.878      67.878
## rho (h/b)                     0.600       0.600
## Unique Obs.                    2720        3447
##
## Call: rdrobust
##
## Number of Obs.                  7472
## BW type                        mserd
## Kernel                    Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             228         518
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  40.715      40.715
## BW bias (b)                  67.878      67.878
## rho (h/b)                     0.600       0.600
## Unique Obs.                    2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.093     0.135    -0.690     0.490    [-0.358 , 0.172]
##         Robust         -         -    -0.671     0.502    [-0.439 , 0.215]
## ===============================================================================
## Point 61 of 264
## Minimum treated distance is  1.060123
## There are 123 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.219063
## There are 45 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                  7472
## BW type                        mserd
## Kernel                    Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             217         508
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  39.735      39.735
## BW bias (b)                  66.692      66.692
## rho (h/b)                     0.596       0.596
## Unique Obs.                    2720        3447
```

```
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            217         508
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 39.735      39.735
## BW bias (b)                 66.692      66.692
## rho (h/b)                    0.596       0.596
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.101     0.139    -0.722     0.470    [-0.374 , 0.172]
##         Robust         -         -    -0.711     0.477    [-0.457 , 0.214]
## ===============================================================================
## Point 62 of 264
## Minimum treated distance is  1.617981
## There are 124 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.285583
## There are 47 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            206         471
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 38.246      38.246
## BW bias (b)                 64.872      64.872
## rho (h/b)                    0.590       0.590
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            206         471
```

```
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                38.246      38.246
## BW bias (b)                64.872      64.872
## rho (h/b)                   0.590       0.590
## Unique Obs.                  2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.106     0.136    -0.785     0.432    [-0.372 , 0.159]
##         Robust         -         -    -0.787     0.431    [-0.453 , 0.193]
## ===============================================================================
## Point 63 of 264
## Minimum treated distance is  1.084973
## There are 160 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.072145
## There are 151 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           755         590
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                44.084      44.084
## BW bias (b)                77.055      77.055
## rho (h/b)                   0.572       0.572
## Unique Obs.                  2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           755         590
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                44.084      44.084
## BW bias (b)                77.055      77.055
## rho (h/b)                   0.572       0.572
## Unique Obs.                  2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
```

```
##   Conventional    -0.147     0.083    -1.765     0.078    [-0.309 , 0.016]
##         Robust         -         -    -1.225     0.221    [-0.327 , 0.076]
## ================================================================================
## Point 64 of 264
## Minimum treated distance is  1.397734
## There are 157 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.4993562
## There are 150 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            601         535
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 39.901      39.901
## BW bias (b)                 73.756      73.756
## rho (h/b)                    0.541       0.541
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            601         535
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 39.901      39.901
## BW bias (b)                 73.756      73.756
## rho (h/b)                    0.541       0.541
## Unique Obs.                   2720        3447
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.132     0.083    -1.582     0.114    [-0.295 , 0.031]
##         Robust         -         -    -1.058     0.290    [-0.301 , 0.090]
## ================================================================================
## Point 65 of 264
## Minimum treated distance is  1.362217
## There are 173 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.316018
## There are 200 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
```

```
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            826         543
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 43.748      43.748
## BW bias (b)                 77.697      77.697
## rho (h/b)                    0.563       0.563
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            826         543
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 43.748      43.748
## BW bias (b)                 77.697      77.697
## rho (h/b)                    0.563       0.563
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.039     0.060     0.655     0.512    [-0.079 , 0.158]
##         Robust         -         -     0.500     0.617    [-0.109 , 0.184]
## ===============================================================================
## Point 66 of 264
## Minimum treated distance is  0.9120394
## There are 166 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.296591
## There are 209 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            826         539
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
```

```
## BW est. (h)                 43.856      43.856
## BW bias (b)                 77.868      77.868
## rho (h/b)                    0.563       0.563
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            826         539
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 43.856      43.856
## BW bias (b)                 77.868      77.868
## rho (h/b)                    0.563       0.563
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.043     0.061     0.708     0.479    [-0.077 , 0.163]
##         Robust         -         -     0.552     0.581    [-0.107 , 0.191]
## ===============================================================================
## Point 67 of 264
## Minimum treated distance is  3.425517
## There are 132 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.321044
## There are 49 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            172         394
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 34.872      34.872
## BW bias (b)                 59.320      59.320
## rho (h/b)                    0.588       0.588
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
```

```
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             172         394
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  34.872      34.872
## BW bias (b)                  59.320      59.320
## rho (h/b)                     0.588       0.588
## Unique Obs.                    2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.123     0.150    -0.823     0.411    [-0.417 , 0.170]
##         Robust         -         -    -0.846     0.398    [-0.507 , 0.201]
## ===============================================================================
## Point 68 of 264
## Minimum treated distance is  1.225278
## There are 212 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.9143162
## There are 123 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.            1153         785
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  53.425      53.425
## BW bias (b)                  89.647      89.647
## rho (h/b)                     0.596       0.596
## Unique Obs.                    2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.            1153         785
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  53.425      53.425
## BW bias (b)                  89.647      89.647
## rho (h/b)                     0.596       0.596
## Unique Obs.                    2720        3447
```

```
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.173     0.065    -2.640     0.008    [-0.301 , -0.045]
##         Robust         -         -    -2.267     0.023    [-0.353 , -0.026]
## ===============================================================================
## Point 69 of 264
## Minimum treated distance is  1.369606
## There are 203 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.5048358
## There are 126 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.           1242         911
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 56.783      56.783
## BW bias (b)                 96.125      96.125
## rho (h/b)                    0.591       0.591
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.           1242         911
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 56.783      56.783
## BW bias (b)                 96.125      96.125
## rho (h/b)                    0.591       0.591
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.192     0.059    -3.252     0.001    [-0.308 , -0.076]
##         Robust         -         -    -2.839     0.005    [-0.358 , -0.066]
## ===============================================================================
## Point 70 of 264
## Minimum treated distance is  1.630053
## There are 215 Tr observations with positive weights out of 4477 Tr obs
```

```
## Minimum control distance is  0.5661937
## There are 123 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.           1156         804
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 53.710      53.710
## BW bias (b)                 90.902      90.902
## rho (h/b)                    0.591       0.591
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.           1156         804
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 53.710      53.710
## BW bias (b)                 90.902      90.902
## rho (h/b)                    0.591       0.591
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.177     0.063    -2.803     0.005    [-0.300 , -0.053]
##         Robust         -         -    -2.441     0.015    [-0.351 , -0.038]
## ===============================================================================
## Point 71 of 264
## Minimum treated distance is  0.3976312
## There are 213 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.082257
## There are 147 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
```

```
## Number of Obs.                2995        4477
## Eff. Number of Obs.            929         588
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.654      45.654
## BW bias (b)                 78.597      78.597
## rho (h/b)                    0.581       0.581
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            929         588
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.654      45.654
## BW bias (b)                 78.597      78.597
## rho (h/b)                    0.581       0.581
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.025     0.059     0.431     0.666    [-0.090 , 0.141]
##         Robust         -         -     0.293     0.769    [-0.123 , 0.166]
## ===============================================================================
## Point 72 of 264
## Minimum treated distance is  0.5294114
## There are 216 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.338504
## There are 144 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            931         594
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.758      45.758
## BW bias (b)                 78.589      78.589
## rho (h/b)                    0.582       0.582
## Unique Obs.                   2720        3447
##
## Call: rdrobust
```

```
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            931         594
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.758      45.758
## BW bias (b)                 78.589      78.589
## rho (h/b)                    0.582       0.582
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.027     0.060     0.446     0.656    [-0.091 , 0.145]
##         Robust         -         -     0.306     0.760    [-0.124 , 0.170]
## ===============================================================================
## Point 73 of 264
## Minimum treated distance is  0.3028246
## There are 218 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.858983
## There are 140 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            889         562
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.161      44.161
## BW bias (b)                 77.227      77.227
## rho (h/b)                    0.572       0.572
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            889         562
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
```

```
## BW est. (h)                 44.161      44.161
## BW bias (b)                 77.227      77.227
## rho (h/b)                    0.572       0.572
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.019     0.060     0.323     0.747    [-0.098 , 0.136]
##         Robust         -         -     0.169     0.866    [-0.132 , 0.157]
## ===============================================================================
## Point 74 of 264
## Minimum treated distance is  0.7060562
## There are 226 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.105434
## There are 136 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            884         573
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 43.974      43.974
## BW bias (b)                 77.002      77.002
## rho (h/b)                    0.571       0.571
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            884         573
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 43.974      43.974
## BW bias (b)                 77.002      77.002
## rho (h/b)                    0.571       0.571
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.019     0.064     0.294     0.769    [-0.107 , 0.145]
##         Robust         -         -     0.146     0.884    [-0.145 , 0.169]
```

```
## ===============================================================================
## Point 75 of 264
## Minimum treated distance is  0.3894148
## There are 234 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.807434
## There are 121 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            847         579
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 43.165      43.165
## BW bias (b)                 76.480      76.480
## rho (h/b)                    0.564       0.564
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            847         579
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 43.165      43.165
## BW bias (b)                 76.480      76.480
## rho (h/b)                    0.564       0.564
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.017     0.068     0.247     0.805    [-0.116 , 0.149]
##         Robust         -         -     0.106     0.916    [-0.156 , 0.174]
## ===============================================================================
## Point 76 of 264
## Minimum treated distance is  0.3378094
## There are 249 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.666213
## There are 113 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
```

```
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           827         579
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                42.558      42.558
## BW bias (b)                76.859      76.859
## rho (h/b)                   0.554       0.554
## Unique Obs.                 2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           827         579
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                42.558      42.558
## BW bias (b)                76.859      76.859
## rho (h/b)                   0.554       0.554
## Unique Obs.                 2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.008     0.072     0.115     0.909    [-0.133 , 0.150]
##         Robust         -         -    -0.009     0.993    [-0.177 , 0.175]
## ===============================================================================
## Point 77 of 264
## Minimum treated distance is  0.8075819
## There are 254 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.490987
## There are 106 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           802         592
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                42.346      42.346
## BW bias (b)                75.133      75.133
```

```
## rho (h/b)                    0.564       0.564
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            802         592
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 42.346      42.346
## BW bias (b)                 75.133      75.133
## rho (h/b)                    0.564       0.564
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.033     0.070     0.476     0.634    [-0.104 , 0.171]
##         Robust         -         -     0.342     0.732    [-0.142 , 0.201]
## ===============================================================================
## Point 78 of 264
## Minimum treated distance is  1.721819
## There are 157 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.078005
## There are 151 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            552         536
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 39.246      39.246
## BW bias (b)                 72.707      72.707
## rho (h/b)                    0.540       0.540
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
```

```
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             552         536
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  39.246      39.246
## BW bias (b)                  72.707      72.707
## rho (h/b)                     0.540       0.540
## Unique Obs.                    2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.132     0.091    -1.456     0.145    [-0.309 , 0.046]
##         Robust         -         -    -0.948     0.343    [-0.314 , 0.109]
## ===============================================================================
## Point 79 of 264
## Minimum treated distance is  1.538504
## There are 157 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.475312
## There are 143 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             489         514
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  37.448      37.448
## BW bias (b)                  70.762      70.762
## rho (h/b)                     0.529       0.529
## Unique Obs.                    2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             489         514
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  37.448      37.448
## BW bias (b)                  70.762      70.762
## rho (h/b)                     0.529       0.529
## Unique Obs.                    2720        3447
##
## ===============================================================================
```

```
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.131     0.094    -1.401     0.161    [-0.314 , 0.052]
##         Robust         -         -    -0.901     0.368    [-0.315 , 0.117]
## ================================================================================
## Point 80 of 264
## Minimum treated distance is  1.526766
## There are 184 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.3225
## There are 186 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            843         561
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.255      44.255
## BW bias (b)                 77.822      77.822
## rho (h/b)                    0.569       0.569
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            843         561
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.255      44.255
## BW bias (b)                 77.822      77.822
## rho (h/b)                    0.569       0.569
## Unique Obs.                   2720        3447
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional     0.045     0.059     0.766     0.444    [-0.070 , 0.160]
##         Robust         -         -     0.605     0.545    [-0.098 , 0.186]
## ================================================================================
## Point 81 of 264
## Minimum treated distance is  1.345944
## There are 155 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.138813
## There are 206 Co observations with positive weights out of 2995 Co obs
```

```
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            814         556
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.140      44.140
## BW bias (b)                 78.059      78.059
## rho (h/b)                    0.565       0.565
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            814         556
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.140      44.140
## BW bias (b)                 78.059      78.059
## rho (h/b)                    0.565       0.565
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.060     0.061     0.988     0.323    [-0.059 , 0.180]
##         Robust         -         -     0.822     0.411    [-0.087 , 0.212]
## ===============================================================================
## Point 82 of 264
## Minimum treated distance is  0.5005312
## There are 167 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.9445935
## There are 207 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            822         546
```

```
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                44.035      44.035
## BW bias (b)                77.763      77.763
## rho (h/b)                   0.566       0.566
## Unique Obs.                  2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            822         546
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                44.035      44.035
## BW bias (b)                77.763      77.763
## rho (h/b)                   0.566       0.566
## Unique Obs.                  2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.052     0.062     0.830     0.406    [-0.070 , 0.173]
##         Robust         -         -     0.666     0.506    [-0.100 , 0.203]
## ===============================================================================
## Point 83 of 264
## Minimum treated distance is  1.98599
## There are 136 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.918044
## There are 68 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            254         477
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                37.847      37.847
## BW bias (b)                64.131      64.131
## rho (h/b)                   0.590       0.590
## Unique Obs.                  2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
```

```
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           254         477
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                37.847      37.847
## BW bias (b)                64.131      64.131
## rho (h/b)                   0.590       0.590
## Unique Obs.                  2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.086     0.132    -0.654     0.513    [-0.344 , 0.172]
##         Robust         -         -    -0.640     0.522    [-0.424 , 0.215]
## ===============================================================================
## Point 84 of 264
## Minimum treated distance is  1.555524
## There are 137 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.952762
## There are 74 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           278         521
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                39.229      39.229
## BW bias (b)                64.923      64.923
## rho (h/b)                   0.604       0.604
## Unique Obs.                  2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           278         521
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                39.229      39.229
## BW bias (b)                64.923      64.923
```

```
## rho (h/b)                    0.604       0.604
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.071     0.124    -0.572     0.567    [-0.315 , 0.172]
##         Robust         -         -    -0.546     0.585    [-0.386 , 0.218]
## ===============================================================================
## Point 85 of 264
## Minimum treated distance is  1.652069
## There are 142 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  3.084968
## There are 62 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            219         442
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 36.250      36.250
## BW bias (b)                 62.182      62.182
## rho (h/b)                    0.583       0.583
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            219         442
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 36.250      36.250
## BW bias (b)                 62.182      62.182
## rho (h/b)                    0.583       0.583
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.095     0.137    -0.692     0.489    [-0.363 , 0.174]
##         Robust         -         -    -0.683     0.495    [-0.445 , 0.215]
## ===============================================================================
## Point 86 of 264
```

```
## Minimum treated distance is  2.03242
## There are 141 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.595483
## There are 64 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            227         447
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 36.725      36.725
## BW bias (b)                 62.724      62.724
## rho (h/b)                    0.585       0.585
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            227         447
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 36.725      36.725
## BW bias (b)                 62.724      62.724
## rho (h/b)                    0.585       0.585
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.093     0.132    -0.705     0.481    [-0.351 , 0.165]
##         Robust         -         -    -0.698     0.485    [-0.431 , 0.205]
## ===============================================================================
## Point 87 of 264
## Minimum treated distance is  1.252096
## There are 188 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.111996
## There are 183 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
```

```
## VCE method                      NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            834         574
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.089      44.089
## BW bias (b)                 77.717      77.717
## rho (h/b)                    0.567       0.567
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                      NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            834         574
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.089      44.089
## BW bias (b)                 77.717      77.717
## rho (h/b)                    0.567       0.567
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.055     0.058     0.938     0.348    [-0.060 , 0.169]
##         Robust         -         -     0.772     0.440    [-0.086 , 0.198]
## ===============================================================================
## Point 88 of 264
## Minimum treated distance is  1.804226
## There are 131 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.7465409
## There are 228 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                      NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            813         570
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.104      45.104
## BW bias (b)                 79.956      79.956
## rho (h/b)                    0.564       0.564
## Unique Obs.                   2720        3447
```

```
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            813         570
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.104      45.104
## BW bias (b)                 79.956      79.956
## rho (h/b)                    0.564       0.564
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.070     0.063     1.123     0.261    [-0.052 , 0.193]
##         Robust         -         -     0.984     0.325    [-0.076 , 0.229]
## ===============================================================================
## Point 89 of 264
## Minimum treated distance is  1.506268
## There are 149 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.08772
## There are 215 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            802         564
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.297      44.297
## BW bias (b)                 78.458      78.458
## rho (h/b)                    0.565       0.565
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            802         564
```

```
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                44.297      44.297
## BW bias (b)                78.458      78.458
## rho (h/b)                   0.565       0.565
## Unique Obs.                  2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.068     0.060     1.128     0.259    [-0.050 , 0.186]
##         Robust         -         -     0.968     0.333    [-0.074 , 0.219]
## ===============================================================================
## Point 90 of 264
## Minimum treated distance is  1.013716
## There are 172 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.528008
## There are 138 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           561         580
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                40.292      40.292
## BW bias (b)                73.264      73.264
## rho (h/b)                   0.550       0.550
## Unique Obs.                  2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           561         580
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                40.292      40.292
## BW bias (b)                73.264      73.264
## rho (h/b)                   0.550       0.550
## Unique Obs.                  2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
```

```
##   Conventional    -0.142     0.086    -1.658     0.097    [-0.311 , 0.026]
##         Robust         -         -    -1.123     0.262    [-0.319 , 0.087]
## ================================================================================
## Point 91 of 264
## Minimum treated distance is  1.636298
## There are 160 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.611546
## There are 143 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            441         525
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 36.706      36.706
## BW bias (b)                 69.511      69.511
## rho (h/b)                    0.528       0.528
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            441         525
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 36.706      36.706
## BW bias (b)                 69.511      69.511
## rho (h/b)                    0.528       0.528
## Unique Obs.                   2720        3447
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.141     0.102    -1.390     0.164    [-0.340 , 0.058]
##         Robust         -         -    -0.888     0.374    [-0.340 , 0.128]
## ================================================================================
## Point 92 of 264
## Minimum treated distance is  1.202577
## There are 191 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.479673
## There are 177 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
```

```
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            816         589
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.085      44.085
## BW bias (b)                 77.439      77.439
## rho (h/b)                    0.569       0.569
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            816         589
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.085      44.085
## BW bias (b)                 77.439      77.439
## rho (h/b)                    0.569       0.569
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.065     0.061     1.077     0.282    [-0.054 , 0.185]
##         Robust         -         -     0.905     0.365    [-0.080 , 0.216]
## ===============================================================================
## Point 93 of 264
## Minimum treated distance is  1.6589
## There are 200 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.591641
## There are 174 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            796         609
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
```

```
## BW est. (h)                 43.734      43.734
## BW bias (b)                 76.952      76.952
## rho (h/b)                    0.568       0.568
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            796         609
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 43.734      43.734
## BW bias (b)                 76.952      76.952
## rho (h/b)                    0.568       0.568
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.072     0.061     1.173     0.241    [-0.048 , 0.192]
##         Robust         -         -     0.997     0.319    [-0.073 , 0.225]
## ===============================================================================
## Point 94 of 264
## Minimum treated distance is  1.891912
## There are 219 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.489702
## There are 155 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            783         634
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 43.769      43.769
## BW bias (b)                 77.358      77.358
## rho (h/b)                    0.566       0.566
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
```

```
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             783         634
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  43.769      43.769
## BW bias (b)                  77.358      77.358
## rho (h/b)                     0.566       0.566
## Unique Obs.                    2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.081     0.066     1.230     0.219    [-0.048 , 0.211]
##         Robust         -         -     1.091     0.275    [-0.071 , 0.251]
## ===============================================================================
## Point 95 of 264
## Minimum treated distance is  1.89925
## There are 109 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.2180729
## There are 249 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             826         560
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  45.635      45.635
## BW bias (b)                  80.980      80.980
## rho (h/b)                     0.564       0.564
## Unique Obs.                    2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             826         560
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  45.635      45.635
## BW bias (b)                  80.980      80.980
## rho (h/b)                     0.564       0.564
## Unique Obs.                    2720        3447
```

```
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.063     0.064     0.978     0.328    [-0.063 , 0.188]
##         Robust         -         -     0.851     0.395    [-0.088 , 0.224]
## ===============================================================================
## Point 96 of 264
## Minimum treated distance is  0.74009
## There are 186 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.096837
## There are 128 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            731         676
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.174      45.174
## BW bias (b)                 77.809      77.809
## rho (h/b)                    0.581       0.581
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            731         676
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.174      45.174
## BW bias (b)                 77.809      77.809
## rho (h/b)                    0.581       0.581
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.159     0.075    -2.136     0.033    [-0.305 , -0.013]
##         Robust         -         -    -1.565     0.118    [-0.327 , 0.037]
## ===============================================================================
## Point 97 of 264
## Minimum treated distance is  1.263388
## There are 202 Tr observations with positive weights out of 4477 Tr obs
```

```
## Minimum control distance is  0.8034461
## There are 118 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            888         785
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.557      49.557
## BW bias (b)                 83.015      83.015
## rho (h/b)                    0.597       0.597
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            888         785
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.557      49.557
## BW bias (b)                 83.015      83.015
## rho (h/b)                    0.597       0.597
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.186     0.069    -2.702     0.007    [-0.321 , -0.051]
##         Robust         -         -    -2.189     0.029    [-0.363 , -0.020]
## ===============================================================================
## Point 98 of 264
## Minimum treated distance is  1.319885
## There are 199 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.167005
## There are 117 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
```

```
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             703         720
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  45.345      45.345
## BW bias (b)                  77.508      77.508
## rho (h/b)                     0.585       0.585
## Unique Obs.                    2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             703         720
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  45.345      45.345
## BW bias (b)                  77.508      77.508
## rho (h/b)                     0.585       0.585
## Unique Obs.                    2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.169     0.077    -2.208     0.027    [-0.319 , -0.019]
##         Robust         -         -    -1.633     0.103    [-0.346 , 0.032]
## ===============================================================================
## Point 99 of 264
## Minimum treated distance is  1.511541
## There are 209 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.151585
## There are 114 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             867         806
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  49.608      49.608
## BW bias (b)                  82.657      82.657
## rho (h/b)                     0.600       0.600
## Unique Obs.                    2720        3447
##
## Call: rdrobust
```

```
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            867         806
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.608      49.608
## BW bias (b)                 82.657      82.657
## rho (h/b)                    0.600       0.600
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.192     0.074    -2.608     0.009    [-0.337 , -0.048]
##         Robust         -         -    -2.096     0.036    [-0.383 , -0.013]
## ===============================================================================
## Point 100 of 264
## Minimum treated distance is  1.837347
## There are 102 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.312637
## There are 252 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            807         573
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.839      45.839
## BW bias (b)                 81.421      81.421
## rho (h/b)                    0.563       0.563
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            807         573
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
```

```
## BW est. (h)                 45.839      45.839
## BW bias (b)                 81.421      81.421
## rho (h/b)                    0.563       0.563
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.072     0.065     1.100     0.271    [-0.056 , 0.199]
##         Robust         -         -     0.978     0.328    [-0.079 , 0.238]
## ===============================================================================
## Point 101 of 264
## Minimum treated distance is  1.732997
## There are 100 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.406424
## There are 251 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            788         580
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.637      45.637
## BW bias (b)                 80.585      80.585
## rho (h/b)                    0.566       0.566
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            788         580
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.637      45.637
## BW bias (b)                 80.585      80.585
## rho (h/b)                    0.566       0.566
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.079     0.062     1.267     0.205    [-0.043 , 0.201]
##         Robust         -         -     1.122     0.262    [-0.065 , 0.237]
```

```
## ===============================================================================
## Point 102 of 264
## Minimum treated distance is  1.512814
## There are 143 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.761555
## There are 75 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            288         529
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 39.579      39.579
## BW bias (b)                 65.418      65.418
## rho (h/b)                    0.605       0.605
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            288         529
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 39.579      39.579
## BW bias (b)                 65.418      65.418
## rho (h/b)                    0.605       0.605
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.066     0.122    -0.540     0.589    [-0.306 , 0.174]
##         Robust         -         -    -0.509     0.611    [-0.375 , 0.220]
## ===============================================================================
## Point 103 of 264
## Minimum treated distance is  1.374861
## There are 141 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.996242
## There are 77 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
```

```
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           296         570
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                39.999      39.999
## BW bias (b)                66.172      66.172
## rho (h/b)                   0.604       0.604
## Unique Obs.                  2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           296         570
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                39.999      39.999
## BW bias (b)                66.172      66.172
## rho (h/b)                   0.604       0.604
## Unique Obs.                  2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.057     0.117    -0.489     0.625    [-0.287 , 0.172]
##         Robust         -         -    -0.453     0.651    [-0.352 , 0.220]
## ===============================================================================
## Point 104 of 264
## Minimum treated distance is  2.191703
## There are 146 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  3.234681
## There are 48 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           167         393
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                33.824      33.824
## BW bias (b)                60.193      60.193
```

```
## rho (h/b)                    0.562       0.562
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            167         393
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 33.824      33.824
## BW bias (b)                 60.193      60.193
## rho (h/b)                    0.562       0.562
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.140     0.161    -0.869     0.385    [-0.455 , 0.175]
##         Robust         -         -    -0.831     0.406    [-0.545 , 0.220]
## ===============================================================================
## Point 105 of 264
## Minimum treated distance is  0.8297566
## There are 143 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  4.07437
## There are 55 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            187         429
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 34.853      34.853
## BW bias (b)                 61.037      61.037
## rho (h/b)                    0.571       0.571
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
```

```
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             187         429
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  34.853      34.853
## BW bias (b)                  61.037      61.037
## rho (h/b)                     0.571       0.571
## Unique Obs.                    2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.110     0.154    -0.713     0.476    [-0.413 , 0.193]
##         Robust         -         -    -0.689     0.491    [-0.502 , 0.241]
## ===============================================================================
## Point 106 of 264
## Minimum treated distance is  0.6821165
## There are 181 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.40861
## There are 134 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             647         637
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  42.776      42.776
## BW bias (b)                  75.427      75.427
## rho (h/b)                     0.567       0.567
## Unique Obs.                    2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             647         637
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  42.776      42.776
## BW bias (b)                  75.427      75.427
## rho (h/b)                     0.567       0.567
## Unique Obs.                    2720        3447
##
## ===============================================================================
```

```
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.149     0.082    -1.813     0.070    [-0.310 , 0.012]
##         Robust         -         -    -1.262     0.207    [-0.325 , 0.071]
## ================================================================================
## Point 107 of 264
## Minimum treated distance is  1.756151
## There are 193 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.7291225
## There are 124 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            593         648
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.993      41.993
## BW bias (b)                 74.166      74.166
## rho (h/b)                    0.566       0.566
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            593         648
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.993      41.993
## BW bias (b)                 74.166      74.166
## rho (h/b)                    0.566       0.566
## Unique Obs.                   2720        3447
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.152     0.088    -1.728     0.084    [-0.324 , 0.020]
##         Robust         -         -    -1.195     0.232    [-0.340 , 0.082]
## ================================================================================
## Point 108 of 264
## Minimum treated distance is  2.053775
## There are 182 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.001223
## There are 132 Co observations with positive weights out of 2995 Co obs
```

```
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            519         604
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 39.860      39.860
## BW bias (b)                 72.582      72.582
## rho (h/b)                    0.549       0.549
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            519         604
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 39.860      39.860
## BW bias (b)                 72.582      72.582
## rho (h/b)                    0.549       0.549
## Unique Obs.                   2720        3447
##
## =============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## =============================================================================
##   Conventional    -0.150     0.089    -1.679     0.093    [-0.325 , 0.025]
##         Robust         -         -    -1.141     0.254    [-0.333 , 0.088]
## =============================================================================
## Point 109 of 264
## Minimum treated distance is  1.417721
## There are 145 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.180516
## There are 78 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            311         632
```

```
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.420      41.420
## BW bias (b)                 68.623      68.623
## rho (h/b)                    0.604       0.604
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            311         632
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.420      41.420
## BW bias (b)                 68.623      68.623
## rho (h/b)                    0.604       0.604
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.050     0.120    -0.415     0.678    [-0.286 , 0.186]
##         Robust         -         -    -0.368     0.713    [-0.351 , 0.240]
## ===============================================================================
## Point 110 of 264
## Minimum treated distance is  1.066107
## There are 122 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.953308
## There are 88 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            314         566
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 39.868      39.868
## BW bias (b)                 65.357      65.357
## rho (h/b)                    0.610       0.610
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
```

```
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           314         566
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                39.868      39.868
## BW bias (b)                65.357      65.357
## rho (h/b)                   0.610       0.610
## Unique Obs.                 2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.039     0.116    -0.339     0.735    [-0.268 , 0.189]
##         Robust         -         -    -0.296     0.767    [-0.328 , 0.242]
## ===============================================================================
## Point 111 of 264
## Minimum treated distance is  1.734924
## There are 144 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.331525
## There are 78 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           320         674
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                41.979      41.979
## BW bias (b)                69.546      69.546
## rho (h/b)                   0.604       0.604
## Unique Obs.                 2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           320         674
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                41.979      41.979
## BW bias (b)                69.546      69.546
```

```
## rho (h/b)                    0.604       0.604
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.048     0.117    -0.408     0.683    [-0.277 , 0.181]
##         Robust         -         -    -0.357     0.721    [-0.339 , 0.234]
## ===============================================================================
## Point 112 of 264
## Minimum treated distance is  1.564041
## There are 140 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.683025
## There are 81 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            325         696
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 42.388      42.388
## BW bias (b)                 70.772      70.772
## rho (h/b)                    0.599       0.599
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            325         696
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 42.388      42.388
## BW bias (b)                 70.772      70.772
## rho (h/b)                    0.599       0.599
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.045     0.116    -0.383     0.702    [-0.273 , 0.183]
##         Robust         -         -    -0.320     0.749    [-0.333 , 0.239]
## ===============================================================================
## Point 113 of 264
```

```
## Minimum treated distance is  1.262409
## There are 130 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.727757
## There are 87 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            321         650
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.217      41.217
## BW bias (b)                 67.845      67.845
## rho (h/b)                    0.608       0.608
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            321         650
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.217      41.217
## BW bias (b)                 67.845      67.845
## rho (h/b)                    0.608       0.608
## Unique Obs.                   2720        3447
##
## ============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ============================================================================
##   Conventional    -0.040     0.118    -0.335     0.738    [-0.272 , 0.193]
##         Robust         -         -    -0.270     0.787    [-0.332 , 0.251]
## ============================================================================
## Point 114 of 264
## Minimum treated distance is  1.3638
## There are 260 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.134428
## There are 97 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
```

```
## VCE method                      NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            741         604
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.199      41.199
## BW bias (b)                 73.487      73.487
## rho (h/b)                    0.561       0.561
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                      NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            741         604
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.199      41.199
## BW bias (b)                 73.487      73.487
## rho (h/b)                    0.561       0.561
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.049     0.073     0.667     0.505    [-0.095 , 0.193]
##         Robust         -         -     0.529     0.597    [-0.130 , 0.227]
## ===============================================================================
## Point 115 of 264
## Minimum treated distance is  1.229989
## There are 267 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.104483
## There are 94 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                      NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            732         612
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.057      41.057
## BW bias (b)                 72.909      72.909
## rho (h/b)                    0.563       0.563
## Unique Obs.                   2720        3447
```

```
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            732         612
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.057      41.057
## BW bias (b)                 72.909      72.909
## rho (h/b)                    0.563       0.563
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.053     0.073     0.729     0.466    [-0.090 , 0.196]
##         Robust         -         -     0.588     0.557    [-0.124 , 0.230]
## ===============================================================================
## Point 116 of 264
## Minimum treated distance is  0.9401076
## There are 266 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.9208
## There are 97 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            707         614
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 40.686      40.686
## BW bias (b)                 72.445      72.445
## rho (h/b)                    0.562       0.562
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            707         614
```

```
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 40.686      40.686
## BW bias (b)                 72.445      72.445
## rho (h/b)                    0.562       0.562
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.061     0.070     0.874     0.382    [-0.076 , 0.199]
##         Robust         -         -     0.728     0.467    [-0.107 , 0.234]
## ===============================================================================
## Point 117 of 264
## Minimum treated distance is  1.369621
## There are 253 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.2079
## There are 111 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            727         625
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.467      41.467
## BW bias (b)                 73.764      73.764
## rho (h/b)                    0.562       0.562
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            727         625
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.467      41.467
## BW bias (b)                 73.764      73.764
## rho (h/b)                    0.562       0.562
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
```

```
##   Conventional     0.072     0.066     1.082     0.279    [-0.058 , 0.202]
##         Robust         -         -     0.921     0.357    [-0.085 , 0.237]
## ================================================================================
## Point 118 of 264
## Minimum treated distance is  1.929338
## There are 247 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.7942017
## There are 121 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            739         636
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 42.204      42.204
## BW bias (b)                 75.156      75.156
## rho (h/b)                    0.562       0.562
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            739         636
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 42.204      42.204
## BW bias (b)                 75.156      75.156
## rho (h/b)                    0.562       0.562
## Unique Obs.                   2720        3447
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional     0.080     0.069     1.166     0.244    [-0.054 , 0.214]
##         Robust         -         -     1.025     0.306    [-0.079 , 0.254]
## ================================================================================
## Point 119 of 264
## Minimum treated distance is  0.9435741
## There are 113 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.800887
## There are 96 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
```

```
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            332         561
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 40.160      40.160
## BW bias (b)                 65.174      65.174
## rho (h/b)                    0.616       0.616
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            332         561
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 40.160      40.160
## BW bias (b)                 65.174      65.174
## rho (h/b)                    0.616       0.616
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.039     0.116    -0.335     0.738    [-0.267 , 0.189]
##         Robust         -         -    -0.295     0.768    [-0.328 , 0.242]
## ===============================================================================
## Point 120 of 264
## Minimum treated distance is  1.894973
## There are 148 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.6199584
## There are 146 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            334         421
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
```

```
## BW est. (h)                 32.039      32.039
## BW bias (b)                 65.089      65.089
## rho (h/b)                    0.492       0.492
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            334         421
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 32.039      32.039
## BW bias (b)                 65.089      65.089
## rho (h/b)                    0.492       0.492
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.134     0.107    -1.245     0.213    [-0.344 , 0.077]
##         Robust         -         -    -0.765     0.444    [-0.334 , 0.146]
## ===============================================================================
## Point 121 of 264
## Minimum treated distance is  1.627434
## There are 148 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.43266
## There are 146 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            364         461
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 33.924      33.924
## BW bias (b)                 67.241      67.241
## rho (h/b)                    0.505       0.505
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
```

```
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             364         461
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  33.924      33.924
## BW bias (b)                  67.241      67.241
## rho (h/b)                     0.505       0.505
## Unique Obs.                    2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.140     0.111    -1.266     0.205    [-0.357 , 0.077]
##         Robust         -         -    -0.786     0.432    [-0.351 , 0.150]
## ===============================================================================
## Point 122 of 264
## Minimum treated distance is  1.215646
## There are 94 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.239232
## There are 254 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             792         598
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  46.182      46.182
## BW bias (b)                  80.936      80.936
## rho (h/b)                     0.571       0.571
## Unique Obs.                    2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             792         598
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  46.182      46.182
## BW bias (b)                  80.936      80.936
## rho (h/b)                     0.571       0.571
## Unique Obs.                    2720        3447
```

```
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional     0.088     0.065     1.336     0.182    [-0.041 , 0.216]
##         Robust         -         -     1.182     0.237    [-0.063 , 0.255]
## ================================================================================
## Point 123 of 264
## Minimum treated distance is  1.683645
## There are 148 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.8802285
## There are 147 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            329         423
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 32.087      32.087
## BW bias (b)                 65.830      65.830
## rho (h/b)                    0.487       0.487
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            329         423
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 32.087      32.087
## BW bias (b)                 65.830      65.830
## rho (h/b)                    0.487       0.487
## Unique Obs.                   2720        3447
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.141     0.111    -1.280     0.201    [-0.358 , 0.075]
##         Robust         -         -    -0.807     0.420    [-0.349 , 0.145]
## ================================================================================
## Point 124 of 264
## Minimum treated distance is  1.417622
## There are 88 Tr observations with positive weights out of 4477 Tr obs
```

```
## Minimum control distance is  1.29369
## There are 250 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            759         600
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.433      45.433
## BW bias (b)                 78.993      78.993
## rho (h/b)                    0.575       0.575
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            759         600
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.433      45.433
## BW bias (b)                 78.993      78.993
## rho (h/b)                    0.575       0.575
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.091     0.065     1.393     0.164    [-0.037 , 0.219]
##         Robust         -         -     1.228     0.220    [-0.059 , 0.258]
## ===============================================================================
## Point 125 of 264
## Minimum treated distance is  1.967674
## There are 80 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.429816
## There are 134 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
```

```
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             369         667
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  41.611      41.611
## BW bias (b)                  70.895      70.895
## rho (h/b)                     0.587       0.587
## Unique Obs.                    2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             369         667
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  41.611      41.611
## BW bias (b)                  70.895      70.895
## rho (h/b)                     0.587       0.587
## Unique Obs.                    2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.042     0.115     0.363     0.717    [-0.184 , 0.267]
##         Robust         -         -     0.501     0.616    [-0.207 , 0.350]
## ===============================================================================
## Point 126 of 264
## Minimum treated distance is  2.080345
## There are 247 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.4954539
## There are 127 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             723         641
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  42.203      42.203
## BW bias (b)                  75.313      75.313
## rho (h/b)                     0.560       0.560
## Unique Obs.                    2720        3447
##
## Call: rdrobust
```

```
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            723         641
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 42.203      42.203
## BW bias (b)                 75.313      75.313
## rho (h/b)                    0.560       0.560
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.086     0.068     1.264     0.206    [-0.048 , 0.220]
##         Robust         -         -     1.119     0.263    [-0.071 , 0.261]
## ===============================================================================
## Point 127 of 264
## Minimum treated distance is  1.006908
## There are 107 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.035628
## There are 102 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            342         582
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 40.757      40.757
## BW bias (b)                 66.342      66.342
## rho (h/b)                    0.614       0.614
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            342         582
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
```

```
## BW est. (h)                 40.757      40.757
## BW bias (b)                 66.342      66.342
## rho (h/b)                    0.614       0.614
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.030     0.113    -0.268     0.789    [-0.252 , 0.191]
##         Robust         -         -    -0.204     0.838    [-0.306 , 0.249]
## ===============================================================================
## Point 128 of 264
## Minimum treated distance is  0.8329217
## There are 107 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.467701
## There are 107 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            356         696
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 42.657      42.657
## BW bias (b)                 69.567      69.567
## rho (h/b)                    0.613       0.613
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            356         696
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 42.657      42.657
## BW bias (b)                 69.567      69.567
## rho (h/b)                    0.613       0.613
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.016     0.107    -0.148     0.882    [-0.225 , 0.193]
##         Robust         -         -    -0.062     0.950    [-0.270 , 0.254]
```

```
## ===============================================================================
## Point 129 of 264
## Minimum treated distance is  1.487605
## There are 107 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.695912
## There are 110 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            366         769
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 43.858      43.858
## BW bias (b)                 71.504      71.504
## rho (h/b)                    0.613       0.613
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            366         769
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 43.858      43.858
## BW bias (b)                 71.504      71.504
## rho (h/b)                    0.613       0.613
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.003     0.110    -0.029     0.977    [-0.218 , 0.211]
##         Robust         -         -     0.065     0.948    [-0.261 , 0.279]
## ===============================================================================
## Point 130 of 264
## Minimum treated distance is  1.768048
## There are 223 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.8351491
## There are 153 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
```

```
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           733         642
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                42.989      42.989
## BW bias (b)                77.214      77.214
## rho (h/b)                   0.557       0.557
## Unique Obs.                  2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           733         642
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                42.989      42.989
## BW bias (b)                77.214      77.214
## rho (h/b)                   0.557       0.557
## Unique Obs.                  2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.090     0.067     1.351     0.177    [-0.041 , 0.221]
##         Robust         -         -     1.220     0.222    [-0.061 , 0.262]
## ===============================================================================
## Point 131 of 264
## Minimum treated distance is  1.6789
## There are 237 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.8131001
## There are 132 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           690         656
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                42.028      42.028
## BW bias (b)                75.877      75.877
```

```
## rho (h/b)                    0.554       0.554
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            690         656
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 42.028      42.028
## BW bias (b)                 75.877      75.877
## rho (h/b)                    0.554       0.554
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.097     0.071     1.356     0.175    [-0.043 , 0.236]
##         Robust         -         -     1.219     0.223    [-0.065 , 0.279]
## ===============================================================================
## Point 132 of 264
## Minimum treated distance is  1.566221
## There are 225 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.063732
## There are 144 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            690         652
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 42.086      42.086
## BW bias (b)                 76.377      76.377
## rho (h/b)                    0.551       0.551
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
```

```
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             690         652
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  42.086      42.086
## BW bias (b)                  76.377      76.377
## rho (h/b)                     0.551       0.551
## Unique Obs.                    2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.097     0.068     1.423     0.155    [-0.037 , 0.231]
##         Robust         -         -     1.276     0.202    [-0.058 , 0.272]
## ===============================================================================
## Point 133 of 264
## Minimum treated distance is  2.136721
## There are 73 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.584566
## There are 250 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             681         580
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  43.349      43.349
## BW bias (b)                  76.938      76.938
## rho (h/b)                     0.563       0.563
## Unique Obs.                    2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             681         580
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  43.349      43.349
## BW bias (b)                  76.938      76.938
## rho (h/b)                     0.563       0.563
## Unique Obs.                    2720        3447
##
## ===============================================================================
```

```
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional     0.100     0.068     1.468     0.142    [-0.033 , 0.233]
##         Robust         -         -     1.313     0.189    [-0.054 , 0.273]
## ================================================================================
## Point 134 of 264
## Minimum treated distance is  1.521769
## There are 160 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.724237
## There are 138 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            338         464
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 33.523      33.523
## BW bias (b)                 67.065      67.065
## rho (h/b)                    0.500       0.500
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            338         464
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 33.523      33.523
## BW bias (b)                 67.065      67.065
## rho (h/b)                    0.500       0.500
## Unique Obs.                   2720        3447
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.149     0.111    -1.340     0.180    [-0.367 , 0.069]
##         Robust         -         -    -0.853     0.394    [-0.361 , 0.142]
## ================================================================================
## Point 135 of 264
## Minimum treated distance is  1.733135
## There are 162 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.225003
## There are 130 Co observations with positive weights out of 2995 Co obs
```

```
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            353         526
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 35.098      35.098
## BW bias (b)                 68.790      68.790
## rho (h/b)                    0.510       0.510
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            353         526
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 35.098      35.098
## BW bias (b)                 68.790      68.790
## rho (h/b)                    0.510       0.510
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.159     0.107    -1.483     0.138    [-0.370 , 0.051]
##         Robust         -         -    -0.967     0.333    [-0.365 , 0.124]
## ===============================================================================
## Point 136 of 264
## Minimum treated distance is  1.783953
## There are 164 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.149675
## There are 132 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            357         580
```

```
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                36.299      36.299
## BW bias (b)                70.434      70.434
## rho (h/b)                   0.515       0.515
## Unique Obs.                  2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            357         580
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                36.299      36.299
## BW bias (b)                70.434      70.434
## rho (h/b)                   0.515       0.515
## Unique Obs.                  2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.168     0.100    -1.672     0.094    [-0.364 , 0.029]
##         Robust         -         -    -1.129     0.259    [-0.361 , 0.097]
## ===============================================================================
## Point 137 of 264
## Minimum treated distance is  1.620538
## There are 97 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.6077723
## There are 243 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            743         610
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                45.091      45.091
## BW bias (b)                78.141      78.141
## rho (h/b)                   0.577       0.577
## Unique Obs.                  2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
```

```
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           743         610
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                45.091      45.091
## BW bias (b)                78.141      78.141
## rho (h/b)                   0.577       0.577
## Unique Obs.                  2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.093     0.065     1.435     0.151    [-0.034 , 0.221]
##         Robust         -         -     1.265     0.206    [-0.056 , 0.259]
## ===============================================================================
## Point 138 of 264
## Minimum treated distance is  1.171009
## There are 105 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.8759564
## There are 237 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           743         620
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                45.172      45.172
## BW bias (b)                77.759      77.759
## rho (h/b)                   0.581       0.581
## Unique Obs.                  2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           743         620
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                45.172      45.172
## BW bias (b)                77.759      77.759
```

```
## rho (h/b)                    0.581       0.581
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.095     0.065     1.460     0.144    [-0.032 , 0.222]
##         Robust         -         -     1.280     0.200    [-0.054 , 0.259]
## ===============================================================================
## Point 139 of 264
## Minimum treated distance is  1.427309
## There are 95 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.632829
## There are 240 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            715         606
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.419      44.419
## BW bias (b)                 76.983      76.983
## rho (h/b)                    0.577       0.577
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            715         606
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.419      44.419
## BW bias (b)                 76.983      76.983
## rho (h/b)                    0.577       0.577
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.096     0.063     1.528     0.127    [-0.027 , 0.218]
##         Robust         -         -     1.345     0.179    [-0.047 , 0.254]
## ===============================================================================
## Point 140 of 264
```

```
## Minimum treated distance is  1.581921
## There are 108 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.429095
## There are 114 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            363         766
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 43.422      43.422
## BW bias (b)                 71.590      71.590
## rho (h/b)                    0.607       0.607
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            363         766
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 43.422      43.422
## BW bias (b)                 71.590      71.590
## rho (h/b)                    0.607       0.607
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.002     0.110     0.017     0.986    [-0.213 , 0.217]
##         Robust         -         -     0.127     0.899    [-0.253 , 0.288]
## ===============================================================================
## Point 141 of 264
## Minimum treated distance is  1.629678
## There are 96 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.7549797
## There are 117 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
```

```
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             355         698
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  41.663      41.663
## BW bias (b)                  70.116      70.116
## rho (h/b)                     0.594       0.594
## Unique Obs.                    2720        3447
##
## Call: rdrobust
##
## Number of Obs.                  7472
## BW type                        mserd
## Kernel                    Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             355         698
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  41.663      41.663
## BW bias (b)                  70.116      70.116
## rho (h/b)                     0.594       0.594
## Unique Obs.                    2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.017     0.107     0.163     0.870    [-0.192 , 0.226]
##         Robust         -         -     0.296     0.767    [-0.219 , 0.298]
## ===============================================================================
## Point 142 of 264
## Minimum treated distance is  1.776473
## There are 107 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.422512
## There are 115 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                  7472
## BW type                        mserd
## Kernel                    Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             339         675
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  40.910      40.910
## BW bias (b)                  69.029      69.029
## rho (h/b)                     0.593       0.593
## Unique Obs.                    2720        3447
```

```
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            339         675
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 40.910      40.910
## BW bias (b)                 69.029      69.029
## rho (h/b)                    0.593       0.593
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.005     0.109     0.047     0.962    [-0.209 , 0.220]
##         Robust         -         -     0.180     0.857    [-0.241 , 0.290]
## ===============================================================================
## Point 143 of 264
## Minimum treated distance is  0.4707237
## There are 119 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.5558869
## There are 223 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            729         630
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.779      44.779
## BW bias (b)                 77.092      77.092
## rho (h/b)                    0.581       0.581
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            729         630
```

```
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                44.779      44.779
## BW bias (b)                77.092      77.092
## rho (h/b)                   0.581       0.581
## Unique Obs.                  2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.096     0.061     1.568     0.117    [-0.024 , 0.217]
##         Robust         -         -     1.368     0.171    [-0.045 , 0.251]
## ===============================================================================
## Point 144 of 264
## Minimum treated distance is  1.384889
## There are 101 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.9098095
## There are 232 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           722         621
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                44.627      44.627
## BW bias (b)                76.788      76.788
## rho (h/b)                   0.581       0.581
## Unique Obs.                  2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           722         621
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                44.627      44.627
## BW bias (b)                76.788      76.788
## rho (h/b)                   0.581       0.581
## Unique Obs.                  2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
```

```
##   Conventional     0.096     0.062     1.546     0.122    [-0.026 , 0.218]
##         Robust         -         -     1.353     0.176    [-0.046 , 0.254]
## ================================================================================
## Point 145 of 264
## Minimum treated distance is  1.332583
## There are 108 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.6534584
## There are 228 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            711         626
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.386      44.386
## BW bias (b)                 76.519      76.519
## rho (h/b)                    0.580       0.580
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            711         626
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.386      44.386
## BW bias (b)                 76.519      76.519
## rho (h/b)                    0.580       0.580
## Unique Obs.                   2720        3447
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional     0.096     0.060     1.594     0.111    [-0.022 , 0.215]
##         Robust         -         -     1.391     0.164    [-0.042 , 0.248]
## ================================================================================
## Point 146 of 264
## Minimum treated distance is  0.95995
## There are 125 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.8122171
## There are 216 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
```

```
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            701         631
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.269      44.269
## BW bias (b)                 76.337      76.337
## rho (h/b)                    0.580       0.580
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            701         631
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.269      44.269
## BW bias (b)                 76.337      76.337
## rho (h/b)                    0.580       0.580
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.097     0.062     1.581     0.114    [-0.023 , 0.218]
##         Robust         -         -     1.369     0.171    [-0.045 , 0.252]
## ===============================================================================
## Point 147 of 264
## Minimum treated distance is  1.595377
## There are 81 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.4165848
## There are 249 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            723         608
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
```

```
## BW est. (h)                 44.770      44.770
## BW bias (b)                 78.252      78.252
## rho (h/b)                    0.572       0.572
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            723         608
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.770      44.770
## BW bias (b)                 78.252      78.252
## rho (h/b)                    0.572       0.572
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.100     0.067     1.495     0.135    [-0.031 , 0.231]
##         Robust         -         -     1.336     0.181    [-0.051 , 0.271]
## ===============================================================================
## Point 148 of 264
## Minimum treated distance is  1.748634
## There are 77 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.693777
## There are 252 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            706         599
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.225      44.225
## BW bias (b)                 77.207      77.207
## rho (h/b)                    0.573       0.573
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
```

```
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             706         599
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  44.225      44.225
## BW bias (b)                  77.207      77.207
## rho (h/b)                     0.573       0.573
## Unique Obs.                    2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.100     0.067     1.479     0.139    [-0.032 , 0.231]
##         Robust         -         -     1.313     0.189    [-0.054 , 0.271]
## ===============================================================================
## Point 149 of 264
## Minimum treated distance is  1.582569
## There are 83 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.5350762
## There are 135 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             372         724
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  42.290      42.290
## BW bias (b)                  72.558      72.558
## rho (h/b)                     0.583       0.583
## Unique Obs.                    2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             372         724
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  42.290      42.290
## BW bias (b)                  72.558      72.558
## rho (h/b)                     0.583       0.583
## Unique Obs.                    2720        3447
```

```
##
## ============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ============================================================================
##   Conventional     0.046     0.117     0.394     0.693    [-0.184 , 0.277]
##         Robust         -         -     0.547     0.584    [-0.205 , 0.363]
## ============================================================================
## Point 150 of 264
## Minimum treated distance is  1.810702
## There are 97 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.9985426
## There are 125 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            325         620
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 39.030      39.030
## BW bias (b)                 68.325      68.325
## rho (h/b)                    0.571       0.571
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            325         620
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 39.030      39.030
## BW bias (b)                 68.325      68.325
## rho (h/b)                    0.571       0.571
## Unique Obs.                   2720        3447
##
## ============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ============================================================================
##   Conventional     0.050     0.115     0.435     0.664    [-0.176 , 0.276]
##         Robust         -         -     0.584     0.559    [-0.192 , 0.356]
## ============================================================================
## Point 151 of 264
## Minimum treated distance is  1.31329
## There are 172 Tr observations with positive weights out of 4477 Tr obs
```

```
## Minimum control distance is  1.230801
## There are 126 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            476         797
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 42.981      42.981
## BW bias (b)                 76.462      76.462
## rho (h/b)                    0.562       0.562
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            476         797
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 42.981      42.981
## BW bias (b)                 76.462      76.462
## rho (h/b)                    0.562       0.562
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.189     0.087    -2.168     0.030    [-0.360 , -0.018]
##         Robust         -         -    -1.528     0.127    [-0.370 , 0.046]
## ===============================================================================
## Point 152 of 264
## Minimum treated distance is  1.348723
## There are 183 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.065816
## There are 120 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
```

```
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             546         969
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  46.857      46.857
## BW bias (b)                  80.133      80.133
## rho (h/b)                     0.585       0.585
## Unique Obs.                    2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             546         969
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  46.857      46.857
## BW bias (b)                  80.133      80.133
## rho (h/b)                     0.585       0.585
## Unique Obs.                    2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.212     0.080    -2.655     0.008    [-0.369 , -0.056]
##         Robust         -         -    -1.936     0.053    [-0.389 , 0.002]
## ===============================================================================
## Point 153 of 264
## Minimum treated distance is  1.632318
## There are 163 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.9694627
## There are 130 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             355         643
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  37.634      37.634
## BW bias (b)                  71.102      71.102
## rho (h/b)                     0.529       0.529
## Unique Obs.                    2720        3447
##
## Call: rdrobust
```

```
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            355         643
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 37.634      37.634
## BW bias (b)                 71.102      71.102
## rho (h/b)                    0.529       0.529
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.179     0.102    -1.763     0.078    [-0.378 , 0.020]
##         Robust         -         -    -1.203     0.229    [-0.378 , 0.091]
## ===============================================================================
## Point 154 of 264
## Minimum treated distance is  1.724956
## There are 178 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.072888
## There are 124 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            414         762
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 40.971      40.971
## BW bias (b)                 74.776      74.776
## rho (h/b)                    0.548       0.548
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            414         762
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
```

```
## BW est. (h)                 40.971      40.971
## BW bias (b)                 74.776      74.776
## rho (h/b)                    0.548       0.548
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.189     0.092    -2.060     0.039    [-0.368 , -0.009]
##         Robust         -         -    -1.441     0.150    [-0.374 , 0.057]
## ===============================================================================
## Point 155 of 264
## Minimum treated distance is  2.621384
## There are 77 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.542387
## There are 251 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            641         569
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 42.386      42.386
## BW bias (b)                 75.990      75.990
## rho (h/b)                    0.558       0.558
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            641         569
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 42.386      42.386
## BW bias (b)                 75.990      75.990
## rho (h/b)                    0.558       0.558
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.102     0.066     1.545     0.122    [-0.027 , 0.232]
##         Robust         -         -     1.392     0.164    [-0.046 , 0.271]
```

```
## ===============================================================================
## Point 156 of 264
## Minimum treated distance is  1.476896
## There are 91 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.4192208
## There are 129 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            330         599
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 38.976      38.976
## BW bias (b)                 68.472      68.472
## rho (h/b)                    0.569       0.569
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            330         599
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 38.976      38.976
## BW bias (b)                 68.472      68.472
## rho (h/b)                    0.569       0.569
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.052     0.113     0.458     0.647    [-0.170 , 0.273]
##         Robust         -         -     0.610     0.542    [-0.184 , 0.351]
## ===============================================================================
## Point 157 of 264
## Minimum treated distance is  1.367779
## There are 150 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.6902992
## There are 134 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
```

```
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           282         417
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                31.692      31.692
## BW bias (b)                63.741      63.741
## rho (h/b)                   0.497       0.497
## Unique Obs.                  2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           282         417
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                31.692      31.692
## BW bias (b)                63.741      63.741
## rho (h/b)                   0.497       0.497
## Unique Obs.                  2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.148     0.120    -1.231     0.218    [-0.383 , 0.088]
##         Robust         -         -    -0.765     0.444    [-0.377 , 0.165]
## ===============================================================================
## Point 158 of 264
## Minimum treated distance is  1.247192
## There are 162 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.707571
## There are 123 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           260         396
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                30.590      30.590
## BW bias (b)                62.658      62.658
```

```
## rho (h/b)                    0.488       0.488
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            260         396
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 30.590      30.590
## BW bias (b)                 62.658      62.658
## rho (h/b)                    0.488       0.488
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.150     0.110    -1.362     0.173    [-0.366 , 0.066]
##         Robust         -         -    -0.880     0.379    [-0.359 , 0.137]
## ===============================================================================
## Point 159 of 264
## Minimum treated distance is  2.764985
## There are 80 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.199273
## There are 243 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            629         588
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 42.311      42.311
## BW bias (b)                 75.232      75.232
## rho (h/b)                    0.562       0.562
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
```

```
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             629         588
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  42.311      42.311
## BW bias (b)                  75.232      75.232
## rho (h/b)                     0.562       0.562
## Unique Obs.                    2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.102     0.069     1.485     0.138    [-0.033 , 0.238]
##         Robust         -         -     1.329     0.184    [-0.053 , 0.278]
## ===============================================================================
## Point 160 of 264
## Minimum treated distance is  2.06423
## There are 101 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.7827467
## There are 124 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             325         632
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  39.180      39.180
## BW bias (b)                  68.118      68.118
## rho (h/b)                     0.575       0.575
## Unique Obs.                    2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             325         632
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  39.180      39.180
## BW bias (b)                  68.118      68.118
## rho (h/b)                     0.575       0.575
## Unique Obs.                    2720        3447
##
## ===============================================================================
```

```
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional     0.048     0.116     0.410     0.682    [-0.181 , 0.276]
##         Robust         -         -     0.560     0.575    [-0.198 , 0.356]
## ================================================================================
## Point 161 of 264
## Minimum treated distance is  1.119801
## There are 107 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.651324
## There are 222 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            597         597
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.303      41.303
## BW bias (b)                 71.405      71.405
## rho (h/b)                    0.578       0.578
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            597         597
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.303      41.303
## BW bias (b)                 71.405      71.405
## rho (h/b)                    0.578       0.578
## Unique Obs.                   2720        3447
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional     0.091     0.068     1.342     0.180    [-0.042 , 0.223]
##         Robust         -         -     1.106     0.269    [-0.071 , 0.255]
## ================================================================================
## Point 162 of 264
## Minimum treated distance is  2.1442
## There are 105 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.4060278
## There are 120 Co observations with positive weights out of 2995 Co obs
```

```
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            315         642
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 39.148      39.148
## BW bias (b)                 67.739      67.739
## rho (h/b)                    0.578       0.578
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            315         642
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 39.148      39.148
## BW bias (b)                 67.739      67.739
## rho (h/b)                    0.578       0.578
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.043     0.117     0.366     0.714    [-0.186 , 0.271]
##         Robust         -         -     0.514     0.607    [-0.205 , 0.351]
## ===============================================================================
## Point 163 of 264
## Minimum treated distance is  2.002273
## There are 109 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.360217
## There are 116 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            303         614
```

```
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                38.240      38.240
## BW bias (b)                67.128      67.128
## rho (h/b)                   0.570       0.570
## Unique Obs.                  2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            303         614
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                38.240      38.240
## BW bias (b)                67.128      67.128
## rho (h/b)                   0.570       0.570
## Unique Obs.                  2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.048     0.111     0.429     0.668    [-0.170 , 0.266]
##         Robust         -         -     0.582     0.560    [-0.185 , 0.340]
## ===============================================================================
## Point 164 of 264
## Minimum treated distance is  2.024424
## There are 132 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.080945
## There are 195 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            583         642
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                41.396      41.396
## BW bias (b)                72.769      72.769
## rho (h/b)                   0.569       0.569
## Unique Obs.                  2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
```

```
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           583         642
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                41.396      41.396
## BW bias (b)                72.769      72.769
## rho (h/b)                   0.569       0.569
## Unique Obs.                 2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.083     0.072     1.159     0.246    [-0.058 , 0.224]
##         Robust         -         -     0.942     0.346    [-0.091 , 0.259]
## ===============================================================================
## Point 165 of 264
## Minimum treated distance is  0.9029989
## There are 160 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.790907
## There are 156 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           538         693
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                40.639      40.639
## BW bias (b)                73.067      73.067
## rho (h/b)                   0.556       0.556
## Unique Obs.                 2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           538         693
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                40.639      40.639
## BW bias (b)                73.067      73.067
```

```
## rho (h/b)                    0.556       0.556
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.059     0.079     0.752     0.452    [-0.095 , 0.214]
##         Robust         -         -     0.545     0.586    [-0.138 , 0.244]
## ===============================================================================
## Point 166 of 264
## Minimum treated distance is  0.2134365
## There are 145 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.882897
## There are 169 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            571         707
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.976      41.976
## BW bias (b)                 73.977      73.977
## rho (h/b)                    0.567       0.567
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            571         707
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.976      41.976
## BW bias (b)                 73.977      73.977
## rho (h/b)                    0.567       0.567
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.073     0.078     0.938     0.348    [-0.079 , 0.225]
##         Robust         -         -     0.731     0.465    [-0.119 , 0.260]
## ===============================================================================
## Point 167 of 264
```

```
## Minimum treated distance is  0.516311
## There are 162 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.5573
## There are 151 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            469         636
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 37.969      37.969
## BW bias (b)                 70.257      70.257
## rho (h/b)                    0.540       0.540
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            469         636
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 37.969      37.969
## BW bias (b)                 70.257      70.257
## rho (h/b)                    0.540       0.540
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.039     0.087     0.451     0.652    [-0.132 , 0.211]
##         Robust         -         -     0.253     0.801    [-0.182 , 0.235]
## ===============================================================================
## Point 168 of 264
## Minimum treated distance is  1.938514
## There are 114 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.3283519
## There are 112 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
```

```
## VCE method                      NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            309         688
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 39.583      39.583
## BW bias (b)                 68.884      68.884
## rho (h/b)                    0.575       0.575
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                      NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            309         688
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 39.583      39.583
## BW bias (b)                 68.884      68.884
## rho (h/b)                    0.575       0.575
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.038     0.111     0.343     0.731    [-0.179 , 0.255]
##         Robust         -         -     0.494     0.621    [-0.198 , 0.331]
## ===============================================================================
## Point 169 of 264
## Minimum treated distance is  1.678861
## There are 125 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.5565738
## There are 110 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                      NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            308         722
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 40.071      40.071
## BW bias (b)                 69.695      69.695
## rho (h/b)                    0.575       0.575
## Unique Obs.                   2720        3447
```

```
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            308         722
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 40.071      40.071
## BW bias (b)                 69.695      69.695
## rho (h/b)                    0.575       0.575
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.031     0.111     0.285     0.776    [-0.185 , 0.248]
##         Robust         -         -     0.433     0.665    [-0.206 , 0.324]
## ===============================================================================
## Point 170 of 264
## Minimum treated distance is  1.715988
## There are 181 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.335464
## There are 115 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            307         629
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 36.434      36.434
## BW bias (b)                 69.606      69.606
## rho (h/b)                    0.523       0.523
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            307         629
```

```
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                36.434      36.434
## BW bias (b)                69.606      69.606
## rho (h/b)                   0.523       0.523
## Unique Obs.                  2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.187     0.105    -1.785     0.074    [-0.393 , 0.018]
##         Robust         -         -    -1.224     0.221    [-0.393 , 0.091]
## ===============================================================================
## Point 171 of 264
## Minimum treated distance is  1.355148
## There are 185 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.241847
## There are 112 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           329         707
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                38.299      38.299
## BW bias (b)                71.650      71.650
## rho (h/b)                   0.535       0.535
## Unique Obs.                  2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           329         707
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                38.299      38.299
## BW bias (b)                71.650      71.650
## rho (h/b)                   0.535       0.535
## Unique Obs.                  2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
```

```
##   Conventional    -0.189     0.102    -1.848     0.065    [-0.389 , 0.011]
##         Robust         -         -    -1.274     0.203    [-0.392 , 0.083]
## ================================================================================
## Point 172 of 264
## Minimum treated distance is  0.6819444
## There are 196 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.821347
## There are 102 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            457        1050
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.992      45.992
## BW bias (b)                 79.384      79.384
## rho (h/b)                    0.579       0.579
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            457        1050
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.992      45.992
## BW bias (b)                 79.384      79.384
## rho (h/b)                    0.579       0.579
## Unique Obs.                   2720        3447
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.219     0.091    -2.403     0.016    [-0.398 , -0.040]
##         Robust         -         -    -1.704     0.088    [-0.415 , 0.029]
## ================================================================================
## Point 173 of 264
## Minimum treated distance is  1.3763
## There are 212 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.868493
## There are 95 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
```

```
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            572        1321
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 51.406      51.406
## BW bias (b)                 84.436      84.436
## rho (h/b)                    0.609       0.609
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            572        1321
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 51.406      51.406
## BW bias (b)                 84.436      84.436
## rho (h/b)                    0.609       0.609
## Unique Obs.                   2720        3447
##
## ============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ============================================================================
##   Conventional    -0.247     0.080    -3.076     0.002    [-0.405 , -0.090]
##         Robust         -         -    -2.252     0.024    [-0.439 , -0.030]
## ============================================================================
## Point 174 of 264
## Minimum treated distance is  2.157055
## There are 213 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.292811
## There are 97 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            387         971
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
```

```
## BW est. (h)                 43.493      43.493
## BW bias (b)                 77.374      77.374
## rho (h/b)                    0.562       0.562
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            387         971
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 43.493      43.493
## BW bias (b)                 77.374      77.374
## rho (h/b)                    0.562       0.562
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.216     0.096    -2.257     0.024    [-0.403 , -0.028]
##         Robust         -         -    -1.599     0.110    [-0.415 , 0.042]
## ===============================================================================
## Point 175 of 264
## Minimum treated distance is  1.597923
## There are 202 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.776986
## There are 97 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            396        1082
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.910      44.910
## BW bias (b)                 78.430      78.430
## rho (h/b)                    0.573       0.573
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
```

```
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             396        1082
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  44.910      44.910
## BW bias (b)                  78.430      78.430
## rho (h/b)                     0.573       0.573
## Unique Obs.                    2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.225     0.093    -2.413     0.016    [-0.407 , -0.042]
##         Robust         -         -    -1.713     0.087    [-0.419 , 0.028]
## ===============================================================================
## Point 176 of 264
## Minimum treated distance is  2.232165
## There are 194 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.011388
## There are 97 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             324         894
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  41.130      41.130
## BW bias (b)                  74.338      74.338
## rho (h/b)                     0.553       0.553
## Unique Obs.                    2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             324         894
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  41.130      41.130
## BW bias (b)                  74.338      74.338
## rho (h/b)                     0.553       0.553
## Unique Obs.                    2720        3447
```

```
##
## ============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ============================================================================
##   Conventional    -0.217     0.096    -2.253     0.024    [-0.405 , -0.028]
##         Robust         -         -    -1.610     0.107    [-0.412 , 0.040]
## ============================================================================
## Point 177 of 264
## Minimum treated distance is  1.692508
## There are 126 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.9913425
## There are 111 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            308         741
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 40.223      40.223
## BW bias (b)                 69.887      69.887
## rho (h/b)                    0.576       0.576
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            308         741
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 40.223      40.223
## BW bias (b)                 69.887      69.887
## rho (h/b)                    0.576       0.576
## Unique Obs.                   2720        3447
##
## ============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ============================================================================
##   Conventional     0.028     0.111     0.254     0.800    [-0.190 , 0.246]
##         Robust         -         -     0.403     0.687    [-0.212 , 0.322]
## ============================================================================
## Point 178 of 264
## Minimum treated distance is  1.304499
## There are 132 Tr observations with positive weights out of 4477 Tr obs
```

```
## Minimum control distance is  1.318458
## There are 110 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            296         728
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 39.788      39.788
## BW bias (b)                 69.287      69.287
## rho (h/b)                    0.574       0.574
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            296         728
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 39.788      39.788
## BW bias (b)                 69.287      69.287
## rho (h/b)                    0.574       0.574
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.025     0.112     0.222     0.824    [-0.194 , 0.244]
##         Robust         -         -     0.375     0.707    [-0.216 , 0.319]
## ===============================================================================
## Point 179 of 264
## Minimum treated distance is  2.398549
## There are 187 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.690666
## There are 101 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
```

```
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             343         975
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  42.391      42.391
## BW bias (b)                  74.450      74.450
## rho (h/b)                     0.569       0.569
## Unique Obs.                    2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             343         975
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  42.391      42.391
## BW bias (b)                  74.450      74.450
## rho (h/b)                     0.569       0.569
## Unique Obs.                    2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.218     0.102    -2.144     0.032    [-0.417 , -0.019]
##         Robust         -         -    -1.517     0.129    [-0.427 , 0.054]
## ===============================================================================
## Point 180 of 264
## Minimum treated distance is  1.476161
## There are 175 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.752332
## There are 100 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             316         868
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  40.645      40.645
## BW bias (b)                  70.946      70.946
## rho (h/b)                     0.573       0.573
## Unique Obs.                    2720        3447
##
## Call: rdrobust
```

```
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            316         868
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 40.645      40.645
## BW bias (b)                 70.946      70.946
## rho (h/b)                    0.573       0.573
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.223     0.100    -2.226     0.026    [-0.420 , -0.027]
##         Robust         -         -    -1.607     0.108    [-0.433 , 0.043]
## ===============================================================================
## Point 181 of 264
## Minimum treated distance is  1.389228
## There are 172 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.674957
## There are 142 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            418         629
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 36.871      36.871
## BW bias (b)                 68.740      68.740
## rho (h/b)                    0.536       0.536
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            418         629
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
```

```
## BW est. (h)                 36.871      36.871
## BW bias (b)                 68.740      68.740
## rho (h/b)                    0.536       0.536
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.022     0.092     0.238     0.812    [-0.158 , 0.201]
##         Robust         -         -     0.079     0.937    [-0.208 , 0.225]
## ===============================================================================
## Point 182 of 264
## Minimum treated distance is  0.6424864
## There are 166 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.286782
## There are 148 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            445         622
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 37.091      37.091
## BW bias (b)                 69.040      69.040
## rho (h/b)                    0.537       0.537
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            445         622
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 37.091      37.091
## BW bias (b)                 69.040      69.040
## rho (h/b)                    0.537       0.537
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.030     0.089     0.334     0.738    [-0.145 , 0.205]
##         Robust         -         -     0.143     0.886    [-0.196 , 0.227]
```

```
## ===============================================================================
## Point 183 of 264
## Minimum treated distance is  2.544136
## There are 166 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.243916
## There are 139 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            399         630
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 36.686      36.686
## BW bias (b)                 67.805      67.805
## rho (h/b)                    0.541       0.541
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            399         630
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 36.686      36.686
## BW bias (b)                 67.805      67.805
## rho (h/b)                    0.541       0.541
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.032     0.090     0.359     0.719    [-0.144 , 0.208]
##         Robust         -         -     0.246     0.806    [-0.187 , 0.240]
## ===============================================================================
## Point 184 of 264
## Minimum treated distance is  1.484475
## There are 136 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.659052
## There are 105 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
```

```
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           294         780
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                40.284      40.284
## BW bias (b)                70.199      70.199
## rho (h/b)                   0.574       0.574
## Unique Obs.                  2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           294         780
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                40.284      40.284
## BW bias (b)                70.199      70.199
## rho (h/b)                   0.574       0.574
## Unique Obs.                  2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.015     0.113     0.135     0.892    [-0.207 , 0.237]
##         Robust         -         -     0.297     0.766    [-0.231 , 0.313]
## ===============================================================================
## Point 185 of 264
## Minimum treated distance is  1.387873
## There are 140 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.085148
## There are 101 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           283         758
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                39.630      39.630
## BW bias (b)                69.844      69.844
```

```
## rho (h/b)                    0.567       0.567
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            283         758
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 39.630      39.630
## BW bias (b)                 69.844      69.844
## rho (h/b)                    0.567       0.567
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.019     0.115     0.165     0.869    [-0.206 , 0.244]
##         Robust         -         -     0.328     0.743    [-0.229 , 0.321]
## ===============================================================================
## Point 186 of 264
## Minimum treated distance is  1.584113
## There are 139 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.263494
## There are 96 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            271         778
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 39.501      39.501
## BW bias (b)                 70.103      70.103
## rho (h/b)                    0.563       0.563
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
```

```
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             271         778
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  39.501      39.501
## BW bias (b)                  70.103      70.103
## rho (h/b)                     0.563       0.563
## Unique Obs.                    2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.014     0.112     0.125     0.900    [-0.205 , 0.233]
##         Robust         -         -     0.299     0.765    [-0.227 , 0.308]
## ===============================================================================
## Point 187 of 264
## Minimum treated distance is  1.670326
## There are 146 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.057615
## There are 92 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             266         760
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  39.142      39.142
## BW bias (b)                  69.103      69.103
## rho (h/b)                     0.566       0.566
## Unique Obs.                    2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             266         760
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  39.142      39.142
## BW bias (b)                  69.103      69.103
## rho (h/b)                     0.566       0.566
## Unique Obs.                    2720        3447
##
## ===============================================================================
```

```
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional     0.013     0.116     0.109     0.913    [-0.215 , 0.241]
##         Robust         -         -     0.290     0.771    [-0.237 , 0.319]
## ================================================================================
## Point 188 of 264
## Minimum treated distance is  2.419037
## There are 132 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.5902842
## There are 114 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            243         609
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 35.588      35.588
## BW bias (b)                 62.932      62.932
## rho (h/b)                    0.565       0.565
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            243         609
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 35.588      35.588
## BW bias (b)                 62.932      62.932
## rho (h/b)                    0.565       0.565
## Unique Obs.                   2720        3447
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.134     0.119    -1.125     0.261    [-0.368 , 0.099]
##         Robust         -         -    -0.797     0.425    [-0.402 , 0.170]
## ================================================================================
## Point 189 of 264
## Minimum treated distance is  2.268745
## There are 151 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.611515
## There are 97 Co observations with positive weights out of 2995 Co obs
```

```
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            236         649
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 35.616      35.616
## BW bias (b)                 61.080      61.080
## rho (h/b)                    0.583       0.583
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            236         649
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 35.616      35.616
## BW bias (b)                 61.080      61.080
## rho (h/b)                    0.583       0.583
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.182     0.121    -1.503     0.133    [-0.418 , 0.055]
##         Robust         -         -    -1.118     0.264    [-0.458 , 0.125]
## ===============================================================================
## Point 190 of 264
## Minimum treated distance is  2.488873
## There are 149 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.258472
## There are 98 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            239         675
```

```
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                36.096      36.096
## BW bias (b)                61.825      61.825
## rho (h/b)                   0.584       0.584
## Unique Obs.                  2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            239         675
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                36.096      36.096
## BW bias (b)                61.825      61.825
## rho (h/b)                   0.584       0.584
## Unique Obs.                  2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.177     0.121    -1.471     0.141    [-0.413 , 0.059]
##         Robust         -         -    -1.087     0.277    [-0.453 , 0.130]
## ===============================================================================
## Point 191 of 264
## Minimum treated distance is  1.195825
## There are 152 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.617984
## There are 99 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            250         663
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                36.291      36.291
## BW bias (b)                62.014      62.014
## rho (h/b)                   0.585       0.585
## Unique Obs.                  2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
```

```
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           250         663
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                36.291      36.291
## BW bias (b)                62.014      62.014
## rho (h/b)                   0.585       0.585
## Unique Obs.                  2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.196     0.112    -1.748     0.081    [-0.416 , 0.024]
##         Robust         -         -    -1.300     0.194    [-0.450 , 0.091]
## ===============================================================================
## Point 192 of 264
## Minimum treated distance is  1.753239
## There are 156 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.086261
## There are 98 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           245         661
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                36.176      36.176
## BW bias (b)                62.046      62.046
## rho (h/b)                   0.583       0.583
## Unique Obs.                  2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           245         661
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                36.176      36.176
## BW bias (b)                62.046      62.046
```

```
## rho (h/b)                    0.583       0.583
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.188     0.118    -1.590     0.112    [-0.420 , 0.044]
##         Robust         -         -    -1.179     0.238    [-0.458 , 0.114]
## ===============================================================================
## Point 193 of 264
## Minimum treated distance is  1.444954
## There are 166 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.75646
## There are 98 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            288         785
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 38.747      38.747
## BW bias (b)                 67.013      67.013
## rho (h/b)                    0.578       0.578
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            288         785
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 38.747      38.747
## BW bias (b)                 67.013      67.013
## rho (h/b)                    0.578       0.578
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.219     0.108    -2.029     0.042    [-0.431 , -0.007]
##         Robust         -         -    -1.458     0.145    [-0.450 , 0.066]
## ===============================================================================
## Point 194 of 264
```

```
## Minimum treated distance is  2.38926
## There are 164 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.7872924
## There are 100 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            266         646
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 36.567      36.567
## BW bias (b)                 63.454      63.454
## rho (h/b)                    0.576       0.576
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            266         646
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 36.567      36.567
## BW bias (b)                 63.454      63.454
## rho (h/b)                    0.576       0.576
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.215     0.110    -1.948     0.051    [-0.431 , 0.001]
##         Robust         -         -    -1.425     0.154    [-0.455 , 0.072]
## ===============================================================================
## Point 195 of 264
## Minimum treated distance is  1.151643
## There are 150 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.530298
## There are 101 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
```

```
## VCE method                      NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            268         686
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 37.118      37.118
## BW bias (b)                 63.139      63.139
## rho (h/b)                    0.588       0.588
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                      NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            268         686
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 37.118      37.118
## BW bias (b)                 63.139      63.139
## rho (h/b)                    0.588       0.588
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.208     0.109    -1.911     0.056    [-0.422 , 0.005]
##         Robust         -         -    -1.411     0.158    [-0.451 , 0.074]
## ===============================================================================
## Point 196 of 264
## Minimum treated distance is  2.028348
## There are 155 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.7574998
## There are 85 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                      NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            259         776
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 39.130      39.130
## BW bias (b)                 68.947      68.947
## rho (h/b)                    0.568       0.568
## Unique Obs.                   2720        3447
```

```
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            259         776
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 39.130      39.130
## BW bias (b)                 68.947      68.947
## rho (h/b)                    0.568       0.568
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.005     0.119     0.040     0.968    [-0.229 , 0.238]
##         Robust         -         -     0.227     0.820    [-0.252 , 0.318]
## ===============================================================================
## Point 197 of 264
## Minimum treated distance is  1.105927
## There are 192 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.954108
## There are 114 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            394         704
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 37.936      37.936
## BW bias (b)                 70.878      70.878
## rho (h/b)                    0.535       0.535
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            394         704
```

```
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 37.936      37.936
## BW bias (b)                 70.878      70.878
## rho (h/b)                    0.535       0.535
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.016     0.097     0.167     0.868    [-0.173 , 0.205]
##         Robust         -         -     0.063     0.950    [-0.222 , 0.237]
## ===============================================================================
## Point 198 of 264
## Minimum treated distance is  3.100218
## There are 209 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.036079
## There are 102 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            347         698
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 37.728      37.728
## BW bias (b)                 69.550      69.550
## rho (h/b)                    0.542       0.542
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            347         698
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 37.728      37.728
## BW bias (b)                 69.550      69.550
## rho (h/b)                    0.542       0.542
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
```

```
##   Conventional     0.035     0.099     0.349     0.727    [-0.160 , 0.229]
##         Robust         -         -     0.251     0.802    [-0.207 , 0.268]
## ================================================================================
## Point 199 of 264
## Minimum treated distance is  3.643057
## There are 198 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.189485
## There are 107 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            348         659
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 37.206      37.206
## BW bias (b)                 68.463      68.463
## rho (h/b)                    0.543       0.543
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            348         659
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 37.206      37.206
## BW bias (b)                 68.463      68.463
## rho (h/b)                    0.543       0.543
## Unique Obs.                   2720        3447
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional     0.056     0.095     0.590     0.555    [-0.130 , 0.242]
##         Robust         -         -     0.520     0.603    [-0.168 , 0.289]
## ================================================================================
## Point 200 of 264
## Minimum treated distance is  2.247906
## There are 137 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.1644367
## There are 112 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
```

```
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            239         612
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 35.515      35.515
## BW bias (b)                 62.149      62.149
## rho (h/b)                    0.571       0.571
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            239         612
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 35.515      35.515
## BW bias (b)                 62.149      62.149
## rho (h/b)                    0.571       0.571
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.142     0.122    -1.163     0.245    [-0.380 , 0.097]
##         Robust         -         -    -0.828     0.407    [-0.416 , 0.169]
## ===============================================================================
## Point 201 of 264
## Minimum treated distance is  1.105004
## There are 142 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.122717
## There are 98 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            240         715
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
```

```
## BW est. (h)                 37.331      37.331
## BW bias (b)                 64.730      64.730
## rho (h/b)                    0.577       0.577
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            240         715
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 37.331      37.331
## BW bias (b)                 64.730      64.730
## rho (h/b)                    0.577       0.577
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.138     0.114    -1.206     0.228    [-0.362 , 0.086]
##         Robust         -         -    -0.873     0.382    [-0.402 , 0.154]
## ===============================================================================
## Point 202 of 264
## Minimum treated distance is  1.75376
## There are 145 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.674491
## There are 104 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            227         595
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 34.656      34.656
## BW bias (b)                 60.658      60.658
## rho (h/b)                    0.571       0.571
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
```

```
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             227         595
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  34.656      34.656
## BW bias (b)                  60.658      60.658
## rho (h/b)                     0.571       0.571
## Unique Obs.                    2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.158     0.116    -1.362     0.173    [-0.386 , 0.070]
##         Robust         -         -    -1.007     0.314    [-0.423 , 0.136]
## ===============================================================================
## Point 203 of 264
## Minimum treated distance is  2.249384
## There are 160 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.109056
## There are 94 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             213         596
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  34.325      34.325
## BW bias (b)                  60.226      60.226
## rho (h/b)                     0.570       0.570
## Unique Obs.                    2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             213         596
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  34.325      34.325
## BW bias (b)                  60.226      60.226
## rho (h/b)                     0.570       0.570
## Unique Obs.                    2720        3447
```

```
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.173     0.112    -1.540     0.123    [-0.394 , 0.047]
##         Robust         -         -    -1.158     0.247    [-0.430 , 0.111]
## ===============================================================================
## Point 204 of 264
## Minimum treated distance is  2.611334
## There are 166 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.351582
## There are 79 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            239         759
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 38.258      38.258
## BW bias (b)                 67.943      67.943
## rho (h/b)                    0.563       0.563
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            239         759
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 38.258      38.258
## BW bias (b)                 67.943      67.943
## rho (h/b)                    0.563       0.563
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.004     0.116    -0.031     0.975    [-0.232 , 0.224]
##         Robust         -         -     0.168     0.866    [-0.253 , 0.301]
## ===============================================================================
## Point 205 of 264
## Minimum treated distance is  2.277982
## There are 181 Tr observations with positive weights out of 4477 Tr obs
```

```
## Minimum control distance is  1.365945
## There are 73 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            237         799
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 38.918      38.918
## BW bias (b)                 68.603      68.603
## rho (h/b)                    0.567       0.567
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            237         799
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 38.918      38.918
## BW bias (b)                 68.603      68.603
## rho (h/b)                    0.567       0.567
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.019     0.118    -0.159     0.873    [-0.249 , 0.212]
##         Robust         -         -     0.052     0.959    [-0.274 , 0.289]
## ===============================================================================
## Point 206 of 264
## Minimum treated distance is  2.374474
## There are 231 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.376114
## There are 93 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
```

```
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             320         684
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  35.668      35.668
## BW bias (b)                  69.956      69.956
## rho (h/b)                     0.510       0.510
## Unique Obs.                    2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             320         684
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  35.668      35.668
## BW bias (b)                  69.956      69.956
## rho (h/b)                     0.510       0.510
## Unique Obs.                    2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.019     0.110    -0.176     0.860    [-0.236 , 0.197]
##         Robust         -         -    -0.323     0.747    [-0.297 , 0.213]
## ===============================================================================
## Point 207 of 264
## Minimum treated distance is  3.03714
## There are 242 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.339185
## There are 82 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             301         666
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  34.976      34.976
## BW bias (b)                  69.786      69.786
## rho (h/b)                     0.501       0.501
## Unique Obs.                    2720        3447
##
## Call: rdrobust
```

```
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            301         666
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 34.976      34.976
## BW bias (b)                 69.786      69.786
## rho (h/b)                    0.501       0.501
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.029     0.120    -0.240     0.810    [-0.264 , 0.207]
##         Robust         -         -    -0.410     0.682    [-0.334 , 0.219]
## ===============================================================================
## Point 208 of 264
## Minimum treated distance is  2.940651
## There are 224 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.09841
## There are 93 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            323         687
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 36.500      36.500
## BW bias (b)                 69.872      69.872
## rho (h/b)                    0.522       0.522
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            323         687
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
```

```
## BW est. (h)                 36.500      36.500
## BW bias (b)                 69.872      69.872
## rho (h/b)                    0.522       0.522
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.007     0.104     0.069     0.945    [-0.196 , 0.210]
##         Robust         -         -    -0.075     0.940    [-0.253 , 0.234]
## ===============================================================================
## Point 209 of 264
## Minimum treated distance is  2.094562
## There are 159 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.581572
## There are 81 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            251         899
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 40.302      40.302
## BW bias (b)                 68.648      68.648
## rho (h/b)                    0.587       0.587
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            251         899
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 40.302      40.302
## BW bias (b)                 68.648      68.648
## rho (h/b)                    0.587       0.587
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.154     0.114    -1.349     0.177    [-0.378 , 0.070]
##         Robust         -         -    -0.978     0.328    [-0.418 , 0.140]
```

```
## ===============================================================================
## Point 210 of 264
## Minimum treated distance is  2.445192
## There are 168 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.900716
## There are 78 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            243         902
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 40.172      40.172
## BW bias (b)                 69.099      69.099
## rho (h/b)                    0.581       0.581
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            243         902
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 40.172      40.172
## BW bias (b)                 69.099      69.099
## rho (h/b)                    0.581       0.581
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.149     0.118    -1.267     0.205    [-0.380 , 0.082]
##         Robust         -         -    -0.916     0.360    [-0.423 , 0.154]
## ===============================================================================
## Point 211 of 264
## Minimum treated distance is  1.950805
## There are 176 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.371594
## There are 70 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
```

```
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           244         957
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                40.982      40.982
## BW bias (b)                70.235      70.235
## rho (h/b)                   0.584       0.584
## Unique Obs.                  2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           244         957
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                40.982      40.982
## BW bias (b)                70.235      70.235
## rho (h/b)                   0.584       0.584
## Unique Obs.                  2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.146     0.121    -1.201     0.230    [-0.384 , 0.092]
##         Robust         -         -    -0.848     0.396    [-0.426 , 0.168]
## ===============================================================================
## Point 212 of 264
## Minimum treated distance is  4.075774
## There are 183 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.8456944
## There are 115 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           369         675
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                38.313      38.313
## BW bias (b)                70.310      70.310
```

```
## rho (h/b)                    0.545       0.545
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            369         675
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 38.313      38.313
## BW bias (b)                 70.310      70.310
## rho (h/b)                    0.545       0.545
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.069     0.097     0.711     0.477    [-0.121 , 0.259]
##         Robust         -         -     0.673     0.501    [-0.153 , 0.314]
## ===============================================================================
## Point 213 of 264
## Minimum treated distance is  3.262764
## There are 170 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.437783
## There are 115 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            363         651
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 38.196      38.196
## BW bias (b)                 72.497      72.497
## rho (h/b)                    0.527       0.527
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
```

```
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             363         651
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  38.196      38.196
## BW bias (b)                  72.497      72.497
## rho (h/b)                     0.527       0.527
## Unique Obs.                    2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.089     0.096     0.932     0.352    [-0.099 , 0.277]
##         Robust         -         -     0.914     0.361    [-0.123 , 0.337]
## ===============================================================================
## Point 214 of 264
## Minimum treated distance is  1.936331
## There are 191 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.001721
## There are 67 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             233         846
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  39.494      39.494
## BW bias (b)                  69.035      69.035
## rho (h/b)                     0.572       0.572
## Unique Obs.                    2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             233         846
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  39.494      39.494
## BW bias (b)                  69.035      69.035
## rho (h/b)                     0.572       0.572
## Unique Obs.                    2720        3447
##
## ===============================================================================
```

```
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.029     0.123    -0.232     0.816    [-0.270 , 0.213]
##         Robust         -         -    -0.019     0.984    [-0.299 , 0.293]
## ================================================================================
## Point 215 of 264
## Minimum treated distance is  2.034248
## There are 188 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.6636541
## There are 62 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            233         886
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 40.296      40.296
## BW bias (b)                 69.656      69.656
## rho (h/b)                    0.579       0.579
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            233         886
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 40.296      40.296
## BW bias (b)                 69.656      69.656
## rho (h/b)                    0.579       0.579
## Unique Obs.                   2720        3447
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.037     0.125    -0.298     0.766    [-0.283 , 0.208]
##         Robust         -         -    -0.074     0.941    [-0.314 , 0.291]
## ================================================================================
## Point 216 of 264
## Minimum treated distance is  1.570597
## There are 180 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.7135965
## There are 63 Co observations with positive weights out of 2995 Co obs
```

```
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            237         910
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 40.560      40.560
## BW bias (b)                 69.861      69.861
## rho (h/b)                    0.581       0.581
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            237         910
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 40.560      40.560
## BW bias (b)                 69.861      69.861
## rho (h/b)                    0.581       0.581
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.046     0.120    -0.381     0.704    [-0.281 , 0.190]
##         Robust         -         -    -0.130     0.896    [-0.309 , 0.270]
## ===============================================================================
## Point 217 of 264
## Minimum treated distance is  1.49441
## There are 189 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.10814
## There are 63 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            245         976
```

```
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.629      41.629
## BW bias (b)                 71.341      71.341
## rho (h/b)                    0.584       0.584
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            245         976
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.629      41.629
## BW bias (b)                 71.341      71.341
## rho (h/b)                    0.584       0.584
## Unique Obs.                   2720        3447
##
## ============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ============================================================================
##   Conventional    -0.063     0.116    -0.542     0.588    [-0.291 , 0.165]
##         Robust         -         -    -0.265     0.791    [-0.319 , 0.243]
## ============================================================================
## Point 218 of 264
## Minimum treated distance is  2.312042
## There are 203 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.666584
## There are 59 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            233         977
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.224      41.224
## BW bias (b)                 71.450      71.450
## rho (h/b)                    0.577       0.577
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
```

```
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           233         977
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                41.224      41.224
## BW bias (b)                71.450      71.450
## rho (h/b)                   0.577       0.577
## Unique Obs.                  2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.087     0.116    -0.751     0.453    [-0.315 , 0.140]
##         Robust         -         -    -0.444     0.657    [-0.345 , 0.218]
## ===============================================================================
## Point 219 of 264
## Minimum treated distance is  2.79377
## There are 203 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.981326
## There are 59 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           239        1001
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                41.721      41.721
## BW bias (b)                71.554      71.554
## rho (h/b)                   0.583       0.583
## Unique Obs.                  2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           239        1001
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                41.721      41.721
## BW bias (b)                71.554      71.554
```

```
## rho (h/b)                    0.583       0.583
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.093     0.120    -0.772     0.440    [-0.329 , 0.143]
##         Robust         -         -    -0.464     0.643    [-0.362 , 0.223]
## ===============================================================================
## Point 220 of 264
## Minimum treated distance is  3.118063
## There are 200 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.16854
## There are 62 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            239        1000
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.765      41.765
## BW bias (b)                 71.551      71.551
## rho (h/b)                    0.584       0.584
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            239        1000
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.765      41.765
## BW bias (b)                 71.551      71.551
## rho (h/b)                    0.584       0.584
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.096     0.120    -0.802     0.422    [-0.331 , 0.139]
##         Robust         -         -    -0.491     0.624    [-0.365 , 0.219]
## ===============================================================================
## Point 221 of 264
```

```
## Minimum treated distance is  2.139087
## There are 185 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  3.547531
## There are 68 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            216         903
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 39.501      39.501
## BW bias (b)                 68.895      68.895
## rho (h/b)                    0.573       0.573
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            216         903
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 39.501      39.501
## BW bias (b)                 68.895      68.895
## rho (h/b)                    0.573       0.573
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.148     0.129    -1.151     0.250    [-0.401 , 0.104]
##         Robust         -         -    -0.828     0.408    [-0.449 , 0.182]
## ===============================================================================
## Point 222 of 264
## Minimum treated distance is  2.743114
## There are 202 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.304134
## There are 62 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
```

```
## VCE method                      NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            249        1072
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 43.045      43.045
## BW bias (b)                 72.468      72.468
## rho (h/b)                    0.594       0.594
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                      NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            249        1072
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 43.045      43.045
## BW bias (b)                 72.468      72.468
## rho (h/b)                    0.594       0.594
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.097     0.127    -0.761     0.447    [-0.346 , 0.153]
##         Robust         -         -    -0.458     0.647    [-0.386 , 0.239]
## ===============================================================================
## Point 223 of 264
## Minimum treated distance is  1.807571
## There are 213 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.848551
## There are 59 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                      NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            227        1001
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.469      41.469
## BW bias (b)                 70.921      70.921
## rho (h/b)                    0.585       0.585
## Unique Obs.                   2720        3447
```

```
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            227        1001
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.469      41.469
## BW bias (b)                 70.921      70.921
## rho (h/b)                    0.585       0.585
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.114     0.137    -0.835     0.404    [-0.381 , 0.154]
##         Robust         -         -    -0.538     0.591    [-0.426 , 0.242]
## ===============================================================================
## Point 224 of 264
## Minimum treated distance is  2.891669
## There are 190 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.772619
## There are 63 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            248        1100
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 43.473      43.473
## BW bias (b)                 74.128      74.128
## rho (h/b)                    0.586       0.586
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            248        1100
```

```
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                43.473      43.473
## BW bias (b)                74.128      74.128
## rho (h/b)                   0.586       0.586
## Unique Obs.                  2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.125     0.129    -0.972     0.331    [-0.377 , 0.127]
##         Robust         -         -    -0.621     0.535    [-0.415 , 0.215]
## ===============================================================================
## Point 225 of 264
## Minimum treated distance is  3.315101
## There are 180 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.768726
## There are 63 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           210         905
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                39.420      39.420
## BW bias (b)                69.076      69.076
## rho (h/b)                   0.571       0.571
## Unique Obs.                  2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           210         905
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                39.420      39.420
## BW bias (b)                69.076      69.076
## rho (h/b)                   0.571       0.571
## Unique Obs.                  2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
```

```
##   Conventional    -0.142     0.126    -1.126     0.260    [-0.389 , 0.105]
##         Robust         -         -    -0.802     0.423    [-0.434 , 0.182]
## ================================================================================
## Point 226 of 264
## Minimum treated distance is  2.639569
## There are 163 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.967045
## There are 105 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            337         620
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 37.313      37.313
## BW bias (b)                 69.307      69.307
## rho (h/b)                    0.538       0.538
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            337         620
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 37.313      37.313
## BW bias (b)                 69.307      69.307
## rho (h/b)                    0.538       0.538
## Unique Obs.                   2720        3447
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional     0.079     0.099     0.794     0.427    [-0.115 , 0.273]
##         Robust         -         -     0.788     0.431    [-0.142 , 0.333]
## ================================================================================
## Point 227 of 264
## Minimum treated distance is  10.72725
## There are 24 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.103325
## There are 144 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
```

```
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            667         504
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 47.775      47.775
## BW bias (b)                 92.628      92.628
## rho (h/b)                    0.516       0.516
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            667         504
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 47.775      47.775
## BW bias (b)                 92.628      92.628
## rho (h/b)                    0.516       0.516
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.043     0.096     0.447     0.655    [-0.145 , 0.230]
##         Robust         -         -     0.506     0.613    [-0.170 , 0.289]
## ===============================================================================
## Point 228 of 264
## Minimum treated distance is  9.241753
## There are 28 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.306612
## There are 130 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            653         553
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
```

```
## BW est. (h)                 48.063      48.063
## BW bias (b)                 90.920      90.920
## rho (h/b)                    0.529       0.529
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            653         553
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 48.063      48.063
## BW bias (b)                 90.920      90.920
## rho (h/b)                    0.529       0.529
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.051     0.093     0.548     0.584    [-0.132 , 0.234]
##         Robust         -         -     0.579     0.562    [-0.159 , 0.292]
## ===============================================================================
## Point 229 of 264
## Minimum treated distance is  1.506796
## There are 188 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.161192
## There are 91 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            302         629
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 36.610      36.610
## BW bias (b)                 66.874      66.874
## rho (h/b)                    0.547       0.547
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
```

```
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             302         629
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  36.610      36.610
## BW bias (b)                  66.874      66.874
## rho (h/b)                     0.547       0.547
## Unique Obs.                    2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.046     0.095     0.487     0.627    [-0.140 , 0.233]
##         Robust         -         -     0.415     0.678    [-0.180 , 0.277]
## ===============================================================================
## Point 230 of 264
## Minimum treated distance is  9.199009
## There are 24 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  3.009719
## There are 129 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             678         550
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  50.622      50.622
## BW bias (b)                  93.419      93.419
## rho (h/b)                     0.542       0.542
## Unique Obs.                    2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             678         550
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  50.622      50.622
## BW bias (b)                  93.419      93.419
## rho (h/b)                     0.542       0.542
## Unique Obs.                    2720        3447
```

```
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional     0.017     0.093     0.183     0.855    [-0.165 , 0.199]
##         Robust         -         -     0.213     0.831    [-0.203 , 0.253]
## ================================================================================
## Point 231 of 264
## Minimum treated distance is  3.057509
## There are 201 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.518142
## There are 79 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            250         586
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 34.795      34.795
## BW bias (b)                 66.136      66.136
## rho (h/b)                    0.526       0.526
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            250         586
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 34.795      34.795
## BW bias (b)                 66.136      66.136
## rho (h/b)                    0.526       0.526
## Unique Obs.                   2720        3447
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.001     0.109    -0.008     0.994    [-0.215 , 0.213]
##         Robust         -         -    -0.171     0.864    [-0.278 , 0.233]
## ================================================================================
## Point 232 of 264
## Minimum treated distance is  2.821039
## There are 192 Tr observations with positive weights out of 4477 Tr obs
```

```
## Minimum control distance is  1.678164
## There are 75 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            217         563
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 33.979      33.979
## BW bias (b)                 67.322      67.322
## rho (h/b)                    0.505       0.505
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            217         563
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 33.979      33.979
## BW bias (b)                 67.322      67.322
## rho (h/b)                    0.505       0.505
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.030     0.104    -0.289     0.773    [-0.233 , 0.173]
##         Robust         -         -    -0.452     0.651    [-0.293 , 0.183]
## ===============================================================================
## Point 233 of 264
## Minimum treated distance is  6.096555
## There are 52 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.46995
## There are 119 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
```

```
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             622         674
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  48.580      48.580
## BW bias (b)                  88.350      88.350
## rho (h/b)                     0.550       0.550
## Unique Obs.                    2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             622         674
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  48.580      48.580
## BW bias (b)                  88.350      88.350
## rho (h/b)                     0.550       0.550
## Unique Obs.                    2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.059     0.088     0.672     0.502    [-0.114 , 0.233]
##         Robust         -         -     0.637     0.524    [-0.145 , 0.285]
## ===============================================================================
## Point 234 of 264
## Minimum treated distance is  2.460754
## There are 74 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.176627
## There are 109 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             574         732
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  46.996      46.996
## BW bias (b)                  83.049      83.049
## rho (h/b)                     0.566       0.566
## Unique Obs.                    2720        3447
##
## Call: rdrobust
```

```
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            574         732
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 46.996      46.996
## BW bias (b)                 83.049      83.049
## rho (h/b)                    0.566       0.566
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.053     0.091     0.581     0.561    [-0.126 , 0.232]
##         Robust         -         -     0.510     0.610    [-0.165 , 0.281]
## ===============================================================================
## Point 235 of 264
## Minimum treated distance is  2.952384
## There are 114 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.396232
## There are 98 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            453         705
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 42.549      42.549
## BW bias (b)                 75.021      75.021
## rho (h/b)                    0.567       0.567
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            453         705
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
```

```
## BW est. (h)                 42.549      42.549
## BW bias (b)                 75.021      75.021
## rho (h/b)                    0.567       0.567
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.020     0.090     0.223     0.823    [-0.156 , 0.196]
##         Robust         -         -     0.176     0.861    [-0.198 , 0.237]
## ===============================================================================
## Point 236 of 264
## Minimum treated distance is  3.037062
## There are 194 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.497642
## There are 73 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            289         689
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 38.574      38.574
## BW bias (b)                 71.641      71.641
## rho (h/b)                    0.538       0.538
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            289         689
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 38.574      38.574
## BW bias (b)                 71.641      71.641
## rho (h/b)                    0.538       0.538
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.034     0.111    -0.310     0.757    [-0.252 , 0.184]
##         Robust         -         -    -0.442     0.659    [-0.318 , 0.201]
```

```
## ===============================================================================
## Point 237 of 264
## Minimum treated distance is  1.990784
## There are 162 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.9978224
## There are 79 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            366         735
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.178      41.178
## BW bias (b)                 73.999      73.999
## rho (h/b)                    0.556       0.556
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            366         735
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.178      41.178
## BW bias (b)                 73.999      73.999
## rho (h/b)                    0.556       0.556
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.019     0.096    -0.202     0.840    [-0.207 , 0.169]
##         Robust         -         -    -0.296     0.768    [-0.262 , 0.194]
## ===============================================================================
## Point 238 of 264
## Minimum treated distance is  1.576222
## There are 85 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.8193817
## There are 98 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
```

```
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           551         735
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                46.426      46.426
## BW bias (b)                81.274      81.274
## rho (h/b)                   0.571       0.571
## Unique Obs.                  2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           551         735
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                46.426      46.426
## BW bias (b)                81.274      81.274
## rho (h/b)                   0.571       0.571
## Unique Obs.                  2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.043     0.090     0.475     0.635    [-0.134 , 0.220]
##         Robust         -         -     0.395     0.693    [-0.177 , 0.266]
## ===============================================================================
## Point 239 of 264
## Minimum treated distance is  1.141843
## There are 107 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.564278
## There are 83 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           517         759
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                45.965      45.965
## BW bias (b)                78.947      78.947
```

```
## rho (h/b)                    0.582       0.582
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            517         759
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.965      45.965
## BW bias (b)                 78.947      78.947
## rho (h/b)                    0.582       0.582
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.023     0.090     0.254     0.799    [-0.153 , 0.199]
##         Robust         -         -     0.140     0.889    [-0.204 , 0.235]
## ===============================================================================
## Point 240 of 264
## Minimum treated distance is  0.9294689
## There are 92 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.8718363
## There are 95 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            546         768
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 47.062      47.062
## BW bias (b)                 81.102      81.102
## rho (h/b)                    0.580       0.580
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
```

```
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             546         768
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  47.062      47.062
## BW bias (b)                  81.102      81.102
## rho (h/b)                     0.580       0.580
## Unique Obs.                    2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.038     0.091     0.417     0.677    [-0.141 , 0.217]
##         Robust         -         -     0.320     0.749    [-0.188 , 0.261]
## ===============================================================================
## Point 241 of 264
## Minimum treated distance is  0.9892266
## There are 102 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.554227
## There are 87 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             521         753
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  46.082      46.082
## BW bias (b)                  79.420      79.420
## rho (h/b)                     0.580       0.580
## Unique Obs.                    2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             521         753
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  46.082      46.082
## BW bias (b)                  79.420      79.420
## rho (h/b)                     0.580       0.580
## Unique Obs.                    2720        3447
##
## ===============================================================================
```

```
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional     0.026     0.092     0.283     0.777    [-0.154 , 0.206]
##         Robust         -         -     0.176     0.861    [-0.204 , 0.245]
## ================================================================================
## Point 242 of 264
## Minimum treated distance is  1.353772
## There are 112 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.6702041
## There are 91 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            501         751
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.955      44.955
## BW bias (b)                 77.513      77.513
## rho (h/b)                    0.580       0.580
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            501         751
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.955      44.955
## BW bias (b)                 77.513      77.513
## rho (h/b)                    0.580       0.580
## Unique Obs.                   2720        3447
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional     0.023     0.091     0.249     0.804    [-0.157 , 0.202]
##         Robust         -         -     0.170     0.865    [-0.204 , 0.243]
## ================================================================================
## Point 243 of 264
## Minimum treated distance is  7.41361
## There are 26 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.323748
## There are 119 Co observations with positive weights out of 2995 Co obs
```

```
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            658         545
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 50.783      50.783
## BW bias (b)                 92.320      92.320
## rho (h/b)                    0.550       0.550
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            658         545
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 50.783      50.783
## BW bias (b)                 92.320      92.320
## rho (h/b)                    0.550       0.550
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.004     0.092    -0.046     0.964    [-0.184 , 0.175]
##         Robust         -         -    -0.054     0.957    [-0.231 , 0.219]
## ===============================================================================
## Point 244 of 264
## Minimum treated distance is  6.241445
## There are 29 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.807784
## There are 109 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            613         509
```

```
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.137      49.137
## BW bias (b)                 89.141      89.141
## rho (h/b)                    0.551       0.551
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            613         509
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.137      49.137
## BW bias (b)                 89.141      89.141
## rho (h/b)                    0.551       0.551
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.012     0.092    -0.131     0.896    [-0.192 , 0.168]
##         Robust         -         -    -0.139     0.889    [-0.242 , 0.210]
## ===============================================================================
## Point 245 of 264
## Minimum treated distance is  1.553364
## There are 125 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.8372645
## There are 87 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            468         760
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.255      44.255
## BW bias (b)                 76.284      76.284
## rho (h/b)                    0.580       0.580
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
```

```
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           468         760
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                44.255      44.255
## BW bias (b)                76.284      76.284
## rho (h/b)                   0.580       0.580
## Unique Obs.                 2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.005     0.094     0.054     0.957    [-0.179 , 0.189]
##         Robust         -         -    -0.043     0.965    [-0.233 , 0.223]
## ===============================================================================
## Point 246 of 264
## Minimum treated distance is  1.808081
## There are 151 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.060481
## There are 80 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           386         718
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                41.496      41.496
## BW bias (b)                73.590      73.590
## rho (h/b)                   0.564       0.564
## Unique Obs.                 2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           386         718
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                41.496      41.496
## BW bias (b)                73.590      73.590
```

```
## rho (h/b)                    0.564       0.564
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.023     0.097    -0.241     0.809    [-0.213 , 0.167]
##         Robust         -         -    -0.340     0.734    [-0.271 , 0.191]
## ===============================================================================
## Point 247 of 264
## Minimum treated distance is  2.003773
## There are 143 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.8919879
## There are 79 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            403         731
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 42.274      42.274
## BW bias (b)                 74.961      74.961
## rho (h/b)                    0.564       0.564
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            403         731
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 42.274      42.274
## BW bias (b)                 74.961      74.961
## rho (h/b)                    0.564       0.564
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.024     0.095    -0.253     0.800    [-0.210 , 0.162]
##         Robust         -         -    -0.359     0.720    [-0.268 , 0.185]
## ===============================================================================
## Point 248 of 264
```

```
## Minimum treated distance is  2.368368
## There are 36 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  3.885236
## There are 81 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            517         474
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 46.300      46.300
## BW bias (b)                 86.253      86.253
## rho (h/b)                    0.537       0.537
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            517         474
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 46.300      46.300
## BW bias (b)                 86.253      86.253
## rho (h/b)                    0.537       0.537
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.006     0.096    -0.060     0.952    [-0.193 , 0.182]
##         Robust         -         -    -0.161     0.872    [-0.252 , 0.213]
## ===============================================================================
## Point 249 of 264
## Minimum treated distance is  3.432361
## There are 24 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.782977
## There are 108 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
```

```
## VCE method                      NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            536         376
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 47.341      47.341
## BW bias (b)                 89.074      89.074
## rho (h/b)                    0.531       0.531
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                      NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            536         376
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 47.341      47.341
## BW bias (b)                 89.074      89.074
## rho (h/b)                    0.531       0.531
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.109     0.113    -0.966     0.334    [-0.331 , 0.113]
##         Robust         -         -    -0.969     0.333    [-0.403 , 0.136]
## ===============================================================================
## Point 250 of 264
## Minimum treated distance is  2.52529
## There are 34 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.842352
## There are 85 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                      NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            489         408
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.427      45.427
## BW bias (b)                 85.412      85.412
## rho (h/b)                    0.532       0.532
## Unique Obs.                   2720        3447
```

```
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            489         408
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.427      45.427
## BW bias (b)                 85.412      85.412
## rho (h/b)                    0.532       0.532
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.047     0.106    -0.443     0.658    [-0.255 , 0.161]
##         Robust         -         -    -0.505     0.614    [-0.321 , 0.189]
## ===============================================================================
## Point 251 of 264
## Minimum treated distance is  2.34118
## There are 57 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  5.938389
## There are 68 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            440         428
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 43.941      43.941
## BW bias (b)                 84.686      84.686
## rho (h/b)                    0.519       0.519
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            440         428
```

```
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                43.941      43.941
## BW bias (b)                84.686      84.686
## rho (h/b)                   0.519       0.519
## Unique Obs.                  2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.009     0.103    -0.090     0.928    [-0.212 , 0.193]
##         Robust         -         -    -0.203     0.839    [-0.274 , 0.222]
## ===============================================================================
## Point 252 of 264
## Minimum treated distance is  3.310237
## There are 16 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.009346
## There are 113 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           509         250
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                46.817      46.817
## BW bias (b)                89.430      89.430
## rho (h/b)                   0.524       0.524
## Unique Obs.                  2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           509         250
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                46.817      46.817
## BW bias (b)                89.430      89.430
## rho (h/b)                   0.524       0.524
## Unique Obs.                  2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
```

```
##   Conventional    -0.193     0.130    -1.476     0.140    [-0.448 , 0.063]
##         Robust         -         -    -1.443     0.149    [-0.522 , 0.079]
## ================================================================================
## Point 253 of 264
## Minimum treated distance is  2.89503
## There are 19 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  3.329489
## There are 102 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            538         412
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 52.298      52.298
## BW bias (b)                 95.839      95.839
## rho (h/b)                    0.546       0.546
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            538         412
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 52.298      52.298
## BW bias (b)                 95.839      95.839
## rho (h/b)                    0.546       0.546
## Unique Obs.                   2720        3447
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.120     0.113    -1.057     0.291    [-0.342 , 0.103]
##         Robust         -         -    -1.047     0.295    [-0.416 , 0.126]
## ================================================================================
## Point 254 of 264
## Minimum treated distance is  2.710215
## There are 20 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.786664
## There are 105 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
```

```
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            579         561
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 58.117      58.117
## BW bias (b)                105.508     105.508
## rho (h/b)                    0.551       0.551
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            579         561
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 58.117      58.117
## BW bias (b)                105.508     105.508
## rho (h/b)                    0.551       0.551
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.069     0.101    -0.682     0.495    [-0.266 , 0.129]
##         Robust         -         -    -0.756     0.450    [-0.336 , 0.149]
## ===============================================================================
## Point 255 of 264
## Minimum treated distance is  3.040188
## There are 21 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.686289
## There are 98 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            630         643
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
```

```
## BW est. (h)                 62.507      62.507
## BW bias (b)                110.555     110.555
## rho (h/b)                    0.565       0.565
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            630         643
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 62.507      62.507
## BW bias (b)                110.555     110.555
## rho (h/b)                    0.565       0.565
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.058     0.094    -0.613     0.540    [-0.242 , 0.127]
##         Robust         -         -    -0.659     0.510    [-0.306 , 0.152]
## ===============================================================================
## Point 256 of 264
## Minimum treated distance is  3.092097
## There are 23 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.578687
## There are 88 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            602         661
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 62.327      62.327
## BW bias (b)                108.863     108.863
## rho (h/b)                    0.573       0.573
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
```

```
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             602         661
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  62.327      62.327
## BW bias (b)                 108.863     108.863
## rho (h/b)                     0.573       0.573
## Unique Obs.                    2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.047     0.091    -0.517     0.605    [-0.224 , 0.131]
##         Robust         -         -    -0.565     0.572    [-0.285 , 0.158]
## ===============================================================================
## Point 257 of 264
## Minimum treated distance is  2.605541
## There are 24 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.753248
## There are 82 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             601         699
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  63.662      63.662
## BW bias (b)                 109.537     109.537
## rho (h/b)                     0.581       0.581
## Unique Obs.                    2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             601         699
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  63.662      63.662
## BW bias (b)                 109.537     109.537
## rho (h/b)                     0.581       0.581
## Unique Obs.                    2720        3447
```

```
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.039     0.088    -0.447     0.655    [-0.211 , 0.133]
##         Robust         -         -    -0.470     0.638    [-0.269 , 0.165]
## ================================================================================
## Point 258 of 264
## Minimum treated distance is  3.124564
## There are 22 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.048544
## There are 77 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            627         778
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 66.585      66.585
## BW bias (b)                112.786     112.786
## rho (h/b)                    0.590       0.590
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            627         778
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 66.585      66.585
## BW bias (b)                112.786     112.786
## rho (h/b)                    0.590       0.590
## Unique Obs.                   2720        3447
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.037     0.084    -0.443     0.658    [-0.203 , 0.128]
##         Robust         -         -    -0.425     0.671    [-0.255 , 0.164]
## ================================================================================
## Point 259 of 264
## Minimum treated distance is  2.770014
## There are 26 Tr observations with positive weights out of 4477 Tr obs
```

```
## Minimum control distance is  2.218474
## There are 73 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            708        1030
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 72.673      72.673
## BW bias (b)                118.847     118.847
## rho (h/b)                    0.611       0.611
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            708        1030
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 72.673      72.673
## BW bias (b)                118.847     118.847
## rho (h/b)                    0.611       0.611
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.041     0.078    -0.528     0.597    [-0.194 , 0.112]
##         Robust         -         -    -0.456     0.648    [-0.245 , 0.153]
## ===============================================================================
## Point 260 of 264
## Minimum treated distance is  3.469759
## There are 28 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.229633
## There are 71 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
```

```
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             654         970
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  70.563      70.563
## BW bias (b)                 116.092     116.092
## rho (h/b)                     0.608       0.608
## Unique Obs.                    2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             654         970
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  70.563      70.563
## BW bias (b)                 116.092     116.092
## rho (h/b)                     0.608       0.608
## Unique Obs.                    2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.033     0.081    -0.411     0.681    [-0.192 , 0.125]
##         Robust         -         -    -0.360     0.719    [-0.243 , 0.168]
## ===============================================================================
## Point 261 of 264
## Minimum treated distance is  4.38731
## There are 26 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.452091
## There are 67 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             710        1110
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  75.368      75.368
## BW bias (b)                 122.293     122.293
## rho (h/b)                     0.616       0.616
## Unique Obs.                    2720        3447
##
## Call: rdrobust
```

```
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            710        1110
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 75.368      75.368
## BW bias (b)                122.293     122.293
## rho (h/b)                    0.616       0.616
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.040     0.075    -0.530     0.596    [-0.187 , 0.107]
##         Robust         -         -    -0.368     0.713    [-0.227 , 0.155]
## ===============================================================================
## Point 262 of 264
## Minimum treated distance is  4.060552
## There are 22 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.993896
## There are 64 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            710        1134
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 76.488      76.488
## BW bias (b)                124.574     124.574
## rho (h/b)                    0.614       0.614
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            710        1134
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
```

```
## BW est. (h)                 76.488      76.488
## BW bias (b)                124.574     124.574
## rho (h/b)                    0.614       0.614
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.040     0.075    -0.530     0.596    [-0.186 , 0.107]
##         Robust         -         -    -0.329     0.742    [-0.222 , 0.158]
## ===============================================================================
## Point 263 of 264
## Minimum treated distance is  4.104427
## There are 20 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.988317
## There are 63 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            707        1127
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 76.788      76.788
## BW bias (b)                125.705     125.705
## rho (h/b)                    0.611       0.611
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            707        1127
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 76.788      76.788
## BW bias (b)                125.705     125.705
## rho (h/b)                    0.611       0.611
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.038     0.074    -0.512     0.609    [-0.183 , 0.107]
##         Robust         -         -    -0.290     0.772    [-0.216 , 0.160]
```

```
## ===============================================================================
## Point 264 of 264
## Minimum treated distance is  4.0873
## There are 20 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.851835
## There are 63 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            682        1095
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 76.384      76.384
## BW bias (b)                125.628     125.628
## rho (h/b)                    0.608       0.608
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            682        1095
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 76.384      76.384
## BW bias (b)                125.628     125.628
## rho (h/b)                    0.608       0.608
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.035     0.076    -0.455     0.649    [-0.183 , 0.114]
##         Robust         -         -    -0.230     0.818    [-0.215 , 0.170]
## ===============================================================================
##
##
##
## ---------------------------------------------------
## Final results -- Outcome health_binary
##     Point Estimate Conv-CIl Conv-CIu hfix Ntr-hfix Nco-hfix Rob-CIl Rob-CIu
## 1       1     0.10    -0.09     0.29   20       44       68   -0.09    0.40
## 2       2     0.09    -0.08     0.27   20       42       74   -0.08    0.37
## 3       3     0.09    -0.09     0.27   20       39       80   -0.10    0.37
```

```
## 4       4    -0.11    -0.26     0.03   20      133      202   -0.31    0.04
## 5       5    -0.10    -0.23     0.04   20      134      213   -0.28    0.05
## 6       6    -0.08    -0.21     0.05   20      132      207   -0.25    0.06
## 7       7     0.07    -0.11     0.26   20       42       83   -0.14    0.35
## 8       8     0.07    -0.12     0.25   20       47       80   -0.15    0.33
## 9       9     0.07    -0.11     0.24   20       63       64   -0.13    0.32
## 10     10     0.06    -0.12     0.24   20       66       60   -0.14    0.32
## 11     11     0.07    -0.11     0.24   20       60       71   -0.14    0.33
## 12     12     0.07    -0.12     0.25   20       51       74   -0.15    0.33
## 13     13     0.03    -0.14     0.21   20       79       59   -0.16    0.29
## 14     14     0.02    -0.19     0.23   20       88       57   -0.25    0.30
## 15     15    -0.12    -0.28     0.03   20      139      202   -0.33    0.03
## 16     16    -0.13    -0.29     0.02   20      139      194   -0.34    0.02
## 17     17    -0.14    -0.31     0.02   20      172      152   -0.37    0.03
## 18     18    -0.14    -0.31     0.02   20      170      157   -0.36    0.03
## 19     19    -0.13    -0.28     0.02   20      142      191   -0.33    0.03
## 20     20    -0.13    -0.29     0.02   20      153      182   -0.34    0.02
## 21     21    -0.14    -0.30     0.02   20      156      170   -0.36    0.02
## 22     22    -0.07    -0.20     0.05   20      140      202   -0.24    0.06
## 23     23    -0.06    -0.19     0.06   20      145      201   -0.23    0.08
## 24     24    -0.14    -0.31     0.02   20      159      165   -0.37    0.03
## 25     25    -0.14    -0.31     0.03   20      172      154   -0.37    0.03
## 26     26    -0.14    -0.27    -0.02   20      165      159   -0.30    0.01
## 27     27    -0.14    -0.25    -0.02   20      174      161   -0.28    0.01
## 28     28    -0.14    -0.29     0.01   20      169      162   -0.34    0.03
## 29     29    -0.14    -0.30     0.02   20      175      158   -0.36    0.03
## 30     30    -0.14    -0.25    -0.03   20      164      165   -0.28    0.00
## 31     31    -0.06    -0.19     0.07   20      145      199   -0.23    0.08
## 32     32    -0.06    -0.18     0.06   20      148      198   -0.22    0.07
## 33     33    -0.05    -0.17     0.08   20      153      196   -0.21    0.09
## 34     34     0.01    -0.22     0.24   20       96       57   -0.27    0.32
## 35     35    -0.04    -0.29     0.21   20      104       55   -0.37    0.26
## 36     36    -0.08    -0.35     0.19   20      113       53   -0.44    0.24
## 37     37    -0.08    -0.35     0.18   20      116       46   -0.43    0.22
## 38     38    -0.04    -0.17     0.08   20      153      197   -0.21    0.09
## 39     39    -0.04    -0.15     0.08   20      166      190   -0.19    0.09
## 40     40    -0.01    -0.13     0.10   20      179      180   -0.16    0.12
## 41     41     0.00    -0.13     0.12   20      189      171   -0.16    0.14
## 42     42    -0.15    -0.27    -0.03   20      184      142   -0.30   -0.01
## 43     43     0.01    -0.11     0.13   20      195      168   -0.14    0.15
## 44     44    -0.17    -0.29    -0.05   20      199      131   -0.33   -0.03
## 45     45    -0.20    -0.31    -0.08   20      191      137   -0.36   -0.06
## 46     46    -0.20    -0.31    -0.08   20      193      135   -0.36   -0.07
## 47     47    -0.14    -0.26    -0.02   20      193      137   -0.30    0.01
## 48     48    -0.14    -0.28     0.00   20      205      135   -0.34    0.01
## 49     49    -0.15    -0.28    -0.01   20      209      132   -0.33    0.00
## 50     50    -0.16    -0.29    -0.04   20      205      122   -0.33   -0.02
## 51     51    -0.15    -0.26    -0.03   20      195      137   -0.31   -0.01
## 52     52    -0.15    -0.27    -0.03   20      213      124   -0.32   -0.01
## 53     53    -0.16    -0.28    -0.04   20      216      118   -0.33   -0.02
## 54     54    -0.16    -0.27    -0.05   20      221      117   -0.31   -0.03
## 55     55    -0.17    -0.31    -0.04   20      176      147   -0.35   -0.01
## 56     56    -0.15    -0.31     0.01   20      161      152   -0.33    0.06
## 57     57     0.01    -0.11     0.13   20      202      162   -0.14    0.15
```

```
## 58     58     0.02    -0.10     0.14   20      205      158   -0.13    0.16
## 59     59     0.02    -0.09     0.14   20      211      153   -0.13    0.16
## 60     60    -0.09    -0.36     0.17   20      124       45   -0.44    0.21
## 61     61    -0.10    -0.37     0.17   20      123       45   -0.46    0.21
## 62     62    -0.11    -0.37     0.16   20      124       47   -0.45    0.19
## 63     63    -0.15    -0.31     0.02   20      160      151   -0.33    0.08
## 64     64    -0.13    -0.29     0.03   20      157      150   -0.30    0.09
## 65     65     0.04    -0.08     0.16   20      173      200   -0.11    0.18
## 66     66     0.04    -0.08     0.16   20      166      209   -0.11    0.19
## 67     67    -0.12    -0.42     0.17   20      132       49   -0.51    0.20
## 68     68    -0.17    -0.30    -0.04   20      212      123   -0.35   -0.03
## 69     69    -0.19    -0.31    -0.08   20      203      126   -0.36   -0.07
## 70     70    -0.18    -0.30    -0.05   20      215      123   -0.35   -0.04
## 71     71     0.03    -0.09     0.14   20      213      147   -0.12    0.17
## 72     72     0.03    -0.09     0.14   20      216      144   -0.12    0.17
## 73     73     0.02    -0.10     0.14   20      218      140   -0.13    0.16
## 74     74     0.02    -0.11     0.15   20      226      136   -0.15    0.17
## 75     75     0.02    -0.12     0.15   20      234      121   -0.16    0.17
## 76     76     0.01    -0.13     0.15   20      249      113   -0.18    0.18
## 77     77     0.03    -0.10     0.17   20      254      106   -0.14    0.20
## 78     78    -0.13    -0.31     0.05   20      157      151   -0.31    0.11
## 79     79    -0.13    -0.31     0.05   20      157      143   -0.32    0.12
## 80     80     0.04    -0.07     0.16   20      184      186   -0.10    0.19
## 81     81     0.06    -0.06     0.18   20      155      206   -0.09    0.21
## 82     82     0.05    -0.07     0.17   20      167      207   -0.10    0.20
## 83     83    -0.09    -0.34     0.17   20      136       68   -0.42    0.21
## 84     84    -0.07    -0.31     0.17   20      137       74   -0.39    0.22
## 85     85    -0.09    -0.36     0.17   20      142       62   -0.44    0.22
## 86     86    -0.09    -0.35     0.17   20      141       64   -0.43    0.20
## 87     87     0.05    -0.06     0.17   20      188      183   -0.09    0.20
## 88     88     0.07    -0.05     0.19   20      131      228   -0.08    0.23
## 89     89     0.07    -0.05     0.19   20      149      215   -0.07    0.22
## 90     90    -0.14    -0.31     0.03   20      172      138   -0.32    0.09
## 91     91    -0.14    -0.34     0.06   20      160      143   -0.34    0.13
## 92     92     0.07    -0.05     0.18   20      191      177   -0.08    0.22
## 93     93     0.07    -0.05     0.19   20      200      174   -0.07    0.22
## 94     94     0.08    -0.05     0.21   20      219      155   -0.07    0.25
## 95     95     0.06    -0.06     0.19   20      109      249   -0.09    0.22
## 96     96    -0.16    -0.31    -0.01   20      186      128   -0.33    0.04
## 97     97    -0.19    -0.32    -0.05   20      202      118   -0.36   -0.02
## 98     98    -0.17    -0.32    -0.02   20      199      117   -0.35    0.03
## 99     99    -0.19    -0.34    -0.05   20      209      114   -0.38   -0.01
## 100   100     0.07    -0.06     0.20   20      102      252   -0.08    0.24
## 101   101     0.08    -0.04     0.20   20      100      251   -0.06    0.24
## 102   102    -0.07    -0.31     0.17   20      143       75   -0.37    0.22
## 103   103    -0.06    -0.29     0.17   20      141       77   -0.35    0.22
## 104   104    -0.14    -0.45     0.18   20      146       48   -0.54    0.22
## 105   105    -0.11    -0.41     0.19   20      143       55   -0.50    0.24
## 106   106    -0.15    -0.31     0.01   20      181      134   -0.33    0.07
## 107   107    -0.15    -0.32     0.02   20      193      124   -0.34    0.08
## 108   108    -0.15    -0.33     0.03   20      182      132   -0.33    0.09
## 109   109    -0.05    -0.29     0.19   20      145       78   -0.35    0.24
## 110   110    -0.04    -0.27     0.19   20      122       88   -0.33    0.24
## 111   111    -0.05    -0.28     0.18   20      144       78   -0.34    0.23
```

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##  [ reached 'max' / getOption("max.print") -- omitted 153 rows ]
## ------------------------------------------------------
```

```
library(xtable)
xtable(finaltab)
```

```
## % latex table generated in R 4.0.3 by xtable 1.8-4 package
## % Fri Jun 16 14:56:54 2023
## \begin{table}[ht]
## \centering
## \begin{tabular}{rrrrrrrrrr}
##   \hline
##  & Point & Estimate & Conv-CIl & Conv-CIu & hfix & Ntr-hfix & Nco-hfix & Rob-CIl & Rob-CIu \\
##   \hline
## 1 &   1 & 0.10 & -0.09 & 0.29 & 20.00 &  44 &  68 & -0.09 & 0.40 \\
##   2 &   2 & 0.09 & -0.08 & 0.27 & 20.00 &  42 &  74 & -0.08 & 0.37 \\
##   3 &   3 & 0.09 & -0.09 & 0.27 & 20.00 &  39 &  80 & -0.10 & 0.37 \\
##   4 &   4 & -0.11 & -0.26 & 0.03 & 20.00 & 133 & 202 & -0.31 & 0.04 \\
##   5 &   5 & -0.10 & -0.23 & 0.04 & 20.00 & 134 & 213 & -0.28 & 0.05 \\
##   6 &   6 & -0.08 & -0.21 & 0.05 & 20.00 & 132 & 207 & -0.25 & 0.06 \\
##   7 &   7 & 0.07 & -0.11 & 0.26 & 20.00 &  42 &  83 & -0.14 & 0.35 \\
##   8 &   8 & 0.07 & -0.12 & 0.25 & 20.00 &  47 &  80 & -0.15 & 0.33 \\
##   9 &   9 & 0.07 & -0.11 & 0.24 & 20.00 &  63 &  64 & -0.13 & 0.32 \\
##   10 &  10 & 0.06 & -0.12 & 0.24 & 20.00 &  66 &  60 & -0.14 & 0.32 \\
##   11 &  11 & 0.07 & -0.11 & 0.24 & 20.00 &  60 &  71 & -0.14 & 0.33 \\
##   12 &  12 & 0.07 & -0.12 & 0.25 & 20.00 &  51 &  74 & -0.15 & 0.33 \\
##   13 &  13 & 0.03 & -0.14 & 0.21 & 20.00 &  79 &  59 & -0.16 & 0.29 \\
##   14 &  14 & 0.02 & -0.19 & 0.23 & 20.00 &  88 &  57 & -0.25 & 0.30 \\
##   15 &  15 & -0.12 & -0.28 & 0.03 & 20.00 & 139 & 202 & -0.33 & 0.03 \\
##   16 &  16 & -0.13 & -0.29 & 0.02 & 20.00 & 139 & 194 & -0.34 & 0.02 \\
##   17 &  17 & -0.14 & -0.31 & 0.02 & 20.00 & 172 & 152 & -0.37 & 0.03 \\
##   18 &  18 & -0.14 & -0.31 & 0.02 & 20.00 & 170 & 157 & -0.36 & 0.03 \\
##   19 &  19 & -0.13 & -0.28 & 0.02 & 20.00 & 142 & 191 & -0.33 & 0.03 \\
##   20 &  20 & -0.13 & -0.29 & 0.02 & 20.00 & 153 & 182 & -0.34 & 0.02 \\
##   21 &  21 & -0.14 & -0.30 & 0.02 & 20.00 & 156 & 170 & -0.36 & 0.02 \\
##   22 &  22 & -0.07 & -0.20 & 0.05 & 20.00 & 140 & 202 & -0.24 & 0.06 \\
##   23 &  23 & -0.06 & -0.19 & 0.06 & 20.00 & 145 & 201 & -0.23 & 0.08 \\
##   24 &  24 & -0.14 & -0.31 & 0.02 & 20.00 & 159 & 165 & -0.37 & 0.03 \\
##   25 &  25 & -0.14 & -0.31 & 0.03 & 20.00 & 172 & 154 & -0.37 & 0.03 \\
##   26 &  26 & -0.14 & -0.27 & -0.02 & 20.00 & 165 & 159 & -0.30 & 0.01 \\
##   27 &  27 & -0.14 & -0.25 & -0.02 & 20.00 & 174 & 161 & -0.28 & 0.01 \\
##   28 &  28 & -0.14 & -0.29 & 0.01 & 20.00 & 169 & 162 & -0.34 & 0.03 \\
##   29 &  29 & -0.14 & -0.30 & 0.02 & 20.00 & 175 & 158 & -0.36 & 0.03 \\
##   30 &  30 & -0.14 & -0.25 & -0.03 & 20.00 & 164 & 165 & -0.28 & -0.00 \\
##   31 &  31 & -0.06 & -0.19 & 0.07 & 20.00 & 145 & 199 & -0.23 & 0.08 \\
##   32 &  32 & -0.06 & -0.18 & 0.06 & 20.00 & 148 & 198 & -0.22 & 0.07 \\
##   33 &  33 & -0.05 & -0.17 & 0.08 & 20.00 & 153 & 196 & -0.21 & 0.09 \\
##   34 &  34 & 0.01 & -0.22 & 0.24 & 20.00 &  96 &  57 & -0.27 & 0.32 \\
##   35 &  35 & -0.04 & -0.29 & 0.21 & 20.00 & 104 &  55 & -0.37 & 0.26 \\
##   36 &  36 & -0.08 & -0.35 & 0.19 & 20.00 & 113 &  53 & -0.44 & 0.24 \\
##   37 &  37 & -0.08 & -0.35 & 0.18 & 20.00 & 116 &  46 & -0.43 & 0.22 \\
##   38 &  38 & -0.04 & -0.17 & 0.08 & 20.00 & 153 & 197 & -0.21 & 0.09 \\
##   39 &  39 & -0.04 & -0.15 & 0.08 & 20.00 & 166 & 190 & -0.19 & 0.09 \\
##   40 &  40 & -0.01 & -0.13 & 0.10 & 20.00 & 179 & 180 & -0.16 & 0.12 \\
##   41 &  41 & -0.00 & -0.13 & 0.12 & 20.00 & 189 & 171 & -0.16 & 0.14 \\
```

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##   42 &  42 & -0.15 & -0.27 & -0.03 & 20.00 & 184 & 142 & -0.30 & -0.01 \\
##   43 &  43 & 0.01 & -0.11 & 0.13 & 20.00 & 195 & 168 & -0.14 & 0.15 \\
##   44 &  44 & -0.17 & -0.29 & -0.05 & 20.00 & 199 & 131 & -0.33 & -0.03 \\
##   45 &  45 & -0.20 & -0.31 & -0.08 & 20.00 & 191 & 137 & -0.36 & -0.06 \\
##   46 &  46 & -0.20 & -0.31 & -0.08 & 20.00 & 193 & 135 & -0.36 & -0.07 \\
##   47 &  47 & -0.14 & -0.26 & -0.02 & 20.00 & 193 & 137 & -0.30 & 0.01 \\
##   48 &  48 & -0.14 & -0.28 & -0.00 & 20.00 & 205 & 135 & -0.34 & 0.01 \\
##   49 &  49 & -0.15 & -0.28 & -0.01 & 20.00 & 209 & 132 & -0.33 & 0.00 \\
##   50 &  50 & -0.16 & -0.29 & -0.04 & 20.00 & 205 & 122 & -0.33 & -0.02 \\
##   51 &  51 & -0.15 & -0.26 & -0.03 & 20.00 & 195 & 137 & -0.31 & -0.01 \\
##   52 &  52 & -0.15 & -0.27 & -0.03 & 20.00 & 213 & 124 & -0.32 & -0.01 \\
##   53 &  53 & -0.16 & -0.28 & -0.04 & 20.00 & 216 & 118 & -0.33 & -0.02 \\
##   54 &  54 & -0.16 & -0.27 & -0.05 & 20.00 & 221 & 117 & -0.31 & -0.03 \\
##   55 &  55 & -0.17 & -0.31 & -0.04 & 20.00 & 176 & 147 & -0.35 & -0.01 \\
##   56 &  56 & -0.15 & -0.31 & 0.01 & 20.00 & 161 & 152 & -0.33 & 0.06 \\
##   57 &  57 & 0.01 & -0.11 & 0.13 & 20.00 & 202 & 162 & -0.14 & 0.15 \\
##   58 &  58 & 0.02 & -0.10 & 0.14 & 20.00 & 205 & 158 & -0.13 & 0.16 \\
##   59 &  59 & 0.02 & -0.09 & 0.14 & 20.00 & 211 & 153 & -0.13 & 0.16 \\
##   60 &  60 & -0.09 & -0.36 & 0.17 & 20.00 & 124 &  45 & -0.44 & 0.21 \\
##   61 &  61 & -0.10 & -0.37 & 0.17 & 20.00 & 123 &  45 & -0.46 & 0.21 \\
##   62 &  62 & -0.11 & -0.37 & 0.16 & 20.00 & 124 &  47 & -0.45 & 0.19 \\
##   63 &  63 & -0.15 & -0.31 & 0.02 & 20.00 & 160 & 151 & -0.33 & 0.08 \\
##   64 &  64 & -0.13 & -0.29 & 0.03 & 20.00 & 157 & 150 & -0.30 & 0.09 \\
##   65 &  65 & 0.04 & -0.08 & 0.16 & 20.00 & 173 & 200 & -0.11 & 0.18 \\
##   66 &  66 & 0.04 & -0.08 & 0.16 & 20.00 & 166 & 209 & -0.11 & 0.19 \\
##   67 &  67 & -0.12 & -0.42 & 0.17 & 20.00 & 132 &  49 & -0.51 & 0.20 \\
##   68 &  68 & -0.17 & -0.30 & -0.04 & 20.00 & 212 & 123 & -0.35 & -0.03 \\
##   69 &  69 & -0.19 & -0.31 & -0.08 & 20.00 & 203 & 126 & -0.36 & -0.07 \\
##   70 &  70 & -0.18 & -0.30 & -0.05 & 20.00 & 215 & 123 & -0.35 & -0.04 \\
##   71 &  71 & 0.03 & -0.09 & 0.14 & 20.00 & 213 & 147 & -0.12 & 0.17 \\
##   72 &  72 & 0.03 & -0.09 & 0.14 & 20.00 & 216 & 144 & -0.12 & 0.17 \\
##   73 &  73 & 0.02 & -0.10 & 0.14 & 20.00 & 218 & 140 & -0.13 & 0.16 \\
##   74 &  74 & 0.02 & -0.11 & 0.15 & 20.00 & 226 & 136 & -0.15 & 0.17 \\
##   75 &  75 & 0.02 & -0.12 & 0.15 & 20.00 & 234 & 121 & -0.16 & 0.17 \\
##   76 &  76 & 0.01 & -0.13 & 0.15 & 20.00 & 249 & 113 & -0.18 & 0.18 \\
##   77 &  77 & 0.03 & -0.10 & 0.17 & 20.00 & 254 & 106 & -0.14 & 0.20 \\
##   78 &  78 & -0.13 & -0.31 & 0.05 & 20.00 & 157 & 151 & -0.31 & 0.11 \\
##   79 &  79 & -0.13 & -0.31 & 0.05 & 20.00 & 157 & 143 & -0.32 & 0.12 \\
##   80 &  80 & 0.04 & -0.07 & 0.16 & 20.00 & 184 & 186 & -0.10 & 0.19 \\
##   81 &  81 & 0.06 & -0.06 & 0.18 & 20.00 & 155 & 206 & -0.09 & 0.21 \\
##   82 &  82 & 0.05 & -0.07 & 0.17 & 20.00 & 167 & 207 & -0.10 & 0.20 \\
##   83 &  83 & -0.09 & -0.34 & 0.17 & 20.00 & 136 &  68 & -0.42 & 0.21 \\
##   84 &  84 & -0.07 & -0.31 & 0.17 & 20.00 & 137 &  74 & -0.39 & 0.22 \\
##   85 &  85 & -0.09 & -0.36 & 0.17 & 20.00 & 142 &  62 & -0.44 & 0.22 \\
##   86 &  86 & -0.09 & -0.35 & 0.17 & 20.00 & 141 &  64 & -0.43 & 0.20 \\
##   87 &  87 & 0.05 & -0.06 & 0.17 & 20.00 & 188 & 183 & -0.09 & 0.20 \\
##   88 &  88 & 0.07 & -0.05 & 0.19 & 20.00 & 131 & 228 & -0.08 & 0.23 \\
##   89 &  89 & 0.07 & -0.05 & 0.19 & 20.00 & 149 & 215 & -0.07 & 0.22 \\
##   90 &  90 & -0.14 & -0.31 & 0.03 & 20.00 & 172 & 138 & -0.32 & 0.09 \\
##   91 &  91 & -0.14 & -0.34 & 0.06 & 20.00 & 160 & 143 & -0.34 & 0.13 \\
##   92 &  92 & 0.07 & -0.05 & 0.18 & 20.00 & 191 & 177 & -0.08 & 0.22 \\
##   93 &  93 & 0.07 & -0.05 & 0.19 & 20.00 & 200 & 174 & -0.07 & 0.22 \\
##   94 &  94 & 0.08 & -0.05 & 0.21 & 20.00 & 219 & 155 & -0.07 & 0.25 \\
##   95 &  95 & 0.06 & -0.06 & 0.19 & 20.00 & 109 & 249 & -0.09 & 0.22 \\
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##   96 &  96 & -0.16 & -0.31 & -0.01 & 20.00 & 186 & 128 & -0.33 & 0.04 \\
##   97 &  97 & -0.19 & -0.32 & -0.05 & 20.00 & 202 & 118 & -0.36 & -0.02 \\
##   98 &  98 & -0.17 & -0.32 & -0.02 & 20.00 & 199 & 117 & -0.35 & 0.03 \\
##   99 &  99 & -0.19 & -0.34 & -0.05 & 20.00 & 209 & 114 & -0.38 & -0.01 \\
##   100 & 100 & 0.07 & -0.06 & 0.20 & 20.00 & 102 & 252 & -0.08 & 0.24 \\
##   101 & 101 & 0.08 & -0.04 & 0.20 & 20.00 & 100 & 251 & -0.06 & 0.24 \\
##   102 & 102 & -0.07 & -0.31 & 0.17 & 20.00 & 143 &  75 & -0.37 & 0.22 \\
##   103 & 103 & -0.06 & -0.29 & 0.17 & 20.00 & 141 &  77 & -0.35 & 0.22 \\
##   104 & 104 & -0.14 & -0.45 & 0.18 & 20.00 & 146 &  48 & -0.54 & 0.22 \\
##   105 & 105 & -0.11 & -0.41 & 0.19 & 20.00 & 143 &  55 & -0.50 & 0.24 \\
##   106 & 106 & -0.15 & -0.31 & 0.01 & 20.00 & 181 & 134 & -0.33 & 0.07 \\
##   107 & 107 & -0.15 & -0.32 & 0.02 & 20.00 & 193 & 124 & -0.34 & 0.08 \\
##   108 & 108 & -0.15 & -0.33 & 0.03 & 20.00 & 182 & 132 & -0.33 & 0.09 \\
##   109 & 109 & -0.05 & -0.29 & 0.19 & 20.00 & 145 &  78 & -0.35 & 0.24 \\
##   110 & 110 & -0.04 & -0.27 & 0.19 & 20.00 & 122 &  88 & -0.33 & 0.24 \\
##   111 & 111 & -0.05 & -0.28 & 0.18 & 20.00 & 144 &  78 & -0.34 & 0.23 \\
##   112 & 112 & -0.04 & -0.27 & 0.18 & 20.00 & 140 &  81 & -0.33 & 0.24 \\
##   113 & 113 & -0.04 & -0.27 & 0.19 & 20.00 & 130 &  87 & -0.33 & 0.25 \\
##   114 & 114 & 0.05 & -0.09 & 0.19 & 20.00 & 260 &  97 & -0.13 & 0.23 \\
##   115 & 115 & 0.05 & -0.09 & 0.20 & 20.00 & 267 &  94 & -0.12 & 0.23 \\
##   116 & 116 & 0.06 & -0.08 & 0.20 & 20.00 & 266 &  97 & -0.11 & 0.23 \\
##   117 & 117 & 0.07 & -0.06 & 0.20 & 20.00 & 253 & 111 & -0.09 & 0.24 \\
##   118 & 118 & 0.08 & -0.05 & 0.21 & 20.00 & 247 & 121 & -0.08 & 0.25 \\
##   119 & 119 & -0.04 & -0.27 & 0.19 & 20.00 & 113 &  96 & -0.33 & 0.24 \\
##   120 & 120 & -0.13 & -0.34 & 0.08 & 20.00 & 148 & 146 & -0.33 & 0.15 \\
##   121 & 121 & -0.14 & -0.36 & 0.08 & 20.00 & 148 & 146 & -0.35 & 0.15 \\
##   122 & 122 & 0.09 & -0.04 & 0.22 & 20.00 &  94 & 254 & -0.06 & 0.26 \\
##   123 & 123 & -0.14 & -0.36 & 0.08 & 20.00 & 148 & 147 & -0.35 & 0.15 \\
##   124 & 124 & 0.09 & -0.04 & 0.22 & 20.00 &  88 & 250 & -0.06 & 0.26 \\
##   125 & 125 & 0.04 & -0.18 & 0.27 & 20.00 &  80 & 134 & -0.21 & 0.35 \\
##   126 & 126 & 0.09 & -0.05 & 0.22 & 20.00 & 247 & 127 & -0.07 & 0.26 \\
##   127 & 127 & -0.03 & -0.25 & 0.19 & 20.00 & 107 & 102 & -0.31 & 0.25 \\
##   128 & 128 & -0.02 & -0.22 & 0.19 & 20.00 & 107 & 107 & -0.27 & 0.25 \\
##   129 & 129 & -0.00 & -0.22 & 0.21 & 20.00 & 107 & 110 & -0.26 & 0.28 \\
##   130 & 130 & 0.09 & -0.04 & 0.22 & 20.00 & 223 & 153 & -0.06 & 0.26 \\
##   131 & 131 & 0.10 & -0.04 & 0.24 & 20.00 & 237 & 132 & -0.07 & 0.28 \\
##   132 & 132 & 0.10 & -0.04 & 0.23 & 20.00 & 225 & 144 & -0.06 & 0.27 \\
##   133 & 133 & 0.10 & -0.03 & 0.23 & 20.00 &  73 & 250 & -0.05 & 0.27 \\
##   134 & 134 & -0.15 & -0.37 & 0.07 & 20.00 & 160 & 138 & -0.36 & 0.14 \\
##   135 & 135 & -0.16 & -0.37 & 0.05 & 20.00 & 162 & 130 & -0.37 & 0.12 \\
##   136 & 136 & -0.17 & -0.36 & 0.03 & 20.00 & 164 & 132 & -0.36 & 0.10 \\
##   137 & 137 & 0.09 & -0.03 & 0.22 & 20.00 &  97 & 243 & -0.06 & 0.26 \\
##   138 & 138 & 0.09 & -0.03 & 0.22 & 20.00 & 105 & 237 & -0.05 & 0.26 \\
##   139 & 139 & 0.10 & -0.03 & 0.22 & 20.00 &  95 & 240 & -0.05 & 0.25 \\
##   140 & 140 & 0.00 & -0.21 & 0.22 & 20.00 & 108 & 114 & -0.25 & 0.29 \\
##   141 & 141 & 0.02 & -0.19 & 0.23 & 20.00 &  96 & 117 & -0.22 & 0.30 \\
##   142 & 142 & 0.01 & -0.21 & 0.22 & 20.00 & 107 & 115 & -0.24 & 0.29 \\
##   143 & 143 & 0.10 & -0.02 & 0.22 & 20.00 & 119 & 223 & -0.04 & 0.25 \\
##   144 & 144 & 0.10 & -0.03 & 0.22 & 20.00 & 101 & 232 & -0.05 & 0.25 \\
##   145 & 145 & 0.10 & -0.02 & 0.21 & 20.00 & 108 & 228 & -0.04 & 0.25 \\
##   146 & 146 & 0.10 & -0.02 & 0.22 & 20.00 & 125 & 216 & -0.04 & 0.25 \\
##   147 & 147 & 0.10 & -0.03 & 0.23 & 20.00 &  81 & 249 & -0.05 & 0.27 \\
##   148 & 148 & 0.10 & -0.03 & 0.23 & 20.00 &  77 & 252 & -0.05 & 0.27 \\
##   149 & 149 & 0.05 & -0.18 & 0.28 & 20.00 &  83 & 135 & -0.20 & 0.36 \\
```

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##   150 & 150 & 0.05 & -0.18 & 0.28 & 20.00 &  97 & 125 & -0.19 & 0.36 \\
##   151 & 151 & -0.19 & -0.36 & -0.02 & 20.00 & 172 & 126 & -0.37 & 0.05 \\
##   152 & 152 & -0.21 & -0.37 & -0.06 & 20.00 & 183 & 120 & -0.39 & 0.00 \\
##   153 & 153 & -0.18 & -0.38 & 0.02 & 20.00 & 163 & 130 & -0.38 & 0.09 \\
##   154 & 154 & -0.19 & -0.37 & -0.01 & 20.00 & 178 & 124 & -0.37 & 0.06 \\
##   155 & 155 & 0.10 & -0.03 & 0.23 & 20.00 &  77 & 251 & -0.05 & 0.27 \\
##   156 & 156 & 0.05 & -0.17 & 0.27 & 20.00 &  91 & 129 & -0.18 & 0.35 \\
##   157 & 157 & -0.15 & -0.38 & 0.09 & 20.00 & 150 & 134 & -0.38 & 0.17 \\
##   158 & 158 & -0.15 & -0.37 & 0.07 & 20.00 & 162 & 123 & -0.36 & 0.14 \\
##   159 & 159 & 0.10 & -0.03 & 0.24 & 20.00 &  80 & 243 & -0.05 & 0.28 \\
##   160 & 160 & 0.05 & -0.18 & 0.28 & 20.00 & 101 & 124 & -0.20 & 0.36 \\
##   161 & 161 & 0.09 & -0.04 & 0.22 & 20.00 & 107 & 222 & -0.07 & 0.26 \\
##   162 & 162 & 0.04 & -0.19 & 0.27 & 20.00 & 105 & 120 & -0.21 & 0.35 \\
##   163 & 163 & 0.05 & -0.17 & 0.27 & 20.00 & 109 & 116 & -0.18 & 0.34 \\
##   164 & 164 & 0.08 & -0.06 & 0.22 & 20.00 & 132 & 195 & -0.09 & 0.26 \\
##   165 & 165 & 0.06 & -0.10 & 0.21 & 20.00 & 160 & 156 & -0.14 & 0.24 \\
##   166 & 166 & 0.07 & -0.08 & 0.22 & 20.00 & 145 & 169 & -0.12 & 0.26 \\
##   167 & 167 & 0.04 & -0.13 & 0.21 & 20.00 & 162 & 151 & -0.18 & 0.24 \\
##   168 & 168 & 0.04 & -0.18 & 0.26 & 20.00 & 114 & 112 & -0.20 & 0.33 \\
##   169 & 169 & 0.03 & -0.19 & 0.25 & 20.00 & 125 & 110 & -0.21 & 0.32 \\
##   170 & 170 & -0.19 & -0.39 & 0.02 & 20.00 & 181 & 115 & -0.39 & 0.09 \\
##   171 & 171 & -0.19 & -0.39 & 0.01 & 20.00 & 185 & 112 & -0.39 & 0.08 \\
##   172 & 172 & -0.22 & -0.40 & -0.04 & 20.00 & 196 & 102 & -0.42 & 0.03 \\
##   173 & 173 & -0.25 & -0.40 & -0.09 & 20.00 & 212 &  95 & -0.44 & -0.03 \\
##   174 & 174 & -0.22 & -0.40 & -0.03 & 20.00 & 213 &  97 & -0.41 & 0.04 \\
##   175 & 175 & -0.22 & -0.41 & -0.04 & 20.00 & 202 &  97 & -0.42 & 0.03 \\
##   176 & 176 & -0.22 & -0.41 & -0.03 & 20.00 & 194 &  97 & -0.41 & 0.04 \\
##   177 & 177 & 0.03 & -0.19 & 0.25 & 20.00 & 126 & 111 & -0.21 & 0.32 \\
##   178 & 178 & 0.02 & -0.19 & 0.24 & 20.00 & 132 & 110 & -0.22 & 0.32 \\
##   179 & 179 & -0.22 & -0.42 & -0.02 & 20.00 & 187 & 101 & -0.43 & 0.05 \\
##   180 & 180 & -0.22 & -0.42 & -0.03 & 20.00 & 175 & 100 & -0.43 & 0.04 \\
##   181 & 181 & 0.02 & -0.16 & 0.20 & 20.00 & 172 & 142 & -0.21 & 0.23 \\
##   182 & 182 & 0.03 & -0.15 & 0.20 & 20.00 & 166 & 148 & -0.20 & 0.23 \\
##   183 & 183 & 0.03 & -0.14 & 0.21 & 20.00 & 166 & 139 & -0.19 & 0.24 \\
##   184 & 184 & 0.02 & -0.21 & 0.24 & 20.00 & 136 & 105 & -0.23 & 0.31 \\
##   185 & 185 & 0.02 & -0.21 & 0.24 & 20.00 & 140 & 101 & -0.23 & 0.32 \\
##   186 & 186 & 0.01 & -0.21 & 0.23 & 20.00 & 139 &  96 & -0.23 & 0.31 \\
##   187 & 187 & 0.01 & -0.22 & 0.24 & 20.00 & 146 &  92 & -0.24 & 0.32 \\
##   188 & 188 & -0.13 & -0.37 & 0.10 & 20.00 & 132 & 114 & -0.40 & 0.17 \\
##   189 & 189 & -0.18 & -0.42 & 0.06 & 20.00 & 151 &  97 & -0.46 & 0.13 \\
##   190 & 190 & -0.18 & -0.41 & 0.06 & 20.00 & 149 &  98 & -0.45 & 0.13 \\
##   191 & 191 & -0.20 & -0.42 & 0.02 & 20.00 & 152 &  99 & -0.45 & 0.09 \\
##   192 & 192 & -0.19 & -0.42 & 0.04 & 20.00 & 156 &  98 & -0.46 & 0.11 \\
##   193 & 193 & -0.22 & -0.43 & -0.01 & 20.00 & 166 &  98 & -0.45 & 0.07 \\
##   194 & 194 & -0.21 & -0.43 & 0.00 & 20.00 & 164 & 100 & -0.45 & 0.07 \\
##   195 & 195 & -0.21 & -0.42 & 0.01 & 20.00 & 150 & 101 & -0.45 & 0.07 \\
##   196 & 196 & 0.00 & -0.23 & 0.24 & 20.00 & 155 &  85 & -0.25 & 0.32 \\
##   197 & 197 & 0.02 & -0.17 & 0.21 & 20.00 & 192 & 114 & -0.22 & 0.24 \\
##   198 & 198 & 0.03 & -0.16 & 0.23 & 20.00 & 209 & 102 & -0.21 & 0.27 \\
##   199 & 199 & 0.06 & -0.13 & 0.24 & 20.00 & 198 & 107 & -0.17 & 0.29 \\
##   200 & 200 & -0.14 & -0.38 & 0.10 & 20.00 & 137 & 112 & -0.42 & 0.17 \\
##   201 & 201 & -0.14 & -0.36 & 0.09 & 20.00 & 142 &  98 & -0.40 & 0.15 \\
##   202 & 202 & -0.16 & -0.39 & 0.07 & 20.00 & 145 & 104 & -0.42 & 0.14 \\
##   203 & 203 & -0.17 & -0.39 & 0.05 & 20.00 & 160 &  94 & -0.43 & 0.11 \\
```

```
##   204 & 204 & -0.00 & -0.23 & 0.22 & 20.00 & 166 &  79 & -0.25 & 0.30 \\
##   205 & 205 & -0.02 & -0.25 & 0.21 & 20.00 & 181 &  73 & -0.27 & 0.29 \\
##   206 & 206 & -0.02 & -0.24 & 0.20 & 20.00 & 231 &  93 & -0.30 & 0.21 \\
##   207 & 207 & -0.03 & -0.26 & 0.21 & 20.00 & 242 &  82 & -0.33 & 0.22 \\
##   208 & 208 & 0.01 & -0.20 & 0.21 & 20.00 & 224 &  93 & -0.25 & 0.23 \\
##   209 & 209 & -0.15 & -0.38 & 0.07 & 20.00 & 159 &  81 & -0.42 & 0.14 \\
##   210 & 210 & -0.15 & -0.38 & 0.08 & 20.00 & 168 &  78 & -0.42 & 0.15 \\
##   211 & 211 & -0.15 & -0.38 & 0.09 & 20.00 & 176 &  70 & -0.43 & 0.17 \\
##   212 & 212 & 0.07 & -0.12 & 0.26 & 20.00 & 183 & 115 & -0.15 & 0.31 \\
##   213 & 213 & 0.09 & -0.10 & 0.28 & 20.00 & 170 & 115 & -0.12 & 0.34 \\
##   214 & 214 & -0.03 & -0.27 & 0.21 & 20.00 & 191 &  67 & -0.30 & 0.29 \\
##   215 & 215 & -0.04 & -0.28 & 0.21 & 20.00 & 188 &  62 & -0.31 & 0.29 \\
##   216 & 216 & -0.05 & -0.28 & 0.19 & 20.00 & 180 &  63 & -0.31 & 0.27 \\
##   217 & 217 & -0.06 & -0.29 & 0.16 & 20.00 & 189 &  63 & -0.32 & 0.24 \\
##   218 & 218 & -0.09 & -0.31 & 0.14 & 20.00 & 203 &  59 & -0.35 & 0.22 \\
##   219 & 219 & -0.09 & -0.33 & 0.14 & 20.00 & 203 &  59 & -0.36 & 0.22 \\
##   220 & 220 & -0.10 & -0.33 & 0.14 & 20.00 & 200 &  62 & -0.36 & 0.22 \\
##   221 & 221 & -0.15 & -0.40 & 0.10 & 20.00 & 185 &  68 & -0.45 & 0.18 \\
##   222 & 222 & -0.10 & -0.35 & 0.15 & 20.00 & 202 &  62 & -0.39 & 0.24 \\
##   223 & 223 & -0.11 & -0.38 & 0.15 & 20.00 & 213 &  59 & -0.43 & 0.24 \\
##   224 & 224 & -0.12 & -0.38 & 0.13 & 20.00 & 190 &  63 & -0.42 & 0.22 \\
##   225 & 225 & -0.14 & -0.39 & 0.11 & 20.00 & 180 &  63 & -0.43 & 0.18 \\
##   226 & 226 & 0.08 & -0.12 & 0.27 & 20.00 & 163 & 105 & -0.14 & 0.33 \\
##   227 & 227 & 0.04 & -0.14 & 0.23 & 20.00 &  24 & 144 & -0.17 & 0.29 \\
##   228 & 228 & 0.05 & -0.13 & 0.23 & 20.00 &  28 & 130 & -0.16 & 0.29 \\
##   229 & 229 & 0.05 & -0.14 & 0.23 & 20.00 & 188 &  91 & -0.18 & 0.28 \\
##   230 & 230 & 0.02 & -0.17 & 0.20 & 20.00 &  24 & 129 & -0.20 & 0.25 \\
##   231 & 231 & -0.00 & -0.21 & 0.21 & 20.00 & 201 &  79 & -0.28 & 0.23 \\
##   232 & 232 & -0.03 & -0.23 & 0.17 & 20.00 & 192 &  75 & -0.29 & 0.18 \\
##   233 & 233 & 0.06 & -0.11 & 0.23 & 20.00 &  52 & 119 & -0.15 & 0.29 \\
##   234 & 234 & 0.05 & -0.13 & 0.23 & 20.00 &  74 & 109 & -0.17 & 0.28 \\
##   235 & 235 & 0.02 & -0.16 & 0.20 & 20.00 & 114 &  98 & -0.20 & 0.24 \\
##   236 & 236 & -0.03 & -0.25 & 0.18 & 20.00 & 194 &  73 & -0.32 & 0.20 \\
##   237 & 237 & -0.02 & -0.21 & 0.17 & 20.00 & 162 &  79 & -0.26 & 0.19 \\
##   238 & 238 & 0.04 & -0.13 & 0.22 & 20.00 &  85 &  98 & -0.18 & 0.27 \\
##   239 & 239 & 0.02 & -0.15 & 0.20 & 20.00 & 107 &  83 & -0.20 & 0.24 \\
##   240 & 240 & 0.04 & -0.14 & 0.22 & 20.00 &  92 &  95 & -0.19 & 0.26 \\
##   241 & 241 & 0.03 & -0.15 & 0.21 & 20.00 & 102 &  87 & -0.20 & 0.24 \\
##   242 & 242 & 0.02 & -0.16 & 0.20 & 20.00 & 112 &  91 & -0.20 & 0.24 \\
##   243 & 243 & -0.00 & -0.18 & 0.18 & 20.00 &  26 & 119 & -0.23 & 0.22 \\
##   244 & 244 & -0.01 & -0.19 & 0.17 & 20.00 &  29 & 109 & -0.24 & 0.21 \\
##   245 & 245 & 0.01 & -0.18 & 0.19 & 20.00 & 125 &  87 & -0.23 & 0.22 \\
##   246 & 246 & -0.02 & -0.21 & 0.17 & 20.00 & 151 &  80 & -0.27 & 0.19 \\
##   247 & 247 & -0.02 & -0.21 & 0.16 & 20.00 & 143 &  79 & -0.27 & 0.19 \\
##   248 & 248 & -0.01 & -0.19 & 0.18 & 20.00 &  36 &  81 & -0.25 & 0.21 \\
##   249 & 249 & -0.11 & -0.33 & 0.11 & 20.00 &  24 & 108 & -0.40 & 0.14 \\
##   250 & 250 & -0.05 & -0.25 & 0.16 & 20.00 &  34 &  85 & -0.32 & 0.19 \\
##   251 & 251 & -0.01 & -0.21 & 0.19 & 20.00 &  57 &  68 & -0.27 & 0.22 \\
##   252 & 252 & -0.19 & -0.45 & 0.06 & 20.00 &  16 & 113 & -0.52 & 0.08 \\
##   253 & 253 & -0.12 & -0.34 & 0.10 & 20.00 &  19 & 102 & -0.42 & 0.13 \\
##   254 & 254 & -0.07 & -0.27 & 0.13 & 20.00 &  20 & 105 & -0.34 & 0.15 \\
##   255 & 255 & -0.06 & -0.24 & 0.13 & 20.00 &  21 &  98 & -0.31 & 0.15 \\
##   256 & 256 & -0.05 & -0.22 & 0.13 & 20.00 &  23 &  88 & -0.29 & 0.16 \\
##   257 & 257 & -0.04 & -0.21 & 0.13 & 20.00 &  24 &  82 & -0.27 & 0.16 \\
```

```
##   258 & 258 & -0.04 & -0.20 & 0.13 & 20.00 &  22 &  77 & -0.26 & 0.16 \\
##   259 & 259 & -0.04 & -0.19 & 0.11 & 20.00 &  26 &  73 & -0.25 & 0.15 \\
##   260 & 260 & -0.03 & -0.19 & 0.13 & 20.00 &  28 &  71 & -0.24 & 0.17 \\
##   261 & 261 & -0.04 & -0.19 & 0.11 & 20.00 &  26 &  67 & -0.23 & 0.16 \\
##   262 & 262 & -0.04 & -0.19 & 0.11 & 20.00 &  22 &  64 & -0.22 & 0.16 \\
##   263 & 263 & -0.04 & -0.18 & 0.11 & 20.00 &  20 &  63 & -0.22 & 0.16 \\
##   264 & 264 & -0.03 & -0.18 & 0.11 & 20.00 &  20 &  63 & -0.21 & 0.17 \\
##    \hline
## \end{tabular}
## \end{table}
```

```
finaltab[2]
```

```
##     Estimate
## 1       0.10
## 2       0.09
## 3       0.09
## 4      -0.11
## 5      -0.10
## 6      -0.08
## 7       0.07
## 8       0.07
## 9       0.07
## 10      0.06
## 11      0.07
## 12      0.07
## 13      0.03
## 14      0.02
## 15     -0.12
## 16     -0.13
## 17     -0.14
## 18     -0.14
## 19     -0.13
## 20     -0.13
## 21     -0.14
## 22     -0.07
## 23     -0.06
## 24     -0.14
## 25     -0.14
## 26     -0.14
## 27     -0.14
## 28     -0.14
## 29     -0.14
## 30     -0.14
## 31     -0.06
## 32     -0.06
## 33     -0.05
## 34      0.01
## 35     -0.04
## 36     -0.08
## 37     -0.08
## 38     -0.04
## 39     -0.04
## 40     -0.01
## 41      0.00
```

```
## 42    -0.15
## 43     0.01
## 44    -0.17
## 45    -0.20
## 46    -0.20
## 47    -0.14
## 48    -0.14
## 49    -0.15
## 50    -0.16
## 51    -0.15
## 52    -0.15
## 53    -0.16
## 54    -0.16
## 55    -0.17
## 56    -0.15
## 57     0.01
## 58     0.02
## 59     0.02
## 60    -0.09
## 61    -0.10
## 62    -0.11
## 63    -0.15
## 64    -0.13
## 65     0.04
## 66     0.04
## 67    -0.12
## 68    -0.17
## 69    -0.19
## 70    -0.18
## 71     0.03
## 72     0.03
## 73     0.02
## 74     0.02
## 75     0.02
## 76     0.01
## 77     0.03
## 78    -0.13
## 79    -0.13
## 80     0.04
## 81     0.06
## 82     0.05
## 83    -0.09
## 84    -0.07
## 85    -0.09
## 86    -0.09
## 87     0.05
## 88     0.07
## 89     0.07
## 90    -0.14
## 91    -0.14
## 92     0.07
## 93     0.07
## 94     0.08
## 95     0.06
```

```
## 96     -0.16
## 97     -0.19
## 98     -0.17
## 99     -0.19
## 100     0.07
## 101     0.08
## 102    -0.07
## 103    -0.06
## 104    -0.14
## 105    -0.11
## 106    -0.15
## 107    -0.15
## 108    -0.15
## 109    -0.05
## 110    -0.04
## 111    -0.05
## 112    -0.04
## 113    -0.04
## 114     0.05
## 115     0.05
## 116     0.06
## 117     0.07
## 118     0.08
## 119    -0.04
## 120    -0.13
## 121    -0.14
## 122     0.09
## 123    -0.14
## 124     0.09
## 125     0.04
## 126     0.09
## 127    -0.03
## 128    -0.02
## 129     0.00
## 130     0.09
## 131     0.10
## 132     0.10
## 133     0.10
## 134    -0.15
## 135    -0.16
## 136    -0.17
## 137     0.09
## 138     0.09
## 139     0.10
## 140     0.00
## 141     0.02
## 142     0.01
## 143     0.10
## 144     0.10
## 145     0.10
## 146     0.10
## 147     0.10
## 148     0.10
## 149     0.05
```

```
## 150     0.05
## 151    -0.19
## 152    -0.21
## 153    -0.18
## 154    -0.19
## 155     0.10
## 156     0.05
## 157    -0.15
## 158    -0.15
## 159     0.10
## 160     0.05
## 161     0.09
## 162     0.04
## 163     0.05
## 164     0.08
## 165     0.06
## 166     0.07
## 167     0.04
## 168     0.04
## 169     0.03
## 170    -0.19
## 171    -0.19
## 172    -0.22
## 173    -0.25
## 174    -0.22
## 175    -0.22
## 176    -0.22
## 177     0.03
## 178     0.02
## 179    -0.22
## 180    -0.22
## 181     0.02
## 182     0.03
## 183     0.03
## 184     0.02
## 185     0.02
## 186     0.01
## 187     0.01
## 188    -0.13
## 189    -0.18
## 190    -0.18
## 191    -0.20
## 192    -0.19
## 193    -0.22
## 194    -0.21
## 195    -0.21
## 196     0.00
## 197     0.02
## 198     0.03
## 199     0.06
## 200    -0.14
## 201    -0.14
## 202    -0.16
## 203    -0.17
```

```
## 204     0.00
## 205    -0.02
## 206    -0.02
## 207    -0.03
## 208     0.01
## 209    -0.15
## 210    -0.15
## 211    -0.15
## 212     0.07
## 213     0.09
## 214    -0.03
## 215    -0.04
## 216    -0.05
## 217    -0.06
## 218    -0.09
## 219    -0.09
## 220    -0.10
## 221    -0.15
## 222    -0.10
## 223    -0.11
## 224    -0.12
## 225    -0.14
## 226     0.08
## 227     0.04
## 228     0.05
## 229     0.05
## 230     0.02
## 231     0.00
## 232    -0.03
## 233     0.06
## 234     0.05
## 235     0.02
## 236    -0.03
## 237    -0.02
## 238     0.04
## 239     0.02
## 240     0.04
## 241     0.03
## 242     0.02
## 243     0.00
## 244    -0.01
## 245     0.01
## 246    -0.02
## 247    -0.02
## 248    -0.01
## 249    -0.11
## 250    -0.05
## 251    -0.01
## 252    -0.19
## 253    -0.12
## 254    -0.07
## 255    -0.06
## 256    -0.05
## 257    -0.04
```

```
## 258    -0.04
## 259    -0.04
## 260    -0.03
## 261    -0.04
## 262    -0.04
## 263    -0.04
## 264    -0.03
```

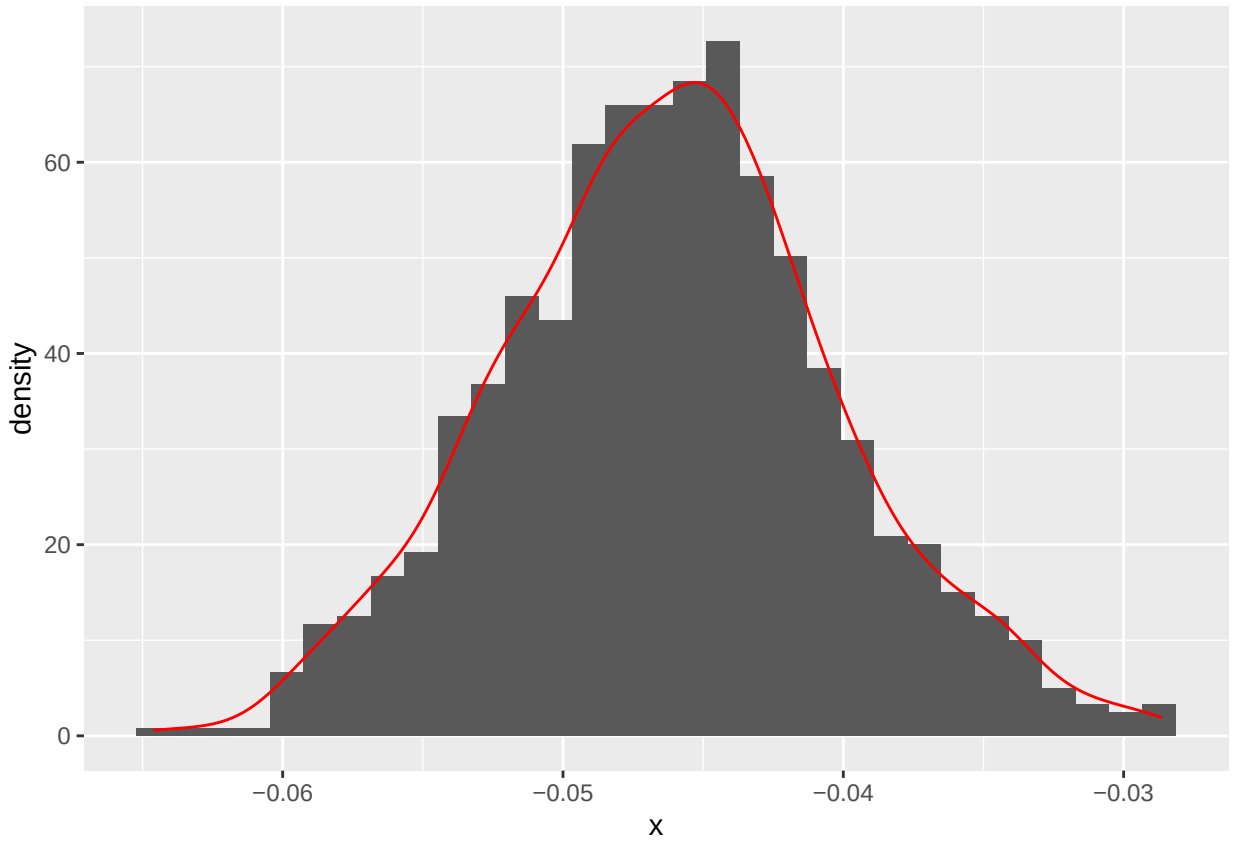
```
apply(finaltab[2], 2, mean)
```

```
##    Estimate
## -0.04587121
```

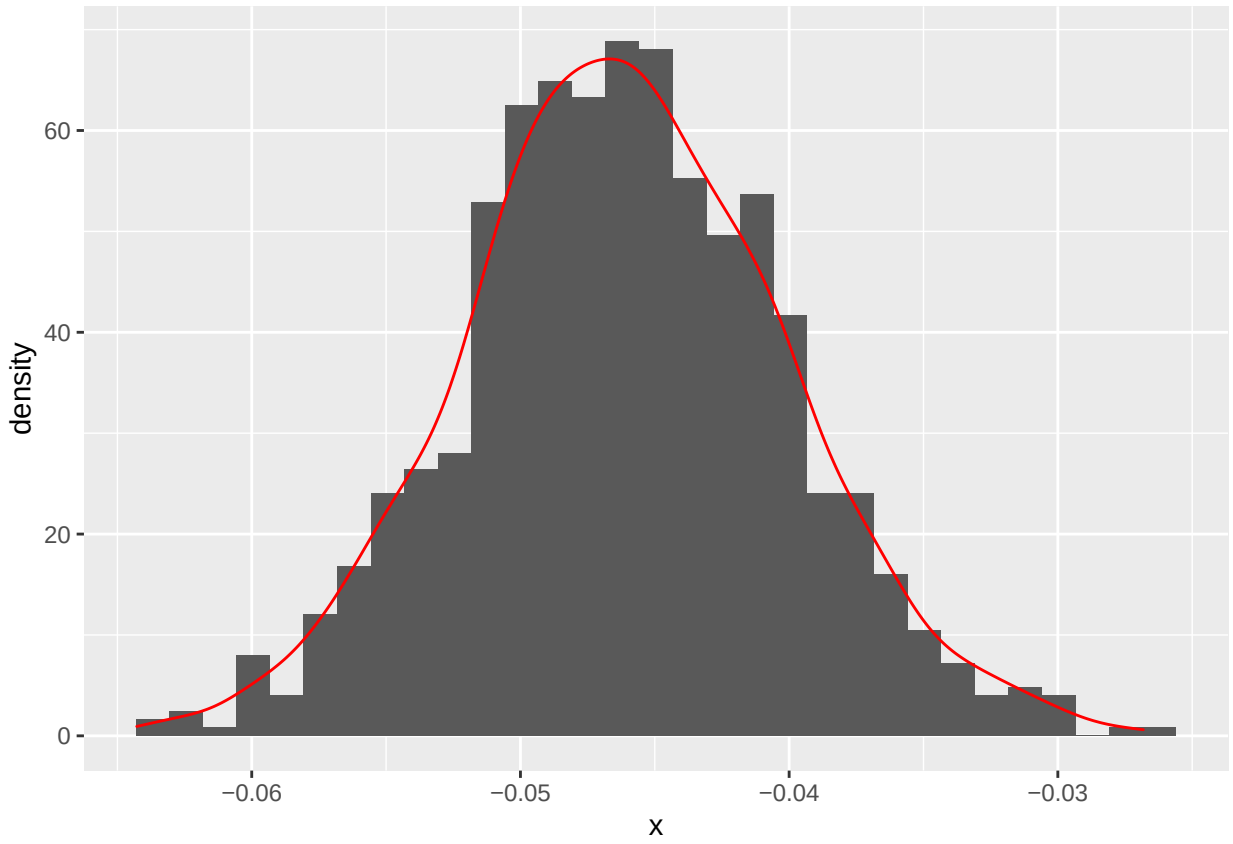
```
n=nrow(pointsALL)
B=1000
x=as.matrix(finaltab[2])

boot.mean = function(x,B,binwidth=NULL) {
  n = length(x)
  boot.samples = matrix( sample(x,size=n*B,replace=TRUE), B, n)
  boot.statistics = apply(boot.samples,1,mean)
  se = sd(boot.statistics)
  require(ggplot2)
  if ( is.null(binwidth) )
    binwidth = diff(range(boot.statistics))/30
  p = ggplot(data.frame(x=boot.statistics),aes(x=x)) +
    geom_histogram(aes(y=..density..),binwidth=binwidth) + geom_density(color="red")
  plot(p)
  interval = mean(x) + c(-1,1)*2*se
  #print( interval )
  return( list(boot.mean=mean(x), boot.statistics = boot.statistics, interval=interval, se=se, plot=p) )
}

mean2= boot.mean(x, B)$boot.mean
```




```
ci2=boot.mean(x, B)$interval
```




```
#pucca
##########################################
#
# Define outcomes of analysis
#
##########################################
outcomes <- c("pucca_binary") #substitute the necessary outcome


##########################################
#
# Use same fix bandwidth for every point
#
##########################################
# define points
z = c(1:nrow(pointsALL))
#z = c(20, 75, 150, 225)
cat("We only include points below \n")
```

```
## We only include points below
```

```
print(z)
```

```
##   [1]   1   2   3   4   5   6   7   8   9  10  11  12  13  14  15  16  17  18  19  20  21  22  23  24
##  [74]  74  75  76  77  78  79  80  81  82  83  84  85  86  87  88  89  90  91  92  93  94  95  96  97
## [147] 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170
## [220] 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243
```

```
points = pointsALL[z,]


# use fixed bandwidth for every point and outcome
hfix = band
hlist =  vector("list", length(outcomes))
for(j in 1:length(outcomes)) hlist[[j]] = rep(hfix, length(z))

########################################
#
# Estimate yhat for treatments and controls separately, using fixed bandwidth, for every outcome
#
########################################
## Set up parameters for estimation
dislimit10per = 1.00
dislimitmin   = 0.50
minobs = 10
np = nrow(points)




colnm2 = c("Point", "Estimate", "Conv-CIl",  "Conv-CIu", "hfix", "Ntr-hfix", "Nco-hfix", "Rob-CIl",  "R
finaltab = as.data.frame(matrix(data=NA, ncol = length(colnm2), nrow = np * length(outcomes), dimnames =



for(j in 1:length(outcomes)) {
  t0 = proc.time()[3]
  cat("/*****************************************************************************\n")
  cat("Starting estimation of variable", outcomes[j], "\n")
  cat("/*****************************************************************************\n")
  ## Set up data
  datause = data[complete.cases(data$latitude, data$longitude, data$treat, data[,c(outcomes[j])]),]

  ## Get covariates: latitude and longitude
  x1 <- datause$latitude
  x2 <- datause$longitude
  # Get outcome
  y <- datause[,c(outcomes[j])]
  treat <- datause$treat
  #table(datause$countyname, datause$treat)

  ## Set up treated data
  indx = (treat == 1)
  sum(indx)
  x1.Tr <- x1[indx]
  x2.Tr <- x2[indx]
  y.Tr  <- y[indx]
  rm(indx)
  gc()
```

```
## Set up control data
indx = (treat == 0)
sum(indx)
x1.Co <- x1[indx]
x2.Co <- x2[indx]
y.Co  <- y[indx]
rm(indx)
gc()


for(i in 1:np) {
  cat("Point", i, "of", np, "\n")
  b1 = points$latitude[i]
  b2 = points$longitude[i]
  h = hlist[[j]][i]


  ####################################
  #### Calculate score in treated area
  ####################################

  ## Calculate chordal distance between each (x1,x2) latitude-longitude pair in the data and the poin
  outdis = disvec(lat1=b1, lon1=b2, lat2 = x1.Tr, lon2 = x2.Tr)
  dis= as.vector(outdis$chord)
  summary(dis)
  disTr = dis
  cat("Minimum treated distance is ",min(dis), "\n")

  ## Create weights using triangular kernel and fixed bandwidth
  w = as.vector((1/h) * Kt((dis-0)/h))
  wTr=w
  npTr = sum(w>0)
  cat("There are", npTr, "Tr observations with positive weights out of", length(y.Tr), "Tr obs \n")

  ####################################
  #### Calculate score in control area
  ####################################
  ## Calculate chordal distance between each (x1,x2) latitude-longitude pair in the data and the poin
  outdis = disvec(lat1=b1, lon1=b2, lat2 = x1.Co, lon2 = x2.Co)
  dis= as.vector(outdis$chord)
  summary(dis)
  disCo = dis
  cat("Minimum control distance is ",min(dis), "\n")
  ## Create weights using triangular kernel and fixed bandwidth
  w = as.vector((1/h) * Kt((dis-0)/h))
  wCo=w
  npCo = sum(w>0)
  cat("There are", npCo, "Co observations with positive weights out of", length(y.Co), "Co obs \n")


  score = c(disTr, -disCo)
  y = c(y.Tr, y.Co)
```

```
    if(npTr >= minobs & npCo >= minobs) {
      #rdout = rdrobust(y = y , x = score , c = 0 , h = h)
      #print(rdout)
      #rdout.Coef = summary(rdout)

      rdoutCCT = rdrobust(y = y ,x = score , c = 0 , bwselect = "mserd")
      print(rdoutCCT)
      hCCT = rdoutCCT$bws[1]
      rdoutCCT.Coef = summary(rdoutCCT)
      rdoutCCT$sum

      #rdoutIK  = rdrobust(y = y ,x = score , c = 0 , bwselect = "cerrd")
      #print(rdoutIK)
      #hIK = rdoutIK$bws[1]
      #rdoutIK.Coef = summary(rdoutIK)
    }

    ##################################
    # Store results
    ##################################
    finaltab[i,"Point"]         = i
    finaltab[i, "Estimate"]     = round(rdoutCCT$coef[1], 2)
    finaltab[i, "Conv-CIl"]     = round(rdoutCCT$ci[1,1], 2)
    finaltab[i,  "Conv-CIu"]    = round(rdoutCCT$ci[1,2], 2)
    finaltab[i, "hfix"]         = hfix
    finaltab[i, "Ntr-hfix"]     = npTr
    finaltab[i, "Nco-hfix"]     = npCo
    finaltab[i, "Rob-CIl"]      = round(rdoutCCT$ci[3,1], 2)
    finaltab[i, "Rob-CIu"]      = round(rdoutCCT$ci[3,2], 2)
    #finaltab[i,"hCCT"]          = round(hCCT, 2)
    #finaltab[i, "Ntr-hCCT"]     = rdoutCCT$sum[1,2]
    #finaltab[i,"Nco-hCCT"]      = rdoutCCT$sum[1,1]
  }

  cat("\n\n\n")
  cat("----------------------------------------------------------\n")
  cat("Final results -- Outcome", outcomes[j], "\n")
  print(finaltab)
  cat("----------------------------------------------------------\n")
}# end iterating over outcomes
```

```
## /*****************************************************************************
## Starting estimation of variable pucca_binary
## /*****************************************************************************
## Point 1 of 264
## Minimum treated distance is  2.429756
## There are 44 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.518733
## There are 68 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
```

```
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            307         213
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 39.499      39.499
## BW bias (b)                 72.069      72.069
## rho (h/b)                    0.548       0.548
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            307         213
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 39.499      39.499
## BW bias (b)                 72.069      72.069
## rho (h/b)                    0.548       0.548
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.075     0.042    -1.795     0.073    [-0.158 , 0.007]
##         Robust         -         -    -1.439     0.150    [-0.172 , 0.026]
## ===============================================================================
## Point 2 of 264
## Minimum treated distance is  1.579596
## There are 42 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.482473
## There are 74 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            362         255
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.805      41.805
## BW bias (b)                 73.644      73.644
## rho (h/b)                    0.568       0.568
```

```
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            362         255
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.805      41.805
## BW bias (b)                 73.644      73.644
## rho (h/b)                    0.568       0.568
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.128     0.048    -2.673     0.008    [-0.222 , -0.034]
##         Robust         -         -    -2.206     0.027    [-0.239 , -0.014]
## ===============================================================================
## Point 3 of 264
## Minimum treated distance is  0.8219387
## There are 39 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.366789
## There are 80 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            391         282
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 42.857      42.857
## BW bias (b)                 75.909      75.909
## rho (h/b)                    0.565       0.565
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
```

```
## Eff. Number of Obs.            391         282
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 42.857      42.857
## BW bias (b)                 75.909      75.909
## rho (h/b)                    0.565       0.565
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.154     0.051    -3.031     0.002    [-0.254 , -0.054]
##         Robust          -         -    -2.494     0.013    [-0.271 , -0.033]
## ===============================================================================
## Point 4 of 264
## Minimum treated distance is  1.290765
## There are 133 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.796776
## There are 202 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            674         348
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 36.618      36.618
## BW bias (b)                 75.132      75.132
## rho (h/b)                    0.487       0.487
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            674         348
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 36.618      36.618
## BW bias (b)                 75.132      75.132
## rho (h/b)                    0.487       0.487
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
```

```
## ================================================================================
##   Conventional    -0.248     0.070    -3.544     0.000    [-0.384 , -0.111]
##         Robust         -         -    -3.442     0.001    [-0.432 , -0.119]
## ================================================================================
## Point 5 of 264
## Minimum treated distance is  0.723222
## There are 134 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.980911
## There are 213 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            893         435
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 42.627      42.627
## BW bias (b)                 81.095      81.095
## rho (h/b)                    0.526       0.526
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            893         435
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 42.627      42.627
## BW bias (b)                 81.095      81.095
## rho (h/b)                    0.526       0.526
## Unique Obs.                   2720        3447
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.213     0.066    -3.224     0.001    [-0.342 , -0.083]
##         Robust         -         -    -3.061     0.002    [-0.388 , -0.085]
## ================================================================================
## Point 6 of 264
## Minimum treated distance is  0.9887054
## There are 132 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.934405
## There are 207 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
```

```
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.           1052         499
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 47.399      47.399
## BW bias (b)                 84.365      84.365
## rho (h/b)                    0.562       0.562
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.           1052         499
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 47.399      47.399
## BW bias (b)                 84.365      84.365
## rho (h/b)                    0.562       0.562
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.186     0.067    -2.778     0.005    [-0.317 , -0.055]
##         Robust         -         -    -2.559     0.010    [-0.363 , -0.048]
## ===============================================================================
## Point 7 of 264
## Minimum treated distance is  1.396779
## There are 42 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.082541
## There are 83 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            425         324
## Order est. (p)                   1           1
```

```
## Order bias  (q)                 2          2
## BW est. (h)                43.963     43.963
## BW bias (b)                86.730     86.730
## rho (h/b)                   0.507      0.507
## Unique Obs.                 2720       3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995       4477
## Eff. Number of Obs.            425        324
## Order est. (p)                   1          1
## Order bias  (q)                  2          2
## BW est. (h)                43.963     43.963
## BW bias (b)                86.730     86.730
## rho (h/b)                   0.507      0.507
## Unique Obs.                 2720       3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.187     0.057    -3.290     0.001    [-0.299 , -0.076]
##         Robust         -         -    -2.564     0.010    [-0.297 , -0.040]
## ===============================================================================
## Point 8 of 264
## Minimum treated distance is  0.9446528
## There are 47 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.978921
## There are 80 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995       4477
## Eff. Number of Obs.            426        361
## Order est. (p)                   1          1
## Order bias  (q)                  2          2
## BW est. (h)                44.702     44.702
## BW bias (b)                85.114     85.114
## rho (h/b)                   0.525      0.525
## Unique Obs.                 2720       3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
```

```
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            426         361
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.702      44.702
## BW bias (b)                 85.114      85.114
## rho (h/b)                    0.525       0.525
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.199     0.056    -3.546     0.000    [-0.309 , -0.089]
##         Robust         -         -    -2.776     0.006    [-0.311 , -0.053]
## ===============================================================================
## Point 9 of 264
## Minimum treated distance is  1.355107
## There are 63 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.448771
## There are 64 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            367         400
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.883      44.883
## BW bias (b)                 75.638      75.638
## rho (h/b)                    0.593       0.593
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            367         400
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.883      44.883
## BW bias (b)                 75.638      75.638
## rho (h/b)                    0.593       0.593
```

```
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.185     0.054    -3.406     0.001    [-0.292 , -0.079]
##         Robust         -         -    -2.761     0.006    [-0.311 , -0.053]
## ===============================================================================
## Point 10 of 264
## Minimum treated distance is  1.796877
## There are 66 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.26198
## There are 60 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            321         384
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 43.363      43.363
## BW bias (b)                 73.810      73.810
## rho (h/b)                    0.587       0.587
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            321         384
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 43.363      43.363
## BW bias (b)                 73.810      73.810
## rho (h/b)                    0.587       0.587
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.184     0.055    -3.363     0.001    [-0.292 , -0.077]
##         Robust         -         -    -2.777     0.005    [-0.316 , -0.054]
## ===============================================================================
## Point 11 of 264
## Minimum treated distance is  1.797964
```

```
## There are 60 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.4082015
## There are 71 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            428         423
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 46.414      46.414
## BW bias (b)                 83.129      83.129
## rho (h/b)                    0.558       0.558
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            428         423
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 46.414      46.414
## BW bias (b)                 83.129      83.129
## rho (h/b)                    0.558       0.558
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.197     0.056    -3.511     0.000    [-0.306 , -0.087]
##         Robust         -         -    -2.739     0.006    [-0.313 , -0.052]
## ===============================================================================
## Point 12 of 264
## Minimum treated distance is  0.8979062
## There are 51 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.108028
## There are 74 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
```

```
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             431         391
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  45.615      45.615
## BW bias (b)                  84.660      84.660
## rho (h/b)                     0.539       0.539
## Unique Obs.                    2720        3447
##
## Call: rdrobust
##
## Number of Obs.                  7472
## BW type                        mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             431         391
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  45.615      45.615
## BW bias (b)                  84.660      84.660
## rho (h/b)                     0.539       0.539
## Unique Obs.                    2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.202     0.057    -3.570     0.000    [-0.313 , -0.091]
##         Robust         -         -    -2.788     0.005    [-0.316 , -0.055]
## ===============================================================================
## Point 13 of 264
## Minimum treated distance is  2.247173
## There are 79 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.89113
## There are 59 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                  7472
## BW type                        mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             435         573
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  49.748      49.748
## BW bias (b)                  85.211      85.211
## rho (h/b)                     0.584       0.584
## Unique Obs.                    2720        3447
##
```

```
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            435         573
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.748      49.748
## BW bias (b)                 85.211      85.211
## rho (h/b)                    0.584       0.584
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.187     0.056    -3.361     0.001    [-0.296 , -0.078]
##         Robust         -         -    -2.614     0.009    [-0.308 , -0.044]
## ===============================================================================
## Point 14 of 264
## Minimum treated distance is  1.486475
## There are 88 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.833957
## There are 57 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            147         262
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 33.644      33.644
## BW bias (b)                 65.710      65.710
## rho (h/b)                    0.512       0.512
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            147         262
## Order est. (p)                   1           1
```

```
## Order bias  (q)                 2          2
## BW est. (h)                33.644     33.644
## BW bias (b)                65.710     65.710
## rho (h/b)                   0.512      0.512
## Unique Obs.                  2720       3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.252     0.075    -3.353     0.001    [-0.399 , -0.105]
##         Robust         -         -    -3.247     0.001    [-0.448 , -0.111]
## ===============================================================================
## Point 15 of 264
## Minimum treated distance is  1.460299
## There are 139 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.554523
## There are 202 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2995       4477
## Eff. Number of Obs.           612        330
## Order est. (p)                  1          1
## Order bias  (q)                 2          2
## BW est. (h)                35.006     35.006
## BW bias (b)                74.002     74.002
## rho (h/b)                   0.473      0.473
## Unique Obs.                  2720       3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2995       4477
## Eff. Number of Obs.           612        330
## Order est. (p)                  1          1
## Order bias  (q)                 2          2
## BW est. (h)                35.006     35.006
## BW bias (b)                74.002     74.002
## rho (h/b)                   0.473      0.473
## Unique Obs.                  2720       3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.267     0.070    -3.818     0.000    [-0.405 , -0.130]
```

```
##         Robust         -         -    -3.718     0.000    [-0.452 , -0.140]
## ================================================================================
## Point 16 of 264
## Minimum treated distance is  2.056352
## There are 139 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.289756
## There are 194 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            552         319
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 33.506      33.506
## BW bias (b)                 70.401      70.401
## rho (h/b)                    0.476       0.476
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            552         319
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 33.506      33.506
## BW bias (b)                 70.401      70.401
## rho (h/b)                    0.476       0.476
## Unique Obs.                   2720        3447
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.287     0.072    -3.985     0.000    [-0.429 , -0.146]
##         Robust         -         -    -3.836     0.000    [-0.477 , -0.154]
## ================================================================================
## Point 17 of 264
## Minimum treated distance is  1.281881
## There are 172 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.247668
## There are 152 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
```

```
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            382         292
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 28.787      28.787
## BW bias (b)                 54.934      54.934
## rho (h/b)                    0.524       0.524
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            382         292
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 28.787      28.787
## BW bias (b)                 54.934      54.934
## rho (h/b)                    0.524       0.524
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.325     0.066    -4.916     0.000    [-0.455 , -0.196]
##         Robust         -         -    -4.307     0.000    [-0.495 , -0.185]
## ===============================================================================
## Point 18 of 264
## Minimum treated distance is  1.705442
## There are 170 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.380553
## There are 157 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            420         308
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 30.058      30.058
```

```
## BW bias (b)                 56.899      56.899
## rho (h/b)                    0.528       0.528
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            420         308
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 30.058      30.058
## BW bias (b)                 56.899      56.899
## rho (h/b)                    0.528       0.528
## Unique Obs.                   2720        3447
##
## ============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ============================================================================
##   Conventional    -0.331     0.068    -4.848     0.000    [-0.465 , -0.197]
##         Robust         -         -    -4.267     0.000    [-0.508 , -0.188]
## ============================================================================
## Point 19 of 264
## Minimum treated distance is  1.644788
## There are 142 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.72446
## There are 191 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            524         315
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 32.808      32.808
## BW bias (b)                 66.098      66.098
## rho (h/b)                    0.496       0.496
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
```

```
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             524         315
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  32.808      32.808
## BW bias (b)                  66.098      66.098
## rho (h/b)                     0.496       0.496
## Unique Obs.                    2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.294     0.072    -4.078     0.000    [-0.435 , -0.153]
##         Robust         -         -    -3.846     0.000    [-0.484 , -0.157]
## ===============================================================================
## Point 20 of 264
## Minimum treated distance is  0.6031693
## There are 153 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.592442
## There are 182 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             368         256
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  27.700      27.700
## BW bias (b)                  55.741      55.741
## rho (h/b)                     0.497       0.497
## Unique Obs.                    2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             368         256
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  27.700      27.700
## BW bias (b)                  55.741      55.741
## rho (h/b)                     0.497       0.497
## Unique Obs.                    2720        3447
##
```

```
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.325     0.066    -4.882     0.000    [-0.455 , -0.194]
##         Robust         -         -    -4.471     0.000    [-0.500 , -0.195]
## ================================================================================
## Point 21 of 264
## Minimum treated distance is  1.198496
## There are 156 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.783826
## There are 170 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            365         262
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 27.695      27.695
## BW bias (b)                 55.105      55.105
## rho (h/b)                    0.503       0.503
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            365         262
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 27.695      27.695
## BW bias (b)                 55.105      55.105
## rho (h/b)                    0.503       0.503
## Unique Obs.                   2720        3447
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.328     0.069    -4.756     0.000    [-0.463 , -0.193]
##         Robust         -         -    -4.359     0.000    [-0.509 , -0.193]
## ================================================================================
## Point 22 of 264
## Minimum treated distance is  0.8187607
## There are 140 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.375881
```

```
## There are 202 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.           1044         500
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 47.496      47.496
## BW bias (b)                 84.473      84.473
## rho (h/b)                    0.562       0.562
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.           1044         500
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 47.496      47.496
## BW bias (b)                 84.473      84.473
## rho (h/b)                    0.562       0.562
## Unique Obs.                   2720        3447
##
## ============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ============================================================================
##   Conventional    -0.178     0.065    -2.726     0.006    [-0.306 , -0.050]
##         Robust         -         -    -2.513     0.012    [-0.351 , -0.043]
## ============================================================================
## Point 23 of 264
## Minimum treated distance is  1.096964
## There are 145 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.322077
## There are 201 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
```

```
## Eff. Number of Obs.            928         465
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 43.957      43.957
## BW bias (b)                 82.059      82.059
## rho (h/b)                    0.536       0.536
## Unique Obs.                 2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            928         465
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 43.957      43.957
## BW bias (b)                 82.059      82.059
## rho (h/b)                    0.536       0.536
## Unique Obs.                 2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.184     0.065    -2.856     0.004    [-0.311 , -0.058]
##         Robust         -         -    -2.704     0.007    [-0.355 , -0.057]
## ===============================================================================
## Point 24 of 264
## Minimum treated distance is  0.6919152
## There are 159 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.9057245
## There are 165 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            385         285
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 28.920      28.920
## BW bias (b)                 57.043      57.043
## rho (h/b)                    0.507       0.507
## Unique Obs.                 2720        3447
##
## Call: rdrobust
##
```

```
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            385         285
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 28.920      28.920
## BW bias (b)                 57.043      57.043
## rho (h/b)                    0.507       0.507
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.323     0.068    -4.720     0.000    [-0.457 , -0.189]
##         Robust         -         -    -4.268     0.000    [-0.502 , -0.186]
## ===============================================================================
## Point 25 of 264
## Minimum treated distance is  1.01387
## There are 172 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.019122
## There are 154 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            385         297
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 28.966      28.966
## BW bias (b)                 56.104      56.104
## rho (h/b)                    0.516       0.516
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            385         297
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 28.966      28.966
```

```
## BW bias (b)                 56.104      56.104
## rho (h/b)                    0.516       0.516
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.331     0.066    -5.013     0.000    [-0.461 , -0.202]
##         Robust         -         -    -4.498     0.000    [-0.504 , -0.198]
## ===============================================================================
## Point 26 of 264
## Minimum treated distance is  2.495666
## There are 165 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.027489
## There are 159 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            589         394
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 36.208      36.208
## BW bias (b)                 84.209      84.209
## rho (h/b)                    0.430       0.430
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            589         394
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 36.208      36.208
## BW bias (b)                 84.209      84.209
## rho (h/b)                    0.430       0.430
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.356     0.074    -4.797     0.000    [-0.502 , -0.211]
##         Robust         -         -    -4.668     0.000    [-0.549 , -0.224]
## ===============================================================================
```

```
## Point 27 of 264
## Minimum treated distance is  1.271486
## There are 174 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.04481
## There are 161 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            420         298
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 30.242      30.242
## BW bias (b)                 61.842      61.842
## rho (h/b)                    0.489       0.489
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            420         298
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 30.242      30.242
## BW bias (b)                 61.842      61.842
## rho (h/b)                    0.489       0.489
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.333     0.071    -4.717     0.000    [-0.472 , -0.195]
##         Robust         -         -    -4.347     0.000    [-0.517 , -0.196]
## ===============================================================================
## Point 28 of 264
## Minimum treated distance is  1.218478
## There are 169 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.493141
## There are 162 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
```

```
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            426         310
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 30.570      30.570
## BW bias (b)                 60.339      60.339
## rho (h/b)                    0.507       0.507
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            426         310
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 30.570      30.570
## BW bias (b)                 60.339      60.339
## rho (h/b)                    0.507       0.507
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.331     0.074    -4.480     0.000    [-0.476 , -0.186]
##         Robust         -         -    -4.086     0.000    [-0.523 , -0.184]
## ===============================================================================
## Point 29 of 264
## Minimum treated distance is  1.281898
## There are 175 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.692396
## There are 158 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            409         309
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 29.796      29.796
## BW bias (b)                 55.636      55.636
## rho (h/b)                    0.536       0.536
```

```
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            409         309
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 29.796      29.796
## BW bias (b)                 55.636      55.636
## rho (h/b)                    0.536       0.536
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.331     0.067    -4.947     0.000    [-0.462 , -0.200]
##         Robust         -         -    -4.277     0.000    [-0.502 , -0.187]
## ===============================================================================
## Point 30 of 264
## Minimum treated distance is  2.597422
## There are 164 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.22528
## There are 165 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            507         324
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 32.997      32.997
## BW bias (b)                 78.362      78.362
## rho (h/b)                    0.421       0.421
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
```

```
## Eff. Number of Obs.            507         324
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 32.997      32.997
## BW bias (b)                 78.362      78.362
## rho (h/b)                    0.421       0.421
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.353     0.079    -4.484     0.000    [-0.508 , -0.199]
##         Robust         -         -    -4.425     0.000    [-0.556 , -0.215]
## ===============================================================================
## Point 31 of 264
## Minimum treated distance is  1.4144
## There are 145 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.237712
## There are 199 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            891         445
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 42.722      42.722
## BW bias (b)                 81.064      81.064
## rho (h/b)                    0.527       0.527
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            891         445
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 42.722      42.722
## BW bias (b)                 81.064      81.064
## rho (h/b)                    0.527       0.527
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
```

```
## ================================================================================
##   Conventional    -0.184     0.066    -2.791     0.005    [-0.313 , -0.055]
##         Robust         -         -    -2.670     0.008    [-0.358 , -0.055]
## ================================================================================
## Point 32 of 264
## Minimum treated distance is  1.922785
## There are 148 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.497218
## There are 198 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.           1067         518
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 48.264      48.264
## BW bias (b)                 84.750      84.750
## rho (h/b)                    0.569       0.569
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.           1067         518
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 48.264      48.264
## BW bias (b)                 84.750      84.750
## rho (h/b)                    0.569       0.569
## Unique Obs.                   2720        3447
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.165     0.066    -2.485     0.013    [-0.295 , -0.035]
##         Robust         -         -    -2.282     0.022    [-0.339 , -0.026]
## ================================================================================
## Point 33 of 264
## Minimum treated distance is  0.9756534
## There are 153 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.544949
## There are 196 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
```

```
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            921         477
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.053      44.053
## BW bias (b)                 81.776      81.776
## rho (h/b)                    0.539       0.539
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            921         477
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.053      44.053
## BW bias (b)                 81.776      81.776
## rho (h/b)                    0.539       0.539
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.167     0.066    -2.549     0.011    [-0.296 , -0.039]
##         Robust         -         -    -2.434     0.015    [-0.341 , -0.037]
## ===============================================================================
## Point 34 of 264
## Minimum treated distance is  1.282231
## There are 96 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  3.27492
## There are 57 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            106         184
## Order est. (p)                   1           1
```

```
## Order bias  (q)                 2          2
## BW est. (h)                28.422     28.422
## BW bias (b)                58.442     58.442
## rho (h/b)                   0.486      0.486
## Unique Obs.                 2720       3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995       4477
## Eff. Number of Obs.            106        184
## Order est. (p)                   1          1
## Order bias  (q)                  2          2
## BW est. (h)                28.422     28.422
## BW bias (b)                58.442     58.442
## rho (h/b)                   0.486      0.486
## Unique Obs.                 2720       3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.251     0.082    -3.045     0.002    [-0.412 , -0.089]
##         Robust         -         -    -3.049     0.002    [-0.463 , -0.101]
## ===============================================================================
## Point 35 of 264
## Minimum treated distance is  2.086965
## There are 104 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  3.449823
## There are 55 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995       4477
## Eff. Number of Obs.             88        145
## Order est. (p)                   1          1
## Order bias  (q)                  2          2
## BW est. (h)                25.073     25.073
## BW bias (b)                51.386     51.386
## rho (h/b)                   0.488      0.488
## Unique Obs.                 2720       3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
```

```
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.             88         145
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 25.073      25.073
## BW bias (b)                 51.386      51.386
## rho (h/b)                    0.488       0.488
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.281     0.087    -3.218     0.001    [-0.452 , -0.110]
##         Robust         -         -    -3.202     0.001    [-0.500 , -0.120]
## ===============================================================================
## Point 36 of 264
## Minimum treated distance is  0.7147177
## There are 113 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.748951
## There are 53 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.             63         126
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 22.021      22.021
## BW bias (b)                 46.492      46.492
## rho (h/b)                    0.474       0.474
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.             63         126
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 22.021      22.021
## BW bias (b)                 46.492      46.492
## rho (h/b)                    0.474       0.474
```

```
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.355     0.096    -3.684     0.000    [-0.544 , -0.166]
##         Robust         -         -    -3.645     0.000    [-0.593 , -0.178]
## ===============================================================================
## Point 37 of 264
## Minimum treated distance is  1.190631
## There are 116 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.72241
## There are 46 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.             60         128
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 21.435      21.435
## BW bias (b)                 46.401      46.401
## rho (h/b)                    0.462       0.462
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.             60         128
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 21.435      21.435
## BW bias (b)                 46.401      46.401
## rho (h/b)                    0.462       0.462
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.410     0.109    -3.764     0.000    [-0.624 , -0.197]
##         Robust         -         -    -3.744     0.000    [-0.678 , -0.212]
## ===============================================================================
## Point 38 of 264
## Minimum treated distance is  1.060319
```

```
## There are 153 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.670248
## There are 197 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            952         489
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.100      45.100
## BW bias (b)                 82.560      82.560
## rho (h/b)                    0.546       0.546
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            952         489
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.100      45.100
## BW bias (b)                 82.560      82.560
## rho (h/b)                    0.546       0.546
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.167     0.064    -2.595     0.009    [-0.294 , -0.041]
##         Robust         -         -    -2.453     0.014    [-0.338 , -0.038]
## ===============================================================================
## Point 39 of 264
## Minimum treated distance is  1.447996
## There are 166 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.358257
## There are 190 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
```

```
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             928         498
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  44.630      44.630
## BW bias (b)                  81.639      81.639
## rho (h/b)                     0.547       0.547
## Unique Obs.                    2720        3447
##
## Call: rdrobust
##
## Number of Obs.                  7472
## BW type                        mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             928         498
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  44.630      44.630
## BW bias (b)                  81.639      81.639
## rho (h/b)                     0.547       0.547
## Unique Obs.                    2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.154     0.066    -2.340     0.019    [-0.283 , -0.025]
##         Robust         -         -    -2.240     0.025    [-0.329 , -0.022]
## ===============================================================================
## Point 40 of 264
## Minimum treated distance is  0.814713
## There are 179 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.71441
## There are 180 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                  7472
## BW type                        mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             765         444
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  39.607      39.607
## BW bias (b)                  77.625      77.625
## rho (h/b)                     0.510       0.510
## Unique Obs.                    2720        3447
##
```

```
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            765         444
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 39.607      39.607
## BW bias (b)                 77.625      77.625
## rho (h/b)                    0.510       0.510
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.150     0.067    -2.238     0.025    [-0.281 , -0.019]
##         Robust         -         -    -2.240     0.025    [-0.327 , -0.022]
## ===============================================================================
## Point 41 of 264
## Minimum treated distance is  1.063697
## There are 189 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.693204
## There are 171 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            881         501
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 43.122      43.122
## BW bias (b)                 79.814      79.814
## rho (h/b)                    0.540       0.540
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            881         501
## Order est. (p)                   1           1
```

```
## Order bias  (q)                 2          2
## BW est. (h)                43.122     43.122
## BW bias (b)                79.814     79.814
## rho (h/b)                   0.540      0.540
## Unique Obs.                 2720       3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.145     0.066    -2.206     0.027    [-0.274 , -0.016]
##         Robust         -         -    -2.146     0.032    [-0.320 , -0.015]
## ===============================================================================
## Point 42 of 264
## Minimum treated distance is  1.734064
## There are 184 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.4779079
## There are 142 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2995       4477
## Eff. Number of Obs.           636        473
## Order est. (p)                  1          1
## Order bias  (q)                 2          2
## BW est. (h)                38.720     38.720
## BW bias (b)                86.173     86.173
## rho (h/b)                   0.449      0.449
## Unique Obs.                 2720       3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2995       4477
## Eff. Number of Obs.           636        473
## Order est. (p)                  1          1
## Order bias  (q)                 2          2
## BW est. (h)                38.720     38.720
## BW bias (b)                86.173     86.173
## rho (h/b)                   0.449      0.449
## Unique Obs.                 2720       3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.358     0.068    -5.261     0.000    [-0.492 , -0.225]
```

```
##         Robust         -         -    -5.045     0.000    [-0.537 , -0.237]
## ================================================================================
## Point 43 of 264
## Minimum treated distance is  0.4383579
## There are 195 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.617798
## There are 168 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            912         529
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.382      44.382
## BW bias (b)                 80.513      80.513
## rho (h/b)                    0.551       0.551
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            912         529
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.382      44.382
## BW bias (b)                 80.513      80.513
## rho (h/b)                    0.551       0.551
## Unique Obs.                   2720        3447
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.142     0.064    -2.221     0.026    [-0.267 , -0.017]
##         Robust         -         -    -2.131     0.033    [-0.310 , -0.013]
## ================================================================================
## Point 44 of 264
## Minimum treated distance is  1.20754
## There are 199 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.5515604
## There are 131 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
```

```
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            724         559
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 42.210      42.210
## BW bias (b)                 89.566      89.566
## rho (h/b)                    0.471       0.471
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            724         559
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 42.210      42.210
## BW bias (b)                 89.566      89.566
## rho (h/b)                    0.471       0.471
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.369     0.060    -6.162     0.000    [-0.487 , -0.252]
##         Robust         -         -    -5.805     0.000    [-0.527 , -0.261]
## ===============================================================================
## Point 45 of 264
## Minimum treated distance is  1.139919
## There are 191 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.110981
## There are 137 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.           1292         936
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 58.211      58.211
```

```
## BW bias (b)                107.669     107.669
## rho (h/b)                    0.541       0.541
## Unique Obs.                 2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                      NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.          1292         936
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                58.211      58.211
## BW bias (b)               107.669     107.669
## rho (h/b)                   0.541       0.541
## Unique Obs.                 2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.335     0.045    -7.520     0.000    [-0.422 , -0.248]
##         Robust         -         -    -6.642     0.000    [-0.456 , -0.248]
## ===============================================================================
## Point 46 of 264
## Minimum treated distance is  1.254533
## There are 193 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.9285256
## There are 135 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                      NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.          1285         933
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                57.968      57.968
## BW bias (b)               106.759     106.759
## rho (h/b)                   0.543       0.543
## Unique Obs.                 2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                      NN
```

```
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.            1285         933
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  57.968      57.968
## BW bias (b)                 106.759     106.759
## rho (h/b)                     0.543       0.543
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.335     0.044    -7.528     0.000    [-0.422 , -0.248]
##         Robust         -         -    -6.636     0.000    [-0.456 , -0.248]
## ===============================================================================
## Point 47 of 264
## Minimum treated distance is  1.531704
## There are 193 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.6862231
## There are 137 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             344         319
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  28.605      28.605
## BW bias (b)                  65.367      65.367
## rho (h/b)                     0.438       0.438
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             344         319
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  28.605      28.605
## BW bias (b)                  65.367      65.367
## rho (h/b)                     0.438       0.438
## Unique Obs.                   2720        3447
##
```

```
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.325     0.075    -4.309     0.000    [-0.472 , -0.177]
##         Robust         -         -    -4.238     0.000    [-0.517 , -0.190]
## ================================================================================
## Point 48 of 264
## Minimum treated distance is  1.597356
## There are 205 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.6473287
## There are 135 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            315         317
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 27.869      27.869
## BW bias (b)                 63.298      63.298
## rho (h/b)                    0.440       0.440
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            315         317
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 27.869      27.869
## BW bias (b)                 63.298      63.298
## rho (h/b)                    0.440       0.440
## Unique Obs.                   2720        3447
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.319     0.074    -4.290     0.000    [-0.464 , -0.173]
##         Robust         -         -    -4.211     0.000    [-0.508 , -0.185]
## ================================================================================
## Point 49 of 264
## Minimum treated distance is  0.8701075
## There are 209 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.8318914
```

```
## There are 132 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            290         315
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 27.454      27.454
## BW bias (b)                 65.400      65.400
## rho (h/b)                    0.420       0.420
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            290         315
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 27.454      27.454
## BW bias (b)                 65.400      65.400
## rho (h/b)                    0.420       0.420
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.323     0.075    -4.278     0.000    [-0.471 , -0.175]
##         Robust         -         -    -4.261     0.000    [-0.514 , -0.190]
## ===============================================================================
## Point 50 of 264
## Minimum treated distance is  1.003539
## There are 205 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.156319
## There are 122 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
```

```
## Eff. Number of Obs.            500         452
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 34.962      34.962
## BW bias (b)                 82.939      82.939
## rho (h/b)                    0.422       0.422
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            500         452
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 34.962      34.962
## BW bias (b)                 82.939      82.939
## rho (h/b)                    0.422       0.422
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.364     0.063    -5.778     0.000    [-0.488 , -0.241]
##         Robust         -         -    -5.622     0.000    [-0.528 , -0.255]
## ===============================================================================
## Point 51 of 264
## Minimum treated distance is  1.75096
## There are 195 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.252839
## There are 137 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            456         375
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 32.618      32.618
## BW bias (b)                 78.104      78.104
## rho (h/b)                    0.418       0.418
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
```

```
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            456         375
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 32.618      32.618
## BW bias (b)                 78.104      78.104
## rho (h/b)                    0.418       0.418
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.349     0.071    -4.950     0.000    [-0.488 , -0.211]
##         Robust         -         -    -4.894     0.000    [-0.530 , -0.227]
## ===============================================================================
## Point 52 of 264
## Minimum treated distance is  0.9707308
## There are 213 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.8390611
## There are 124 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            292         313
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 27.498      27.498
## BW bias (b)                 62.428      62.428
## rho (h/b)                    0.440       0.440
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            292         313
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 27.498      27.498
```

```
## BW bias (b)                 62.428      62.428
## rho (h/b)                    0.440       0.440
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.336     0.068    -4.917     0.000    [-0.470 , -0.202]
##         Robust         -         -    -4.765     0.000    [-0.512 , -0.213]
## ===============================================================================
## Point 53 of 264
## Minimum treated distance is  1.044114
## There are 216 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.41715
## There are 118 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            325         347
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 29.039      29.039
## BW bias (b)                 70.759      70.759
## rho (h/b)                    0.410       0.410
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            325         347
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 29.039      29.039
## BW bias (b)                 70.759      70.759
## rho (h/b)                    0.410       0.410
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.348     0.074    -4.718     0.000    [-0.493 , -0.204]
##         Robust         -         -    -4.705     0.000    [-0.536 , -0.221]
## ===============================================================================
```

```
## Point 54 of 264
## Minimum treated distance is  1.315035
## There are 221 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.09789
## There are 117 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            271         318
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 27.261      27.261
## BW bias (b)                 60.246      60.246
## rho (h/b)                    0.452       0.452
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            271         318
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 27.261      27.261
## BW bias (b)                 60.246      60.246
## rho (h/b)                    0.452       0.452
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.346     0.066    -5.267     0.000    [-0.475 , -0.217]
##         Robust         -         -    -5.029     0.000    [-0.516 , -0.227]
## ===============================================================================
## Point 55 of 264
## Minimum treated distance is  0.6149128
## There are 176 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.119833
## There are 147 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
```

```
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.           1331         982
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 59.853      59.853
## BW bias (b)                111.063     111.063
## rho (h/b)                    0.539       0.539
## Unique Obs.                  2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.           1331         982
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 59.853      59.853
## BW bias (b)                111.063     111.063
## rho (h/b)                    0.539       0.539
## Unique Obs.                  2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.333     0.044    -7.567     0.000    [-0.419 , -0.247]
##         Robust         -         -    -6.653     0.000    [-0.454 , -0.248]
## ===============================================================================
## Point 56 of 264
## Minimum treated distance is  1.138435
## There are 161 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.482885
## There are 152 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            861         627
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 46.719      46.719
## BW bias (b)                 92.192      92.192
## rho (h/b)                    0.507       0.507
```

```
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            861         627
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 46.719      46.719
## BW bias (b)                 92.192      92.192
## rho (h/b)                    0.507       0.507
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.364     0.058    -6.295     0.000    [-0.477 , -0.250]
##         Robust         -         -    -5.757     0.000    [-0.519 , -0.255]
## ===============================================================================
## Point 57 of 264
## Minimum treated distance is  0.9832939
## There are 202 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.7496885
## There are 162 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            777         490
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 40.672      40.672
## BW bias (b)                 78.067      78.067
## rho (h/b)                    0.521       0.521
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
```

```
## Eff. Number of Obs.            777         490
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 40.672      40.672
## BW bias (b)                 78.067      78.067
## rho (h/b)                    0.521       0.521
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.133     0.064    -2.093     0.036    [-0.258 , -0.008]
##         Robust          -         -    -2.095     0.036    [-0.302 , -0.010]
## ===============================================================================
## Point 58 of 264
## Minimum treated distance is  0.6687682
## There are 205 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.5531818
## There are 158 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            751         475
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 39.548      39.548
## BW bias (b)                 76.998      76.998
## rho (h/b)                    0.514       0.514
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            751         475
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 39.548      39.548
## BW bias (b)                 76.998      76.998
## rho (h/b)                    0.514       0.514
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
```

```
## ================================================================================
##   Conventional    -0.130     0.065    -1.993     0.046    [-0.258 , -0.002]
##         Robust         -         -    -2.027     0.043    [-0.304 , -0.005]
## ================================================================================
## Point 59 of 264
## Minimum treated distance is  0.3836083
## There are 211 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.7231318
## There are 153 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            687         453
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 37.727      37.727
## BW bias (b)                 74.972      74.972
## rho (h/b)                    0.503       0.503
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            687         453
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 37.727      37.727
## BW bias (b)                 74.972      74.972
## rho (h/b)                    0.503       0.503
## Unique Obs.                   2720        3447
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.128     0.068    -1.870     0.061    [-0.262 , 0.006]
##         Robust         -         -    -1.948     0.051    [-0.310 , 0.001]
## ================================================================================
## Point 60 of 264
## Minimum treated distance is  1.363819
## There are 124 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.221377
## There are 45 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
```

```
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.             47         126
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 20.654      20.654
## BW bias (b)                 46.568      46.568
## rho (h/b)                    0.444       0.444
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.             47         126
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 20.654      20.654
## BW bias (b)                 46.568      46.568
## rho (h/b)                    0.444       0.444
## Unique Obs.                   2720        3447
##
## ============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ============================================================================
##   Conventional    -0.468     0.121    -3.880     0.000    [-0.704 , -0.231]
##         Robust         -         -    -3.872     0.000    [-0.761 , -0.249]
## ============================================================================
## Point 61 of 264
## Minimum treated distance is  1.060123
## There are 123 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.219063
## There are 45 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.             43         120
## Order est. (p)                   1           1
```

```
## Order bias  (q)                 2          2
## BW est. (h)                19.307     19.307
## BW bias (b)                45.659     45.659
## rho (h/b)                   0.423      0.423
## Unique Obs.                 2720       3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995       4477
## Eff. Number of Obs.             43        120
## Order est. (p)                   1          1
## Order bias  (q)                  2          2
## BW est. (h)                19.307     19.307
## BW bias (b)                45.659     45.659
## rho (h/b)                   0.423      0.423
## Unique Obs.                 2720       3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.529     0.133    -3.978     0.000    [-0.790 , -0.269]
##         Robust         -         -    -3.995     0.000    [-0.851 , -0.291]
## ===============================================================================
## Point 62 of 264
## Minimum treated distance is  1.617981
## There are 124 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.285583
## There are 47 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995       4477
## Eff. Number of Obs.             41        112
## Order est. (p)                   1          1
## Order bias  (q)                  2          2
## BW est. (h)                18.359     18.359
## BW bias (b)                44.743     44.743
## rho (h/b)                   0.410      0.410
## Unique Obs.                 2720       3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
```

```
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.             41         112
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 18.359      18.359
## BW bias (b)                 44.743      44.743
## rho (h/b)                    0.410       0.410
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.593     0.153    -3.870     0.000    [-0.893 , -0.293]
##         Robust         -         -    -3.901     0.000    [-0.964 , -0.319]
## ===============================================================================
## Point 63 of 264
## Minimum treated distance is  1.084973
## There are 160 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.072145
## There are 151 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.           1014         742
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 51.440      51.440
## BW bias (b)                 94.413      94.413
## rho (h/b)                    0.545       0.545
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.           1014         742
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 51.440      51.440
## BW bias (b)                 94.413      94.413
## rho (h/b)                    0.545       0.545
```

```
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.351     0.056    -6.208     0.000    [-0.461 , -0.240]
##         Robust         -         -    -5.517     0.000    [-0.506 , -0.241]
## ===============================================================================
## Point 64 of 264
## Minimum treated distance is  1.397734
## There are 157 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.4993562
## There are 150 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            913         705
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.117      49.117
## BW bias (b)                 91.684      91.684
## rho (h/b)                    0.536       0.536
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            913         705
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.117      49.117
## BW bias (b)                 91.684      91.684
## rho (h/b)                    0.536       0.536
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.346     0.056    -6.189     0.000    [-0.456 , -0.237]
##         Robust         -         -    -5.522     0.000    [-0.498 , -0.237]
## ===============================================================================
## Point 65 of 264
## Minimum treated distance is  1.362217
```

```
## There are 173 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.316018
## There are 200 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            907         587
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 46.608      46.608
## BW bias (b)                 83.308      83.308
## rho (h/b)                    0.559       0.559
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            907         587
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 46.608      46.608
## BW bias (b)                 83.308      83.308
## rho (h/b)                    0.559       0.559
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.110     0.071    -1.557     0.119    [-0.248 , 0.028]
##         Robust         -         -    -1.443     0.149    [-0.296 , 0.045]
## ===============================================================================
## Point 66 of 264
## Minimum treated distance is  0.9120394
## There are 166 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.296591
## There are 209 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
```

```
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             915         597
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  47.179      47.179
## BW bias (b)                  83.996      83.996
## rho (h/b)                     0.562       0.562
## Unique Obs.                    2720        3447
##
## Call: rdrobust
##
## Number of Obs.                  7472
## BW type                        mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             915         597
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  47.179      47.179
## BW bias (b)                  83.996      83.996
## rho (h/b)                     0.562       0.562
## Unique Obs.                    2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.108     0.072    -1.509     0.131    [-0.248 , 0.032]
##         Robust         -         -    -1.386     0.166    [-0.296 , 0.051]
## ===============================================================================
## Point 67 of 264
## Minimum treated distance is  3.425517
## There are 132 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.321044
## There are 49 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                  7472
## BW type                        mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.              33          90
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  15.142      15.142
## BW bias (b)                  40.080      40.080
## rho (h/b)                     0.378       0.378
## Unique Obs.                    2720        3447
##
```

```
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.             33          90
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 15.142      15.142
## BW bias (b)                 40.080      40.080
## rho (h/b)                    0.378       0.378
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.738     0.141    -5.222     0.000    [-1.015 , -0.461]
##         Robust         -         -    -5.268     0.000    [-1.096 , -0.502]
## ===============================================================================
## Point 68 of 264
## Minimum treated distance is  1.225278
## There are 212 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.9143162
## There are 123 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            638         546
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 40.106      40.106
## BW bias (b)                 87.563      87.563
## rho (h/b)                    0.458       0.458
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            638         546
## Order est. (p)                   1           1
```

```
## Order bias  (q)                 2          2
## BW est. (h)                40.106     40.106
## BW bias (b)                87.563     87.563
## rho (h/b)                   0.458      0.458
## Unique Obs.                  2720       3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.370     0.058    -6.347     0.000    [-0.485 , -0.256]
##         Robust         -         -    -6.026     0.000    [-0.523 , -0.266]
## ===============================================================================
## Point 69 of 264
## Minimum treated distance is  1.369606
## There are 203 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.5048358
## There are 126 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995       4477
## Eff. Number of Obs.           1063        750
## Order est. (p)                   1          1
## Order bias  (q)                  2          2
## BW est. (h)                51.642     51.642
## BW bias (b)                96.845     96.845
## rho (h/b)                   0.533      0.533
## Unique Obs.                  2720       3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995       4477
## Eff. Number of Obs.           1063        750
## Order est. (p)                   1          1
## Order bias  (q)                  2          2
## BW est. (h)                51.642     51.642
## BW bias (b)                96.845     96.845
## rho (h/b)                   0.533      0.533
## Unique Obs.                  2720       3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.353     0.052    -6.820     0.000    [-0.455 , -0.252]
```

```
##         Robust         -         -    -6.165     0.000    [-0.492 , -0.255]
## ================================================================================
## Point 70 of 264
## Minimum treated distance is  1.630053
## There are 215 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.5661937
## There are 123 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            690         579
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 42.082      42.082
## BW bias (b)                 88.748      88.748
## rho (h/b)                    0.474       0.474
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            690         579
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 42.082      42.082
## BW bias (b)                 88.748      88.748
## rho (h/b)                    0.474       0.474
## Unique Obs.                   2720        3447
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.368     0.059    -6.288     0.000    [-0.483 , -0.253]
##         Robust         -         -    -5.922     0.000    [-0.522 , -0.262]
## ================================================================================
## Point 71 of 264
## Minimum treated distance is  0.3976312
## There are 213 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.082257
## There are 147 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
```

```
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            862         535
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 43.099      43.099
## BW bias (b)                 79.139      79.139
## rho (h/b)                    0.545       0.545
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            862         535
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 43.099      43.099
## BW bias (b)                 79.139      79.139
## rho (h/b)                    0.545       0.545
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.130     0.063    -2.064     0.039    [-0.254 , -0.007]
##         Robust         -         -    -2.009     0.045    [-0.297 , -0.004]
## ===============================================================================
## Point 72 of 264
## Minimum treated distance is  0.5294114
## There are 216 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.338504
## There are 144 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            865         541
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 43.177      43.177
```

```
## BW bias (b)                 79.055      79.055
## rho (h/b)                    0.546       0.546
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            865         541
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 43.177      43.177
## BW bias (b)                 79.055      79.055
## rho (h/b)                    0.546       0.546
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.130     0.063    -2.060     0.039    [-0.254 , -0.006]
##         Robust         -         -    -2.003     0.045    [-0.298 , -0.003]
## ===============================================================================
## Point 73 of 264
## Minimum treated distance is  0.3028246
## There are 218 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.858983
## There are 140 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            806         525
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.682      41.682
## BW bias (b)                 77.679      77.679
## rho (h/b)                    0.537       0.537
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
```

```
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             806         525
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  41.682      41.682
## BW bias (b)                  77.679      77.679
## rho (h/b)                     0.537       0.537
## Unique Obs.                    2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.130     0.066    -1.970     0.049    [-0.260 , -0.001]
##         Robust         -         -    -1.956     0.050    [-0.306 , 0.000]
## ===============================================================================
## Point 74 of 264
## Minimum treated distance is  0.7060562
## There are 226 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.105434
## There are 136 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             868         561
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  43.594      43.594
## BW bias (b)                  78.944      78.944
## rho (h/b)                     0.552       0.552
## Unique Obs.                    2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             868         561
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  43.594      43.594
## BW bias (b)                  78.944      78.944
## rho (h/b)                     0.552       0.552
## Unique Obs.                    2720        3447
##
```

```
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.135     0.063    -2.135     0.033    [-0.260 , -0.011]
##         Robust         -         -    -2.041     0.041    [-0.303 , -0.006]
## ================================================================================
## Point 75 of 264
## Minimum treated distance is  0.3894148
## There are 234 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.807434
## There are 121 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            791         537
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.365      41.365
## BW bias (b)                 77.134      77.134
## rho (h/b)                    0.536       0.536
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            791         537
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.365      41.365
## BW bias (b)                 77.134      77.134
## rho (h/b)                    0.536       0.536
## Unique Obs.                   2720        3447
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.133     0.067    -1.995     0.046    [-0.264 , -0.002]
##         Robust         -         -    -1.958     0.050    [-0.311 , 0.000]
## ================================================================================
## Point 76 of 264
## Minimum treated distance is  0.3378094
## There are 249 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.666213
```

```
## There are 113 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            740         533
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 40.259      40.259
## BW bias (b)                 76.665      76.665
## rho (h/b)                    0.525       0.525
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            740         533
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 40.259      40.259
## BW bias (b)                 76.665      76.665
## rho (h/b)                    0.525       0.525
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.144     0.069    -2.091     0.037    [-0.279 , -0.009]
##         Robust         -         -    -2.042     0.041    [-0.327 , -0.007]
## ===============================================================================
## Point 77 of 264
## Minimum treated distance is  0.8075819
## There are 254 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.490987
## There are 106 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
```

```
## Eff. Number of Obs.            731         548
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 40.348      40.348
## BW bias (b)                 74.570      74.570
## rho (h/b)                    0.541       0.541
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            731         548
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 40.348      40.348
## BW bias (b)                 74.570      74.570
## rho (h/b)                    0.541       0.541
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.110     0.072    -1.535     0.125    [-0.251 , 0.031]
##         Robust         -         -    -1.506     0.132    [-0.300 , 0.039]
## ===============================================================================
## Point 78 of 264
## Minimum treated distance is  1.721819
## There are 157 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.078005
## There are 151 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            978         807
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 52.320      52.320
## BW bias (b)                 91.702      91.702
## rho (h/b)                    0.571       0.571
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
```

```
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            978         807
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 52.320      52.320
## BW bias (b)                 91.702      91.702
## rho (h/b)                    0.571       0.571
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.324     0.055    -5.900     0.000    [-0.431 , -0.216]
##         Robust         -         -    -5.076     0.000    [-0.475 , -0.210]
## ===============================================================================
## Point 79 of 264
## Minimum treated distance is  1.538504
## There are 157 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.475312
## There are 143 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.           1065         962
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 55.074      55.074
## BW bias (b)                 94.627      94.627
## rho (h/b)                    0.582       0.582
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.           1065         962
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 55.074      55.074
```

```
## BW bias (b)                 94.627      94.627
## rho (h/b)                    0.582       0.582
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.308     0.050    -6.193     0.000    [-0.405 , -0.210]
##         Robust         -         -    -5.238     0.000    [-0.446 , -0.203]
## ===============================================================================
## Point 80 of 264
## Minimum treated distance is  1.526766
## There are 184 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.3225
## There are 186 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            865         574
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.291      45.291
## BW bias (b)                 81.759      81.759
## rho (h/b)                    0.554       0.554
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            865         574
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.291      45.291
## BW bias (b)                 81.759      81.759
## rho (h/b)                    0.554       0.554
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.108     0.068    -1.586     0.113    [-0.241 , 0.025]
##         Robust         -         -    -1.491     0.136    [-0.287 , 0.039]
## ===============================================================================
```

```
## Point 81 of 264
## Minimum treated distance is  1.345944
## There are 155 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.138813
## There are 206 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            870         603
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 46.359      46.359
## BW bias (b)                 82.140      82.140
## rho (h/b)                    0.564       0.564
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            870         603
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 46.359      46.359
## BW bias (b)                 82.140      82.140
## rho (h/b)                    0.564       0.564
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.098     0.071    -1.388     0.165    [-0.236 , 0.040]
##         Robust         -         -    -1.277     0.202    [-0.283 , 0.060]
## ===============================================================================
## Point 82 of 264
## Minimum treated distance is  0.5005312
## There are 167 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.9445935
## There are 207 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
```

```
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            886         587
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 46.286      46.286
## BW bias (b)                 83.172      83.172
## rho (h/b)                    0.557       0.557
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            886         587
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 46.286      46.286
## BW bias (b)                 83.172      83.172
## rho (h/b)                    0.557       0.557
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.103     0.068    -1.499     0.134    [-0.237 , 0.032]
##         Robust         -         -    -1.383     0.167    [-0.282 , 0.049]
## ===============================================================================
## Point 83 of 264
## Minimum treated distance is  1.98599
## There are 136 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.918044
## There are 68 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.              77         149
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 21.030      21.030
## BW bias (b)                 48.695      48.695
## rho (h/b)                    0.432       0.432
```

```
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.             77         149
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 21.030      21.030
## BW bias (b)                 48.695      48.695
## rho (h/b)                    0.432       0.432
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.393     0.116    -3.391     0.001    [-0.620 , -0.166]
##         Robust         -         -    -3.432     0.001    [-0.680 , -0.186]
## ===============================================================================
## Point 84 of 264
## Minimum treated distance is  1.555524
## There are 137 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.952762
## There are 74 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            140         242
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 27.399      27.399
## BW bias (b)                 54.342      54.342
## rho (h/b)                    0.504       0.504
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
```

```
## Eff. Number of Obs.            140         242
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 27.399      27.399
## BW bias (b)                 54.342      54.342
## rho (h/b)                    0.504       0.504
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.366     0.096    -3.813     0.000    [-0.554 , -0.178]
##         Robust          -         -    -3.684     0.000    [-0.607 , -0.186]
## ===============================================================================
## Point 85 of 264
## Minimum treated distance is  1.652069
## There are 142 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  3.084968
## There are 62 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.             62         139
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 19.687      19.687
## BW bias (b)                 46.106      46.106
## rho (h/b)                    0.427       0.427
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.             62         139
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 19.687      19.687
## BW bias (b)                 46.106      46.106
## rho (h/b)                    0.427       0.427
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
```

```
## ================================================================================
##   Conventional    -0.445     0.122    -3.642     0.000    [-0.685 , -0.206]
##         Robust         -         -    -3.683     0.000    [-0.753 , -0.230]
## ================================================================================
## Point 86 of 264
## Minimum treated distance is  2.03242
## There are 141 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.595483
## There are 64 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.             67         143
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 20.238      20.238
## BW bias (b)                 47.121      47.121
## rho (h/b)                    0.429       0.429
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.             67         143
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 20.238      20.238
## BW bias (b)                 47.121      47.121
## rho (h/b)                    0.429       0.429
## Unique Obs.                   2720        3447
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.439     0.125    -3.521     0.000    [-0.683 , -0.195]
##         Robust         -         -    -3.564     0.000    [-0.752 , -0.218]
## ================================================================================
## Point 87 of 264
## Minimum treated distance is  1.252096
## There are 188 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.111996
## There are 183 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
```

```
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            843         589
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.853      44.853
## BW bias (b)                 80.293      80.293
## rho (h/b)                    0.559       0.559
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            843         589
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.853      44.853
## BW bias (b)                 80.293      80.293
## rho (h/b)                    0.559       0.559
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.102     0.068    -1.507     0.132    [-0.235 , 0.031]
##         Robust         -         -    -1.413     0.158    [-0.280 , 0.045]
## ===============================================================================
## Point 88 of 264
## Minimum treated distance is  1.804226
## There are 131 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.7465409
## There are 228 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            868         606
## Order est. (p)                   1           1
```

```
## Order bias  (q)                 2          2
## BW est. (h)                46.844     46.844
## BW bias (b)                82.898     82.898
## rho (h/b)                   0.565      0.565
## Unique Obs.                 2720       3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995       4477
## Eff. Number of Obs.            868        606
## Order est. (p)                   1          1
## Order bias  (q)                  2          2
## BW est. (h)                46.844     46.844
## BW bias (b)                82.898     82.898
## rho (h/b)                   0.565      0.565
## Unique Obs.                 2720       3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.096     0.071    -1.353     0.176    [-0.235 , 0.043]
##         Robust         -         -    -1.245     0.213    [-0.282 , 0.063]
## ===============================================================================
## Point 89 of 264
## Minimum treated distance is  1.506268
## There are 149 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.08772
## There are 215 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995       4477
## Eff. Number of Obs.            875        615
## Order est. (p)                   1          1
## Order bias  (q)                  2          2
## BW est. (h)                46.860     46.860
## BW bias (b)                82.198     82.198
## rho (h/b)                   0.570      0.570
## Unique Obs.                 2720       3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
```

```
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            875         615
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 46.860      46.860
## BW bias (b)                 82.198      82.198
## rho (h/b)                    0.570       0.570
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.096     0.070    -1.380     0.168    [-0.232 , 0.040]
##         Robust         -         -    -1.258     0.208    [-0.277 , 0.060]
## ===============================================================================
## Point 90 of 264
## Minimum treated distance is  1.013716
## There are 172 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.528008
## There are 138 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.           1248        1213
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 60.558      60.558
## BW bias (b)                103.826     103.826
## rho (h/b)                    0.583       0.583
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.           1248        1213
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 60.558      60.558
## BW bias (b)                103.826     103.826
## rho (h/b)                    0.583       0.583
```

```
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.300     0.042    -7.119     0.000    [-0.383 , -0.217]
##         Robust         -         -    -5.907     0.000    [-0.419 , -0.210]
## ===============================================================================
## Point 91 of 264
## Minimum treated distance is  1.636298
## There are 160 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.611546
## There are 143 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.           1283        1462
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 64.445      64.445
## BW bias (b)                106.665     106.665
## rho (h/b)                    0.604       0.604
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.           1283        1462
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 64.445      64.445
## BW bias (b)                106.665     106.665
## rho (h/b)                    0.604       0.604
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.274     0.040    -6.793     0.000    [-0.353 , -0.195]
##         Robust         -         -    -5.410     0.000    [-0.388 , -0.181]
## ===============================================================================
## Point 92 of 264
## Minimum treated distance is  1.202577
```

```
## There are 191 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.479673
## There are 177 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            826         604
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.553      44.553
## BW bias (b)                 78.866      78.866
## rho (h/b)                    0.565       0.565
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            826         604
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.553      44.553
## BW bias (b)                 78.866      78.866
## rho (h/b)                    0.565       0.565
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.094     0.070    -1.355     0.175    [-0.231 , 0.042]
##         Robust         -         -    -1.266     0.205    [-0.277 , 0.059]
## ===============================================================================
## Point 93 of 264
## Minimum treated distance is  1.6589
## There are 200 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.591641
## There are 174 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
```

```
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             772         588
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  43.027      43.027
## BW bias (b)                  76.583      76.583
## rho (h/b)                     0.562       0.562
## Unique Obs.                    2720        3447
##
## Call: rdrobust
##
## Number of Obs.                  7472
## BW type                        mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             772         588
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  43.027      43.027
## BW bias (b)                  76.583      76.583
## rho (h/b)                     0.562       0.562
## Unique Obs.                    2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.084     0.071    -1.175     0.240    [-0.223 , 0.056]
##         Robust         -         -    -1.126     0.260    [-0.270 , 0.073]
## ===============================================================================
## Point 94 of 264
## Minimum treated distance is  1.891912
## There are 219 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.489702
## There are 155 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                  7472
## BW type                        mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             726         604
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  41.953      41.953
## BW bias (b)                  74.334      74.334
## rho (h/b)                     0.564       0.564
## Unique Obs.                    2720        3447
##
```

```
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            726         604
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.953      41.953
## BW bias (b)                 74.334      74.334
## rho (h/b)                    0.564       0.564
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.068     0.072    -0.946     0.344    [-0.208 , 0.073]
##         Robust         -         -    -0.891     0.373    [-0.252 , 0.095]
## ===============================================================================
## Point 95 of 264
## Minimum treated distance is  1.89925
## There are 109 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.2180729
## There are 249 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            770         514
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 43.204      43.204
## BW bias (b)                 80.662      80.662
## rho (h/b)                    0.536       0.536
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            770         514
## Order est. (p)                   1           1
```

```
## Order bias  (q)                 2          2
## BW est. (h)                43.204     43.204
## BW bias (b)                80.662     80.662
## rho (h/b)                   0.536      0.536
## Unique Obs.                 2720       3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.094     0.078    -1.199     0.231    [-0.247 , 0.060]
##         Robust         -         -    -1.189     0.234    [-0.300 , 0.073]
## ===============================================================================
## Point 96 of 264
## Minimum treated distance is  0.74009
## There are 186 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.096837
## There are 128 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2995       4477
## Eff. Number of Obs.          1333       1295
## Order est. (p)                  1          1
## Order bias  (q)                 2          2
## BW est. (h)                63.080     63.080
## BW bias (b)               110.347    110.347
## rho (h/b)                   0.572      0.572
## Unique Obs.                 2720       3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2995       4477
## Eff. Number of Obs.          1333       1295
## Order est. (p)                  1          1
## Order bias  (q)                 2          2
## BW est. (h)                63.080     63.080
## BW bias (b)               110.347    110.347
## rho (h/b)                   0.572      0.572
## Unique Obs.                 2720       3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.298     0.041    -7.316     0.000    [-0.378 , -0.218]
```

```
##         Robust         -         -    -6.151     0.000    [-0.414 , -0.214]
## ================================================================================
## Point 97 of 264
## Minimum treated distance is  1.263388
## There are 202 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.8034461
## There are 118 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.           1031         927
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 53.632      53.632
## BW bias (b)                 98.404      98.404
## rho (h/b)                    0.545       0.545
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.           1031         927
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 53.632      53.632
## BW bias (b)                 98.404      98.404
## rho (h/b)                    0.545       0.545
## Unique Obs.                   2720        3447
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.315     0.046    -6.891     0.000    [-0.405 , -0.225]
##         Robust         -         -    -6.094     0.000    [-0.439 , -0.226]
## ================================================================================
## Point 98 of 264
## Minimum treated distance is  1.319885
## There are 199 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.167005
## There are 117 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
```

```
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.           1124        1108
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 57.071      57.071
## BW bias (b)                100.566     100.566
## rho (h/b)                    0.567       0.567
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.           1124        1108
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 57.071      57.071
## BW bias (b)                100.566     100.566
## rho (h/b)                    0.567       0.567
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.297     0.044    -6.786     0.000    [-0.383 , -0.211]
##         Robust         -         -    -5.805     0.000    [-0.419 , -0.207]
## ===============================================================================
## Point 99 of 264
## Minimum treated distance is  1.511541
## There are 209 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.151585
## There are 114 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            870         814
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.686      49.686
```

```
## BW bias (b)                  89.469      89.469
## rho (h/b)                    0.555       0.555
## Unique Obs.                  2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.           870         814
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                  49.686      49.686
## BW bias (b)                  89.469      89.469
## rho (h/b)                    0.555       0.555
## Unique Obs.                  2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.313     0.049    -6.408     0.000    [-0.408 , -0.217]
##         Robust         -         -    -5.622     0.000    [-0.443 , -0.214]
## ===============================================================================
## Point 100 of 264
## Minimum treated distance is  1.837347
## There are 102 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.312637
## There are 252 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.           623         392
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                  37.421      37.421
## BW bias (b)                  69.987      69.987
## rho (h/b)                    0.535       0.535
## Unique Obs.                  2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                    Triangular
## VCE method                        NN
```

```
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             623         392
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  37.421      37.421
## BW bias (b)                  69.987      69.987
## rho (h/b)                     0.535       0.535
## Unique Obs.                    2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.075     0.094    -0.795     0.426    [-0.258 , 0.109]
##         Robust         -         -    -0.866     0.386    [-0.317 , 0.123]
## ===============================================================================
## Point 101 of 264
## Minimum treated distance is  1.732997
## There are 100 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.406424
## There are 251 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             573         373
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  35.921      35.921
## BW bias (b)                  66.187      66.187
## rho (h/b)                     0.543       0.543
## Unique Obs.                    2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             573         373
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  35.921      35.921
## BW bias (b)                  66.187      66.187
## rho (h/b)                     0.543       0.543
## Unique Obs.                    2720        3447
##
```

```
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.074     0.097    -0.759     0.448    [-0.265 , 0.117]
##         Robust         -         -    -0.809     0.419    [-0.323 , 0.134]
## ================================================================================
## Point 102 of 264
## Minimum treated distance is  1.512814
## There are 143 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.761555
## There are 75 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            181         291
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 30.386      30.386
## BW bias (b)                 56.965      56.965
## rho (h/b)                    0.533       0.533
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            181         291
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 30.386      30.386
## BW bias (b)                 56.965      56.965
## rho (h/b)                    0.533       0.533
## Unique Obs.                   2720        3447
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.340     0.088    -3.880     0.000    [-0.511 , -0.168]
##         Robust         -         -    -3.671     0.000    [-0.563 , -0.171]
## ================================================================================
## Point 103 of 264
## Minimum treated distance is  1.374861
## There are 141 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.996242
```

```
## There are 77 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            227         381
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 33.543      33.543
## BW bias (b)                 59.040      59.040
## rho (h/b)                    0.568       0.568
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            227         381
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 33.543      33.543
## BW bias (b)                 59.040      59.040
## rho (h/b)                    0.568       0.568
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.292     0.077    -3.795     0.000    [-0.443 , -0.141]
##         Robust         -         -    -3.473     0.001    [-0.491 , -0.137]
## ===============================================================================
## Point 104 of 264
## Minimum treated distance is  2.191703
## There are 146 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  3.234681
## There are 48 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
```

```
## Eff. Number of Obs.              36         111
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  17.085      17.085
## BW bias (b)                  43.485      43.485
## rho (h/b)                     0.393       0.393
## Unique Obs.                    2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.              36         111
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  17.085      17.085
## BW bias (b)                  43.485      43.485
## rho (h/b)                     0.393       0.393
## Unique Obs.                    2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.574     0.148    -3.866     0.000    [-0.865 , -0.283]
##         Robust         -         -    -3.926     0.000    [-0.928 , -0.310]
## ===============================================================================
## Point 105 of 264
## Minimum treated distance is  0.8297566
## There are 143 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  4.07437
## There are 55 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.              42         130
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  18.199      18.199
## BW bias (b)                  43.152      43.152
## rho (h/b)                     0.422       0.422
## Unique Obs.                    2720        3447
##
## Call: rdrobust
##
```

```
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.             42         130
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 18.199      18.199
## BW bias (b)                 43.152      43.152
## rho (h/b)                    0.422       0.422
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.440     0.102    -4.298     0.000    [-0.641 , -0.239]
##         Robust         -         -    -4.320     0.000    [-0.698 , -0.262]
## ===============================================================================
## Point 106 of 264
## Minimum treated distance is  0.6821165
## There are 181 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.40861
## There are 134 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.           1304        1289
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 62.584      62.584
## BW bias (b)                109.199     109.199
## rho (h/b)                    0.573       0.573
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.           1304        1289
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 62.584      62.584
```

```
## BW bias (b)                109.199     109.199
## rho (h/b)                    0.573       0.573
## Unique Obs.                 2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.297     0.041    -7.281     0.000    [-0.377 , -0.217]
##         Robust         -         -    -6.102     0.000    [-0.413 , -0.212]
## ===============================================================================
## Point 107 of 264
## Minimum treated distance is  1.756151
## There are 193 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.7291225
## There are 124 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.           1280        1346
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 62.582      62.582
## BW bias (b)                108.508     108.508
## rho (h/b)                    0.577       0.577
## Unique Obs.                 2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.           1280        1346
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 62.582      62.582
## BW bias (b)                108.508     108.508
## rho (h/b)                    0.577       0.577
## Unique Obs.                 2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.288     0.039    -7.321     0.000    [-0.365 , -0.211]
##         Robust         -         -    -6.096     0.000    [-0.398 , -0.204]
## ===============================================================================
```

```
## Point 108 of 264
## Minimum treated distance is  2.053775
## There are 182 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.001223
## There are 132 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.           1257        1350
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 62.167      62.167
## BW bias (b)                106.653     106.653
## rho (h/b)                    0.583       0.583
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.           1257        1350
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 62.167      62.167
## BW bias (b)                106.653     106.653
## rho (h/b)                    0.583       0.583
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.284     0.039    -7.215     0.000    [-0.361 , -0.207]
##         Robust         -         -    -5.941     0.000    [-0.394 , -0.199]
## ===============================================================================
## Point 109 of 264
## Minimum treated distance is  1.417721
## There are 145 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.180516
## There are 78 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
```

```
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            274         499
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 37.570      37.570
## BW bias (b)                 62.260      62.260
## rho (h/b)                    0.603       0.603
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            274         499
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 37.570      37.570
## BW bias (b)                 62.260      62.260
## rho (h/b)                    0.603       0.603
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.245     0.066    -3.722     0.000    [-0.374 , -0.116]
##         Robust         -         -    -3.189     0.001    [-0.413 , -0.099]
## ===============================================================================
## Point 110 of 264
## Minimum treated distance is  1.066107
## There are 122 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.953308
## There are 88 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            391         877
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 47.147      47.147
## BW bias (b)                 74.228      74.228
## rho (h/b)                    0.635       0.635
```

```
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            391         877
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 47.147      47.147
## BW bias (b)                 74.228      74.228
## rho (h/b)                    0.635       0.635
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.186     0.057    -3.232     0.001    [-0.298 , -0.073]
##         Robust         -         -    -2.543     0.011    [-0.330 , -0.043]
## ===============================================================================
## Point 111 of 264
## Minimum treated distance is  1.734924
## There are 144 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.331525
## There are 78 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            320         674
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.937      41.937
## BW bias (b)                 66.787      66.787
## rho (h/b)                    0.628       0.628
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
```

```
## Eff. Number of Obs.            320         674
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.937      41.937
## BW bias (b)                 66.787      66.787
## rho (h/b)                    0.628       0.628
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.214     0.062    -3.471     0.001    [-0.334 , -0.093]
##         Robust         -         -    -2.859     0.004    [-0.368 , -0.069]
## ===============================================================================
## Point 112 of 264
## Minimum treated distance is  1.564041
## There are 140 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.683025
## There are 81 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            363         862
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 46.248      46.248
## BW bias (b)                 72.847      72.847
## rho (h/b)                    0.635       0.635
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            363         862
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 46.248      46.248
## BW bias (b)                 72.847      72.847
## rho (h/b)                    0.635       0.635
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
```

```
## ================================================================================
##   Conventional    -0.193     0.056    -3.429     0.001    [-0.304 , -0.083]
##         Robust         -         -    -2.753     0.006    [-0.335 , -0.056]
## ================================================================================
## Point 113 of 264
## Minimum treated distance is  1.262409
## There are 130 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.727757
## There are 87 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            402        1003
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.372      49.372
## BW bias (b)                 76.529      76.529
## rho (h/b)                    0.645       0.645
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            402        1003
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.372      49.372
## BW bias (b)                 76.529      76.529
## rho (h/b)                    0.645       0.645
## Unique Obs.                   2720        3447
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.183     0.055    -3.346     0.001    [-0.290 , -0.076]
##         Robust         -         -    -2.626     0.009    [-0.320 , -0.047]
## ================================================================================
## Point 114 of 264
## Minimum treated distance is  1.3638
## There are 260 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.134428
## There are 97 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
```

```
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            688         575
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 39.882      39.882
## BW bias (b)                 72.016      72.016
## rho (h/b)                    0.554       0.554
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            688         575
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 39.882      39.882
## BW bias (b)                 72.016      72.016
## rho (h/b)                    0.554       0.554
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.088     0.079    -1.104     0.270    [-0.243 , 0.068]
##         Robust         -         -    -1.066     0.286    [-0.293 , 0.087]
## ===============================================================================
## Point 115 of 264
## Minimum treated distance is  1.229989
## There are 267 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.104483
## There are 94 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            675         575
## Order est. (p)                   1           1
```

```
## Order bias  (q)                 2          2
## BW est. (h)                39.568     39.568
## BW bias (b)                71.329     71.329
## rho (h/b)                   0.555      0.555
## Unique Obs.                 2720       3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995       4477
## Eff. Number of Obs.            675        575
## Order est. (p)                   1          1
## Order bias  (q)                  2          2
## BW est. (h)                39.568     39.568
## BW bias (b)                71.329     71.329
## rho (h/b)                   0.555      0.555
## Unique Obs.                 2720       3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.082     0.080    -1.021     0.307    [-0.239 , 0.075]
##         Robust         -         -    -0.979     0.327    [-0.288 , 0.096]
## ===============================================================================
## Point 116 of 264
## Minimum treated distance is  0.9401076
## There are 266 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.9208
## There are 97 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995       4477
## Eff. Number of Obs.            689        605
## Order est. (p)                   1          1
## Order bias  (q)                  2          2
## BW est. (h)                40.270     40.270
## BW bias (b)                71.509     71.509
## rho (h/b)                   0.563      0.563
## Unique Obs.                 2720       3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
```

```
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            689         605
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 40.270      40.270
## BW bias (b)                 71.509      71.509
## rho (h/b)                    0.563       0.563
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.074     0.082    -0.897     0.370    [-0.235 , 0.087]
##         Robust         -         -    -0.833     0.405    [-0.283 , 0.114]
## ===============================================================================
## Point 117 of 264
## Minimum treated distance is  1.369621
## There are 253 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.2079
## There are 111 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            734         629
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.858      41.858
## BW bias (b)                 72.969      72.969
## rho (h/b)                    0.574       0.574
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            734         629
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.858      41.858
## BW bias (b)                 72.969      72.969
## rho (h/b)                    0.574       0.574
```

```
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.071     0.078    -0.903     0.367    [-0.224 , 0.083]
##         Robust         -         -    -0.813     0.416    [-0.270 , 0.112]
## ===============================================================================
## Point 118 of 264
## Minimum treated distance is  1.929338
## There are 247 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.7942017
## There are 121 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            752         643
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 42.796      42.796
## BW bias (b)                 74.410      74.410
## rho (h/b)                    0.575       0.575
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            752         643
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 42.796      42.796
## BW bias (b)                 74.410      74.410
## rho (h/b)                    0.575       0.575
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.068     0.072    -0.943     0.346    [-0.209 , 0.073]
##         Robust         -         -    -0.811     0.417    [-0.250 , 0.104]
## ===============================================================================
## Point 119 of 264
## Minimum treated distance is  0.9435741
```

```
## There are 113 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.800887
## There are 96 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            377         742
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.902      44.902
## BW bias (b)                 71.809      71.809
## rho (h/b)                    0.625       0.625
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            377         742
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.902      44.902
## BW bias (b)                 71.809      71.809
## rho (h/b)                    0.625       0.625
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.190     0.063    -3.003     0.003    [-0.314 , -0.066]
##         Robust         -         -    -2.362     0.018    [-0.347 , -0.032]
## ===============================================================================
## Point 120 of 264
## Minimum treated distance is  1.894973
## There are 148 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.6199584
## There are 146 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
```

```
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.            1206        1469
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  63.283      63.283
## BW bias (b)                 102.940     102.940
## rho (h/b)                     0.615       0.615
## Unique Obs.                    2720        3447
##
## Call: rdrobust
##
## Number of Obs.                  7472
## BW type                        mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.            1206        1469
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  63.283      63.283
## BW bias (b)                 102.940     102.940
## rho (h/b)                     0.615       0.615
## Unique Obs.                    2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.261     0.042    -6.257     0.000    [-0.342 , -0.179]
##         Robust         -         -    -4.844     0.000    [-0.374 , -0.158]
## ===============================================================================
## Point 121 of 264
## Minimum treated distance is  1.627434
## There are 148 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.43266
## There are 146 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                  7472
## BW type                        mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.            1036        1337
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  58.914      58.914
## BW bias (b)                  98.071      98.071
## rho (h/b)                     0.601       0.601
## Unique Obs.                    2720        3447
##
```

```
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.           1036        1337
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 58.914      58.914
## BW bias (b)                 98.071      98.071
## rho (h/b)                    0.601       0.601
## Unique Obs.                  2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.250     0.042    -5.935     0.000    [-0.333 , -0.168]
##         Robust         -         -    -4.547     0.000    [-0.355 , -0.141]
## ===============================================================================
## Point 122 of 264
## Minimum treated distance is  1.215646
## There are 94 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.239232
## There are 254 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            580         392
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 36.488      36.488
## BW bias (b)                 66.311      66.311
## rho (h/b)                    0.550       0.550
## Unique Obs.                  2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            580         392
## Order est. (p)                   1           1
```

```
## Order bias  (q)                 2          2
## BW est. (h)                36.488     36.488
## BW bias (b)                66.311     66.311
## rho (h/b)                   0.550      0.550
## Unique Obs.                  2720       3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.084     0.097    -0.862     0.389    [-0.275 , 0.107]
##         Robust         -         -    -0.894     0.371    [-0.334 , 0.125]
## ===============================================================================
## Point 123 of 264
## Minimum treated distance is  1.683645
## There are 148 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.8802285
## There are 147 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2995       4477
## Eff. Number of Obs.           907       1218
## Order est. (p)                  1          1
## Order bias  (q)                 2          2
## BW est. (h)                55.706     55.706
## BW bias (b)                95.701     95.701
## rho (h/b)                   0.582      0.582
## Unique Obs.                  2720       3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2995       4477
## Eff. Number of Obs.           907       1218
## Order est. (p)                  1          1
## Order bias  (q)                 2          2
## BW est. (h)                55.706     55.706
## BW bias (b)                95.701     95.701
## rho (h/b)                   0.582      0.582
## Unique Obs.                  2720       3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.237     0.044    -5.393     0.000    [-0.323 , -0.151]
```

```
##         Robust         -         -    -4.126     0.000    [-0.338 , -0.120]
## ================================================================================
## Point 124 of 264
## Minimum treated distance is  1.417622
## There are 88 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.29369
## There are 250 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            588         443
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 37.586      37.586
## BW bias (b)                 67.736      67.736
## rho (h/b)                    0.555       0.555
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            588         443
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 37.586      37.586
## BW bias (b)                 67.736      67.736
## rho (h/b)                    0.555       0.555
## Unique Obs.                   2720        3447
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.096     0.095    -1.013     0.311    [-0.283 , 0.090]
##         Robust         -         -    -1.009     0.313    [-0.343 , 0.110]
## ================================================================================
## Point 125 of 264
## Minimum treated distance is  1.967674
## There are 80 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.429816
## There are 134 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
```

```
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            462        1091
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 50.991      50.991
## BW bias (b)                 92.297      92.297
## rho (h/b)                    0.552       0.552
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            462        1091
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 50.991      50.991
## BW bias (b)                 92.297      92.297
## rho (h/b)                    0.552       0.552
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.127     0.061    -2.086     0.037    [-0.245 , -0.008]
##         Robust         -         -    -1.371     0.170    [-0.248 , 0.044]
## ===============================================================================
## Point 126 of 264
## Minimum treated distance is  2.080345
## There are 247 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.4954539
## There are 127 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            770         673
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 43.694      43.694
```

```
## BW bias (b)                 75.230      75.230
## rho (h/b)                    0.581       0.581
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            770         673
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 43.694      43.694
## BW bias (b)                 75.230      75.230
## rho (h/b)                    0.581       0.581
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.067     0.074    -0.902     0.367    [-0.212 , 0.078]
##         Robust         -         -    -0.741     0.459    [-0.251 , 0.113]
## ===============================================================================
## Point 127 of 264
## Minimum treated distance is  1.006908
## There are 107 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.035628
## There are 102 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            449        1041
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 51.000      51.000
## BW bias (b)                 80.630      80.630
## rho (h/b)                    0.633       0.633
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
```

```
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             449        1041
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  51.000      51.000
## BW bias (b)                  80.630      80.630
## rho (h/b)                     0.633       0.633
## Unique Obs.                    2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.167     0.057    -2.934     0.003    [-0.279 , -0.056]
##         Robust         -         -    -2.215     0.027    [-0.308 , -0.019]
## ===============================================================================
## Point 128 of 264
## Minimum treated distance is  0.8329217
## There are 107 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.467701
## There are 107 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             439        1067
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  50.883      50.883
## BW bias (b)                  82.207      82.207
## rho (h/b)                     0.619       0.619
## Unique Obs.                    2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             439        1067
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  50.883      50.883
## BW bias (b)                  82.207      82.207
## rho (h/b)                     0.619       0.619
## Unique Obs.                    2720        3447
##
```

```
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.159     0.054    -2.932     0.003    [-0.265 , -0.053]
##         Robust         -         -    -2.154     0.031    [-0.284 , -0.013]
## ================================================================================
## Point 129 of 264
## Minimum treated distance is  1.487605
## There are 107 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.695912
## There are 110 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            433        1072
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 50.545      50.545
## BW bias (b)                 85.441      85.441
## rho (h/b)                    0.592       0.592
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            433        1072
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 50.545      50.545
## BW bias (b)                 85.441      85.441
## rho (h/b)                    0.592       0.592
## Unique Obs.                   2720        3447
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.152     0.057    -2.670     0.008    [-0.264 , -0.040]
##         Robust         -         -    -1.886     0.059    [-0.273 , 0.005]
## ================================================================================
## Point 130 of 264
## Minimum treated distance is  1.768048
## There are 223 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.8351491
```

```
## There are 153 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            726         635
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 42.663      42.663
## BW bias (b)                 74.015      74.015
## rho (h/b)                    0.576       0.576
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            726         635
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 42.663      42.663
## BW bias (b)                 74.015      74.015
## rho (h/b)                    0.576       0.576
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.060     0.071    -0.849     0.396    [-0.200 , 0.079]
##         Robust         -         -    -0.738     0.461    [-0.239 , 0.108]
## ===============================================================================
## Point 131 of 264
## Minimum treated distance is  1.6789
## There are 237 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.8131001
## There are 132 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
```

```
## Eff. Number of Obs.            735         679
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 43.450      43.450
## BW bias (b)                 75.353      75.353
## rho (h/b)                    0.577       0.577
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            735         679
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 43.450      43.450
## BW bias (b)                 75.353      75.353
## rho (h/b)                    0.577       0.577
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.057     0.072    -0.795     0.427    [-0.199 , 0.084]
##         Robust         -         -    -0.610     0.542    [-0.233 , 0.122]
## ===============================================================================
## Point 132 of 264
## Minimum treated distance is  1.566221
## There are 225 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.063732
## There are 144 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            747         689
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 43.974      43.974
## BW bias (b)                 76.000      76.000
## rho (h/b)                    0.579       0.579
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
```

```
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            747         689
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 43.974      43.974
## BW bias (b)                 76.000      76.000
## rho (h/b)                    0.579       0.579
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.063     0.072    -0.879     0.380    [-0.204 , 0.078]
##         Robust         -         -    -0.692     0.489    [-0.240 , 0.115]
## ===============================================================================
## Point 133 of 264
## Minimum treated distance is  2.136721
## There are 73 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.584566
## There are 250 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            638         554
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.987      41.987
## BW bias (b)                 74.161      74.161
## rho (h/b)                    0.566       0.566
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            638         554
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.987      41.987
```

```
## BW bias (b)                 74.161      74.161
## rho (h/b)                    0.566       0.566
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.108     0.093    -1.156     0.248    [-0.291 , 0.075]
##         Robust         -         -    -1.037     0.300    [-0.347 , 0.107]
## ===============================================================================
## Point 134 of 264
## Minimum treated distance is  1.521769
## There are 160 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.724237
## There are 138 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            545         805
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.701      44.701
## BW bias (b)                 83.057      83.057
## rho (h/b)                    0.538       0.538
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            545         805
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.701      44.701
## BW bias (b)                 83.057      83.057
## rho (h/b)                    0.538       0.538
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.213     0.054    -3.960     0.000    [-0.318 , -0.107]
##         Robust         -         -    -3.054     0.002    [-0.321 , -0.070]
## ===============================================================================
```

```
## Point 135 of 264
## Minimum treated distance is  1.733135
## There are 162 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.225003
## There are 130 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            467         695
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.137      41.137
## BW bias (b)                 76.014      76.014
## rho (h/b)                    0.541       0.541
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            467         695
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.137      41.137
## BW bias (b)                 76.014      76.014
## rho (h/b)                    0.541       0.541
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.216     0.055    -3.894     0.000    [-0.325 , -0.107]
##         Robust         -         -    -3.008     0.003    [-0.329 , -0.069]
## ===============================================================================
## Point 136 of 264
## Minimum treated distance is  1.783953
## There are 164 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.149675
## There are 132 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
```

```
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            404         662
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 39.017      39.017
## BW bias (b)                 73.453      73.453
## rho (h/b)                    0.531       0.531
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            404         662
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 39.017      39.017
## BW bias (b)                 73.453      73.453
## rho (h/b)                    0.531       0.531
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.214     0.056    -3.832     0.000    [-0.323 , -0.104]
##         Robust         -         -    -2.963     0.003    [-0.327 , -0.067]
## ===============================================================================
## Point 137 of 264
## Minimum treated distance is  1.620538
## There are 97 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.6077723
## There are 243 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            638         517
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 40.331      40.331
## BW bias (b)                 71.300      71.300
## rho (h/b)                    0.566       0.566
```

```
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            638         517
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 40.331      40.331
## BW bias (b)                 71.300      71.300
## rho (h/b)                    0.566       0.566
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.100     0.088    -1.136     0.256    [-0.271 , 0.072]
##         Robust         -         -    -1.087     0.277    [-0.327 , 0.094]
## ===============================================================================
## Point 138 of 264
## Minimum treated distance is  1.171009
## There are 105 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.8759564
## There are 237 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            689         579
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 42.946      42.946
## BW bias (b)                 74.748      74.748
## rho (h/b)                    0.575       0.575
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
```

```
## Eff. Number of Obs.            689         579
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 42.946      42.946
## BW bias (b)                 74.748      74.748
## rho (h/b)                    0.575       0.575
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.096     0.082    -1.177     0.239    [-0.257 , 0.064]
##         Robust         -         -    -1.114     0.265    [-0.310 , 0.085]
## ===============================================================================
## Point 139 of 264
## Minimum treated distance is  1.427309
## There are 95 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.632829
## There are 240 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            669         574
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 42.704      42.704
## BW bias (b)                 74.794      74.794
## rho (h/b)                    0.571       0.571
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            669         574
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 42.704      42.704
## BW bias (b)                 74.794      74.794
## rho (h/b)                    0.571       0.571
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
```

```
## ================================================================================
##   Conventional    -0.101     0.084    -1.201     0.230    [-0.267 , 0.064]
##         Robust         -         -    -1.123     0.261    [-0.320 , 0.087]
## ================================================================================
## Point 140 of 264
## Minimum treated distance is  1.581921
## There are 108 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.429095
## There are 114 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            432        1094
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 50.619      50.619
## BW bias (b)                 89.331      89.331
## rho (h/b)                    0.567       0.567
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            432        1094
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 50.619      50.619
## BW bias (b)                 89.331      89.331
## rho (h/b)                    0.567       0.567
## Unique Obs.                   2720        3447
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.148     0.056    -2.643     0.008    [-0.258 , -0.038]
##         Robust         -         -    -1.864     0.062    [-0.262 , 0.007]
## ================================================================================
## Point 141 of 264
## Minimum treated distance is  1.629678
## There are 96 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.7549797
## There are 117 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
```

```
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            444        1098
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 50.795      50.795
## BW bias (b)                 91.208      91.208
## rho (h/b)                    0.557       0.557
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            444        1098
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 50.795      50.795
## BW bias (b)                 91.208      91.208
## rho (h/b)                    0.557       0.557
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.139     0.057    -2.441     0.015    [-0.252 , -0.027]
##         Robust         -         -    -1.682     0.093    [-0.253 , 0.019]
## ===============================================================================
## Point 142 of 264
## Minimum treated distance is  1.776473
## There are 107 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.422512
## There are 115 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            431        1093
## Order est. (p)                   1           1
```

```
## Order bias  (q)                 2          2
## BW est. (h)                50.459     50.459
## BW bias (b)                90.852     90.852
## rho (h/b)                   0.555      0.555
## Unique Obs.                 2720       3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995       4477
## Eff. Number of Obs.            431       1093
## Order est. (p)                   1          1
## Order bias  (q)                  2          2
## BW est. (h)                50.459     50.459
## BW bias (b)                90.852     90.852
## rho (h/b)                   0.555      0.555
## Unique Obs.                 2720       3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.144     0.056    -2.591     0.010    [-0.254 , -0.035]
##         Robust         -         -    -1.824     0.068    [-0.255 , 0.009]
## ===============================================================================
## Point 143 of 264
## Minimum treated distance is  0.4707237
## There are 119 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.5558869
## There are 223 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995       4477
## Eff. Number of Obs.            872        743
## Order est. (p)                   1          1
## Order bias  (q)                  2          2
## BW est. (h)                49.531     49.531
## BW bias (b)                83.146     83.146
## rho (h/b)                   0.596      0.596
## Unique Obs.                 2720       3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
```

```
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            872         743
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.531      49.531
## BW bias (b)                 83.146      83.146
## rho (h/b)                    0.596       0.596
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.096     0.068    -1.424     0.154    [-0.229 , 0.036]
##         Robust         -         -    -1.234     0.217    [-0.272 , 0.062]
## ===============================================================================
## Point 144 of 264
## Minimum treated distance is  1.384889
## There are 101 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.9098095
## There are 232 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            751         645
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.881      45.881
## BW bias (b)                 79.261      79.261
## rho (h/b)                    0.579       0.579
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            751         645
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.881      45.881
## BW bias (b)                 79.261      79.261
## rho (h/b)                    0.579       0.579
```

```
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.101     0.078    -1.294     0.196    [-0.254 , 0.052]
##         Robust         -         -    -1.200     0.230    [-0.305 , 0.073]
## ===============================================================================
## Point 145 of 264
## Minimum treated distance is  1.332583
## There are 108 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.6534584
## There are 228 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            819         717
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 48.266      48.266
## BW bias (b)                 81.822      81.822
## rho (h/b)                    0.590       0.590
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            819         717
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 48.266      48.266
## BW bias (b)                 81.822      81.822
## rho (h/b)                    0.590       0.590
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.099     0.073    -1.353     0.176    [-0.242 , 0.044]
##         Robust         -         -    -1.203     0.229    [-0.289 , 0.069]
## ===============================================================================
## Point 146 of 264
## Minimum treated distance is  0.95995
```

```
## There are 125 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.8122171
## There are 216 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            891         768
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 50.241      50.241
## BW bias (b)                 83.775      83.775
## rho (h/b)                    0.600       0.600
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            891         768
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 50.241      50.241
## BW bias (b)                 83.775      83.775
## rho (h/b)                    0.600       0.600
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.091     0.068    -1.339     0.181    [-0.224 , 0.042]
##         Robust         -         -    -1.128     0.259    [-0.265 , 0.071]
## ===============================================================================
## Point 147 of 264
## Minimum treated distance is  1.595377
## There are 81 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.4165848
## There are 249 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
```

```
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             660         553
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  42.145      42.145
## BW bias (b)                  73.901      73.901
## rho (h/b)                     0.570       0.570
## Unique Obs.                    2720        3447
##
## Call: rdrobust
##
## Number of Obs.                  7472
## BW type                        mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             660         553
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  42.145      42.145
## BW bias (b)                  73.901      73.901
## rho (h/b)                     0.570       0.570
## Unique Obs.                    2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.105     0.091    -1.157     0.247    [-0.284 , 0.073]
##         Robust         -         -    -1.069     0.285    [-0.340 , 0.100]
## ===============================================================================
## Point 148 of 264
## Minimum treated distance is  1.748634
## There are 77 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.693777
## There are 252 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                  7472
## BW type                        mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             632         539
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  41.388      41.388
## BW bias (b)                  72.880      72.880
## rho (h/b)                     0.568       0.568
## Unique Obs.                    2720        3447
##
```

```
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            632         539
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.388      41.388
## BW bias (b)                 72.880      72.880
## rho (h/b)                    0.568       0.568
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.107     0.094    -1.143     0.253    [-0.290 , 0.076]
##         Robust         -         -    -1.047     0.295    [-0.348 , 0.106]
## ===============================================================================
## Point 149 of 264
## Minimum treated distance is  1.582569
## There are 83 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.5350762
## There are 135 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            442        1047
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.831      49.831
## BW bias (b)                 90.379      90.379
## rho (h/b)                    0.551       0.551
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            442        1047
## Order est. (p)                   1           1
```

```
## Order bias  (q)                 2          2
## BW est. (h)                49.831     49.831
## BW bias (b)                90.379     90.379
## rho (h/b)                   0.551      0.551
## Unique Obs.                 2720       3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.119     0.061    -1.957     0.050    [-0.238 , 0.000]
##         Robust         -         -    -1.278     0.201    [-0.241 , 0.051]
## ===============================================================================
## Point 150 of 264
## Minimum treated distance is  1.810702
## There are 97 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.9985426
## There are 125 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2995       4477
## Eff. Number of Obs.           348        713
## Order est. (p)                  1          1
## Order bias  (q)                 2          2
## BW est. (h)                41.237     41.237
## BW bias (b)                76.280     76.280
## rho (h/b)                   0.541      0.541
## Unique Obs.                 2720       3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2995       4477
## Eff. Number of Obs.           348        713
## Order est. (p)                  1          1
## Order bias  (q)                 2          2
## BW est. (h)                41.237     41.237
## BW bias (b)                76.280     76.280
## rho (h/b)                   0.541      0.541
## Unique Obs.                 2720       3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.098     0.068    -1.446     0.148    [-0.232 , 0.035]
```

```
##         Robust         -         -    -0.918     0.358    [-0.234 , 0.085]
## ================================================================================
## Point 151 of 264
## Minimum treated distance is  1.31329
## There are 172 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.230801
## There are 126 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            351         602
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 36.437      36.437
## BW bias (b)                 68.702      68.702
## rho (h/b)                    0.530       0.530
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            351         602
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 36.437      36.437
## BW bias (b)                 68.702      68.702
## rho (h/b)                    0.530       0.530
## Unique Obs.                   2720        3447
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.215     0.058    -3.682     0.000    [-0.329 , -0.100]
##         Robust         -         -    -2.843     0.004    [-0.334 , -0.061]
## ================================================================================
## Point 152 of 264
## Minimum treated distance is  1.348723
## There are 183 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.065816
## There are 120 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
```

```
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            320         572
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 35.101      35.101
## BW bias (b)                 67.612      67.612
## rho (h/b)                    0.519       0.519
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            320         572
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 35.101      35.101
## BW bias (b)                 67.612      67.612
## rho (h/b)                    0.519       0.519
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.209     0.057    -3.655     0.000    [-0.321 , -0.097]
##         Robust         -         -    -2.832     0.005    [-0.324 , -0.059]
## ===============================================================================
## Point 153 of 264
## Minimum treated distance is  1.632318
## There are 163 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.9694627
## There are 130 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            378         679
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 38.839      38.839
```

```
## BW bias (b)                 78.225      78.225
## rho (h/b)                    0.497       0.497
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            378         679
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 38.839      38.839
## BW bias (b)                 78.225      78.225
## rho (h/b)                    0.497       0.497
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.197     0.056    -3.536     0.000    [-0.306 , -0.088]
##         Robust         -         -    -2.728     0.006    [-0.303 , -0.050]
## ===============================================================================
## Point 154 of 264
## Minimum treated distance is  1.724956
## There are 178 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.072888
## There are 124 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            329         613
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 36.461      36.461
## BW bias (b)                 71.229      71.229
## rho (h/b)                    0.512       0.512
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
```

```
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             329         613
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  36.461      36.461
## BW bias (b)                  71.229      71.229
## rho (h/b)                     0.512       0.512
## Unique Obs.                    2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.200     0.059    -3.417     0.001    [-0.315 , -0.085]
##         Robust         -         -    -2.623     0.009    [-0.315 , -0.046]
## ===============================================================================
## Point 155 of 264
## Minimum treated distance is  2.621384
## There are 77 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.542387
## There are 251 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             647         575
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  42.651      42.651
## BW bias (b)                  75.765      75.765
## rho (h/b)                     0.563       0.563
## Unique Obs.                    2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             647         575
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  42.651      42.651
## BW bias (b)                  75.765      75.765
## rho (h/b)                     0.563       0.563
## Unique Obs.                    2720        3447
##
```

```
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.106     0.092    -1.159     0.247    [-0.286 , 0.074]
##         Robust         -         -    -1.028     0.304    [-0.340 , 0.106]
## ================================================================================
## Point 156 of 264
## Minimum treated distance is  1.476896
## There are 91 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.4192208
## There are 129 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            377         834
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.114      44.114
## BW bias (b)                 81.912      81.912
## rho (h/b)                    0.539       0.539
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            377         834
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.114      44.114
## BW bias (b)                 81.912      81.912
## rho (h/b)                    0.539       0.539
## Unique Obs.                   2720        3447
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.101     0.065    -1.568     0.117    [-0.228 , 0.025]
##         Robust         -         -    -0.992     0.321    [-0.229 , 0.075]
## ================================================================================
## Point 157 of 264
## Minimum treated distance is  1.367779
## There are 150 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.6902992
```

```
## There are 134 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            435         808
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 42.245      42.245
## BW bias (b)                 87.199      87.199
## rho (h/b)                    0.484       0.484
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            435         808
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 42.245      42.245
## BW bias (b)                 87.199      87.199
## rho (h/b)                    0.484       0.484
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.182     0.055    -3.299     0.001    [-0.290 , -0.074]
##         Robust         -         -    -2.499     0.012    [-0.286 , -0.035]
## ===============================================================================
## Point 158 of 264
## Minimum treated distance is  1.247192
## There are 162 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.707571
## There are 123 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
```

```
## Eff. Number of Obs.            351         716
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 39.002      39.002
## BW bias (b)                 80.285      80.285
## rho (h/b)                    0.486       0.486
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            351         716
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 39.002      39.002
## BW bias (b)                 80.285      80.285
## rho (h/b)                    0.486       0.486
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.178     0.059    -2.997     0.003    [-0.294 , -0.061]
##         Robust         -         -    -2.264     0.024    [-0.290 , -0.021]
## ===============================================================================
## Point 159 of 264
## Minimum treated distance is  2.764985
## There are 80 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.199273
## There are 243 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            644         606
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 42.926      42.926
## BW bias (b)                 76.747      76.747
## rho (h/b)                    0.559       0.559
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
```

```
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            644         606
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 42.926      42.926
## BW bias (b)                 76.747      76.747
## rho (h/b)                    0.559       0.559
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.103     0.089    -1.163     0.245    [-0.277 , 0.071]
##         Robust         -         -    -1.035     0.300    [-0.329 , 0.102]
## ===============================================================================
## Point 160 of 264
## Minimum treated distance is  2.06423
## There are 101 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.7827467
## There are 124 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            341         714
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 40.949      40.949
## BW bias (b)                 75.444      75.444
## rho (h/b)                    0.543       0.543
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            341         714
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 40.949      40.949
```

```
## BW bias (b)                 75.444      75.444
## rho (h/b)                    0.543       0.543
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.096     0.070    -1.371     0.170    [-0.234 , 0.041]
##         Robust         -         -    -0.858     0.391    [-0.237 , 0.093]
## ===============================================================================
## Point 161 of 264
## Minimum treated distance is  1.119801
## There are 107 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.651324
## There are 222 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            666         668
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.248      44.248
## BW bias (b)                 77.664      77.664
## rho (h/b)                    0.570       0.570
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            666         668
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.248      44.248
## BW bias (b)                 77.664      77.664
## rho (h/b)                    0.570       0.570
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.096     0.080    -1.211     0.226    [-0.252 , 0.060]
##         Robust         -         -    -1.086     0.278    [-0.300 , 0.086]
## ===============================================================================
```

```
## Point 162 of 264
## Minimum treated distance is  2.1442
## There are 105 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.4060278
## There are 120 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            330         698
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 40.412      40.412
## BW bias (b)                 74.430      74.430
## rho (h/b)                    0.543       0.543
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            330         698
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 40.412      40.412
## BW bias (b)                 74.430      74.430
## rho (h/b)                    0.543       0.543
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.099     0.070    -1.413     0.158    [-0.235 , 0.038]
##         Robust         -         -    -0.898     0.369    [-0.237 , 0.088]
## ===============================================================================
## Point 163 of 264
## Minimum treated distance is  2.002273
## There are 109 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.360217
## There are 116 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
```

```
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            303         615
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 38.308      38.308
## BW bias (b)                 71.631      71.631
## rho (h/b)                    0.535       0.535
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            303         615
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 38.308      38.308
## BW bias (b)                 71.631      71.631
## rho (h/b)                    0.535       0.535
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.088     0.072    -1.224     0.221    [-0.229 , 0.053]
##         Robust         -         -    -0.753     0.451    [-0.229 , 0.102]
## ===============================================================================
## Point 164 of 264
## Minimum treated distance is  2.024424
## There are 132 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.080945
## There are 195 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            648         724
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.355      44.355
## BW bias (b)                 76.752      76.752
## rho (h/b)                    0.578       0.578
```

```
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            648         724
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.355      44.355
## BW bias (b)                 76.752      76.752
## rho (h/b)                    0.578       0.578
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.082     0.076    -1.082     0.279    [-0.232 , 0.067]
##         Robust         -         -    -0.928     0.353    [-0.275 , 0.098]
## ===============================================================================
## Point 165 of 264
## Minimum treated distance is  0.9029989
## There are 160 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.790907
## There are 156 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            555         714
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.558      41.558
## BW bias (b)                 72.860      72.860
## rho (h/b)                    0.570       0.570
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
```

```
## Eff. Number of Obs.            555         714
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.558      41.558
## BW bias (b)                 72.860      72.860
## rho (h/b)                    0.570       0.570
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.064     0.080    -0.800     0.424    [-0.220 , 0.093]
##         Robust         -         -    -0.643     0.520    [-0.259 , 0.131]
## ===============================================================================
## Point 166 of 264
## Minimum treated distance is  0.2134365
## There are 145 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.882897
## There are 169 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            537         668
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 40.114      40.114
## BW bias (b)                 69.831      69.831
## rho (h/b)                    0.574       0.574
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            537         668
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 40.114      40.114
## BW bias (b)                 69.831      69.831
## rho (h/b)                    0.574       0.574
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
```

```
## ================================================================================
##   Conventional    -0.072     0.078    -0.928     0.353    [-0.224 , 0.080]
##         Robust         -         -    -0.785     0.432    [-0.264 , 0.113]
## ================================================================================
## Point 167 of 264
## Minimum treated distance is  0.516311
## There are 162 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.5573
## There are 151 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            578         762
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 42.866      42.866
## BW bias (b)                 75.086      75.086
## rho (h/b)                    0.571       0.571
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            578         762
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 42.866      42.866
## BW bias (b)                 75.086      75.086
## rho (h/b)                    0.571       0.571
## Unique Obs.                   2720        3447
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.060     0.079    -0.750     0.453    [-0.215 , 0.096]
##         Robust         -         -    -0.560     0.575    [-0.250 , 0.139]
## ================================================================================
## Point 168 of 264
## Minimum treated distance is  1.938514
## There are 114 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.3283519
## There are 112 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
```

```
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            278         559
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 36.330      36.330
## BW bias (b)                 68.623      68.623
## rho (h/b)                    0.529       0.529
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            278         559
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 36.330      36.330
## BW bias (b)                 68.623      68.623
## rho (h/b)                    0.529       0.529
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.077     0.071    -1.077     0.281    [-0.217 , 0.063]
##         Robust         -         -    -0.643     0.520    [-0.217 , 0.110]
## ===============================================================================
## Point 169 of 264
## Minimum treated distance is  1.678861
## There are 125 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.5565738
## There are 110 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            267         558
## Order est. (p)                   1           1
```

```
## Order bias  (q)                 2          2
## BW est. (h)                35.917     35.917
## BW bias (b)                68.630     68.630
## rho (h/b)                   0.523      0.523
## Unique Obs.                 2720       3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995       4477
## Eff. Number of Obs.            267        558
## Order est. (p)                   1          1
## Order bias  (q)                  2          2
## BW est. (h)                35.917     35.917
## BW bias (b)                68.630     68.630
## rho (h/b)                   0.523      0.523
## Unique Obs.                 2720       3447
##
## ============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ============================================================================
##   Conventional    -0.064     0.072    -0.886     0.376    [-0.206 , 0.078]
##         Robust         -         -    -0.482     0.630    [-0.206 , 0.125]
## ============================================================================
## Point 170 of 264
## Minimum treated distance is  1.715988
## There are 181 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.335464
## There are 115 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995       4477
## Eff. Number of Obs.            290        559
## Order est. (p)                   1          1
## Order bias  (q)                  2          2
## BW est. (h)                34.662     34.662
## BW bias (b)                69.423     69.423
## rho (h/b)                   0.499      0.499
## Unique Obs.                 2720       3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
```

```
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            290         559
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 34.662      34.662
## BW bias (b)                 69.423      69.423
## rho (h/b)                    0.499       0.499
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.182     0.064    -2.863     0.004    [-0.307 , -0.058]
##         Robust         -         -    -2.178     0.029    [-0.306 , -0.016]
## ===============================================================================
## Point 171 of 264
## Minimum treated distance is  1.355148
## There are 185 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.241847
## There are 112 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            280         538
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 34.011      34.011
## BW bias (b)                 67.092      67.092
## rho (h/b)                    0.507       0.507
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            280         538
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 34.011      34.011
## BW bias (b)                 67.092      67.092
## rho (h/b)                    0.507       0.507
```

```
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.180     0.066    -2.713     0.007    [-0.311 , -0.050]
##         Robust         -         -    -2.046     0.041    [-0.311 , -0.007]
## ===============================================================================
## Point 172 of 264
## Minimum treated distance is  0.6819444
## There are 196 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.821347
## There are 102 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            197         366
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 28.592      28.592
## BW bias (b)                 54.465      54.465
## rho (h/b)                    0.525       0.525
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            197         366
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 28.592      28.592
## BW bias (b)                 54.465      54.465
## rho (h/b)                    0.525       0.525
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.165     0.065    -2.526     0.012    [-0.294 , -0.037]
##         Robust         -         -    -1.971     0.049    [-0.302 , -0.001]
## ===============================================================================
## Point 173 of 264
## Minimum treated distance is  1.3763
```

```
## There are 212 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.868493
## There are 95 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            194         384
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 28.956      28.956
## BW bias (b)                 55.620      55.620
## rho (h/b)                    0.521       0.521
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            194         384
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 28.956      28.956
## BW bias (b)                 55.620      55.620
## rho (h/b)                    0.521       0.521
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.166     0.070    -2.379     0.017    [-0.302 , -0.029]
##         Robust         -         -    -1.861     0.063    [-0.310 , 0.008]
## ===============================================================================
## Point 174 of 264
## Minimum treated distance is  2.157055
## There are 213 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.292811
## There are 97 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
```

```
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             225         426
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  30.567      30.567
## BW bias (b)                  58.987      58.987
## rho (h/b)                     0.518       0.518
## Unique Obs.                    2720        3447
##
## Call: rdrobust
##
## Number of Obs.                  7472
## BW type                        mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             225         426
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  30.567      30.567
## BW bias (b)                  58.987      58.987
## rho (h/b)                     0.518       0.518
## Unique Obs.                    2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.157     0.071    -2.216     0.027    [-0.296 , -0.018]
##         Robust         -         -    -1.704     0.088    [-0.302 , 0.021]
## ===============================================================================
## Point 175 of 264
## Minimum treated distance is  1.597923
## There are 202 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.776986
## There are 97 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                  7472
## BW type                        mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             228         441
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  31.393      31.393
## BW bias (b)                  60.714      60.714
## rho (h/b)                     0.517       0.517
## Unique Obs.                    2720        3447
##
```

```
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            228         441
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 31.393      31.393
## BW bias (b)                 60.714      60.714
## rho (h/b)                    0.517       0.517
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.147     0.068    -2.160     0.031    [-0.281 , -0.014]
##         Robust         -         -    -1.644     0.100    [-0.287 , 0.025]
## ===============================================================================
## Point 176 of 264
## Minimum treated distance is  2.232165
## There are 194 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.011388
## There are 97 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            234         467
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 31.971      31.971
## BW bias (b)                 60.739      60.739
## rho (h/b)                    0.526       0.526
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            234         467
## Order est. (p)                   1           1
```

```
## Order bias  (q)                 2          2
## BW est. (h)                31.971     31.971
## BW bias (b)                60.739     60.739
## rho (h/b)                   0.526      0.526
## Unique Obs.                  2720       3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.143     0.068    -2.092     0.036    [-0.277 , -0.009]
##         Robust         -         -    -1.583     0.113    [-0.285 , 0.030]
## ===============================================================================
## Point 177 of 264
## Minimum treated distance is  1.692508
## There are 126 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.9913425
## There are 111 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2995       4477
## Eff. Number of Obs.           269        575
## Order est. (p)                  1          1
## Order bias  (q)                 2          2
## BW est. (h)                36.371     36.371
## BW bias (b)                68.697     68.697
## rho (h/b)                   0.529      0.529
## Unique Obs.                  2720       3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2995       4477
## Eff. Number of Obs.           269        575
## Order est. (p)                  1          1
## Order bias  (q)                 2          2
## BW est. (h)                36.371     36.371
## BW bias (b)                68.697     68.697
## rho (h/b)                   0.529      0.529
## Unique Obs.                  2720       3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.057     0.076    -0.746     0.456    [-0.206 , 0.093]
```

```
##         Robust         -         -    -0.359     0.720    [-0.207 , 0.143]
## ================================================================================
## Point 178 of 264
## Minimum treated distance is  1.304499
## There are 132 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.318458
## There are 110 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            239         501
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 34.022      34.022
## BW bias (b)                 66.821      66.821
## rho (h/b)                    0.509       0.509
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            239         501
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 34.022      34.022
## BW bias (b)                 66.821      66.821
## rho (h/b)                    0.509       0.509
## Unique Obs.                   2720        3447
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.031     0.077    -0.398     0.690    [-0.181 , 0.120]
##         Robust         -         -    -0.067     0.947    [-0.179 , 0.168]
## ================================================================================
## Point 179 of 264
## Minimum treated distance is  2.398549
## There are 187 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.690666
## There are 101 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
```

```
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            235         467
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 32.078      32.078
## BW bias (b)                 60.773      60.773
## rho (h/b)                    0.528       0.528
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            235         467
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 32.078      32.078
## BW bias (b)                 60.773      60.773
## rho (h/b)                    0.528       0.528
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.141     0.069    -2.052     0.040    [-0.276 , -0.006]
##         Robust         -         -    -1.549     0.121    [-0.284 , 0.033]
## ===============================================================================
## Point 180 of 264
## Minimum treated distance is  1.476161
## There are 175 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.752332
## There are 100 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            202         411
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 30.042      30.042
```

```
## BW bias (b)                 56.804      56.804
## rho (h/b)                    0.529       0.529
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            202         411
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 30.042      30.042
## BW bias (b)                 56.804      56.804
## rho (h/b)                    0.529       0.529
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.137     0.072    -1.892     0.059    [-0.278 , 0.005]
##         Robust         -         -    -1.438     0.151    [-0.291 , 0.045]
## ===============================================================================
## Point 181 of 264
## Minimum treated distance is  1.389228
## There are 172 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.674957
## There are 142 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            555         773
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 42.551      42.551
## BW bias (b)                 76.153      76.153
## rho (h/b)                    0.559       0.559
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
```

```
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             555         773
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  42.551      42.551
## BW bias (b)                  76.153      76.153
## rho (h/b)                     0.559       0.559
## Unique Obs.                    2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.053     0.078    -0.685     0.493    [-0.206 , 0.099]
##         Robust         -         -    -0.467     0.641    [-0.234 , 0.144]
## ===============================================================================
## Point 182 of 264
## Minimum treated distance is  0.6424864
## There are 166 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.286782
## There are 148 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             568         764
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  42.702      42.702
## BW bias (b)                  75.137      75.137
## rho (h/b)                     0.568       0.568
## Unique Obs.                    2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             568         764
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  42.702      42.702
## BW bias (b)                  75.137      75.137
## rho (h/b)                     0.568       0.568
## Unique Obs.                    2720        3447
##
```

```
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.058     0.078    -0.741     0.458    [-0.211 , 0.095]
##         Robust         -         -    -0.543     0.587    [-0.244 , 0.138]
## ================================================================================
## Point 183 of 264
## Minimum treated distance is  2.544136
## There are 166 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.243916
## There are 139 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            511         760
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.715      41.715
## BW bias (b)                 76.063      76.063
## rho (h/b)                    0.548       0.548
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            511         760
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.715      41.715
## BW bias (b)                 76.063      76.063
## rho (h/b)                    0.548       0.548
## Unique Obs.                   2720        3447
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.048     0.080    -0.596     0.551    [-0.206 , 0.110]
##         Robust         -         -    -0.371     0.711    [-0.231 , 0.158]
## ================================================================================
## Point 184 of 264
## Minimum treated distance is  1.484475
## There are 136 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.659052
```

```
## There are 105 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            224         510
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 33.587      33.587
## BW bias (b)                 67.214      67.214
## rho (h/b)                    0.500       0.500
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            224         510
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 33.587      33.587
## BW bias (b)                 67.214      67.214
## rho (h/b)                    0.500       0.500
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.007     0.078    -0.094     0.925    [-0.161 , 0.146]
##         Robust         -         -     0.201     0.841    [-0.158 , 0.194]
## ===============================================================================
## Point 185 of 264
## Minimum treated distance is  1.387873
## There are 140 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.085148
## There are 101 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
```

```
## Eff. Number of Obs.            217         497
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 32.979      32.979
## BW bias (b)                 67.451      67.451
## rho (h/b)                    0.489       0.489
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            217         497
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 32.979      32.979
## BW bias (b)                 67.451      67.451
## rho (h/b)                    0.489       0.489
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.006     0.078     0.072     0.942    [-0.147 , 0.159]
##         Robust         -         -     0.353     0.724    [-0.143 , 0.206]
## ===============================================================================
## Point 186 of 264
## Minimum treated distance is  1.584113
## There are 139 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.263494
## There are 96 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            206         482
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 32.302      32.302
## BW bias (b)                 66.687      66.687
## rho (h/b)                    0.484       0.484
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
```

```
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            206         482
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 32.302      32.302
## BW bias (b)                 66.687      66.687
## rho (h/b)                    0.484       0.484
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.022     0.084     0.266     0.790    [-0.142 , 0.187]
##         Robust         -         -     0.520     0.603    [-0.137 , 0.236]
## ===============================================================================
## Point 187 of 264
## Minimum treated distance is  1.670326
## There are 146 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.057615
## There are 92 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            194         463
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 31.452      31.452
## BW bias (b)                 66.226      66.226
## rho (h/b)                    0.475       0.475
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            194         463
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 31.452      31.452
```

```
## BW bias (b)                 66.226      66.226
## rho (h/b)                    0.475       0.475
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.032     0.083     0.385     0.700    [-0.131 , 0.195]
##         Robust         -         -     0.632     0.527    [-0.125 , 0.244]
## ===============================================================================
## Point 188 of 264
## Minimum treated distance is  2.419037
## There are 132 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.5902842
## There are 114 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            422        1472
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 51.174      51.174
## BW bias (b)                101.279     101.279
## rho (h/b)                    0.505       0.505
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            422        1472
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 51.174      51.174
## BW bias (b)                101.279     101.279
## rho (h/b)                    0.505       0.505
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.147     0.052    -2.845     0.004    [-0.249 , -0.046]
##         Robust         -         -    -1.962     0.050    [-0.247 , -0.000]
## ===============================================================================
```

```
## Point 189 of 264
## Minimum treated distance is  2.268745
## There are 151 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.611515
## There are 97 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            383        1393
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.473      49.473
## BW bias (b)                 99.232      99.232
## rho (h/b)                    0.499       0.499
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            383        1393
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.473      49.473
## BW bias (b)                 99.232      99.232
## rho (h/b)                    0.499       0.499
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.164     0.052    -3.136     0.002    [-0.266 , -0.061]
##         Robust         -         -    -2.265     0.024    [-0.261 , -0.019]
## ===============================================================================
## Point 190 of 264
## Minimum treated distance is  2.488873
## There are 149 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.258472
## There are 98 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
```

```
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            384        1396
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.575      49.575
## BW bias (b)                 99.623      99.623
## rho (h/b)                    0.498       0.498
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            384        1396
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.575      49.575
## BW bias (b)                 99.623      99.623
## rho (h/b)                    0.498       0.498
## Unique Obs.                   2720        3447
##
## ============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ============================================================================
##   Conventional    -0.164     0.052    -3.136     0.002    [-0.267 , -0.062]
##         Robust         -         -    -2.272     0.023    [-0.262 , -0.019]
## ============================================================================
## Point 191 of 264
## Minimum treated distance is  1.195825
## There are 152 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.617984
## There are 99 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            335        1110
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.778      44.778
## BW bias (b)                 89.269      89.269
## rho (h/b)                    0.502       0.502
```

```
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            335        1110
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.778      44.778
## BW bias (b)                 89.269      89.269
## rho (h/b)                    0.502       0.502
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.160     0.060    -2.678     0.007    [-0.278 , -0.043]
##         Robust         -         -    -1.916     0.055    [-0.274 , 0.003]
## ===============================================================================
## Point 192 of 264
## Minimum treated distance is  1.753239
## There are 156 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.086261
## There are 98 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            385        1377
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.321      49.321
## BW bias (b)                 98.577      98.577
## rho (h/b)                    0.500       0.500
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                2995        4477
```

```
## Eff. Number of Obs.            385        1377
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.321      49.321
## BW bias (b)                 98.577      98.577
## rho (h/b)                    0.500       0.500
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.163     0.053    -3.043     0.002    [-0.267 , -0.058]
##         Robust          -         -    -2.191     0.028    [-0.262 , -0.015]
## ===============================================================================
## Point 193 of 264
## Minimum treated distance is  1.444954
## There are 166 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.75646
## There are 98 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            186         387
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 29.230      29.230
## BW bias (b)                 54.899      54.899
## rho (h/b)                    0.532       0.532
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            186         387
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 29.230      29.230
## BW bias (b)                 54.899      54.899
## rho (h/b)                    0.532       0.532
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
```

```
## ================================================================================
##   Conventional    -0.136     0.075    -1.820     0.069    [-0.282 , 0.010]
##         Robust         -         -    -1.386     0.166    [-0.296 , 0.051]
## ================================================================================
## Point 194 of 264
## Minimum treated distance is  2.38926
## There are 164 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.7872924
## There are 100 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            225         510
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 32.973      32.973
## BW bias (b)                 59.421      59.421
## rho (h/b)                    0.555       0.555
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            225         510
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 32.973      32.973
## BW bias (b)                 59.421      59.421
## rho (h/b)                    0.555       0.555
## Unique Obs.                   2720        3447
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.135     0.077    -1.745     0.081    [-0.286 , 0.017]
##         Robust         -         -    -1.301     0.193    [-0.304 , 0.061]
## ================================================================================
## Point 195 of 264
## Minimum treated distance is  1.151643
## There are 150 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.530298
## There are 101 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
```

```
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            271         703
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 37.585      37.585
## BW bias (b)                 70.228      70.228
## rho (h/b)                    0.535       0.535
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            271         703
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 37.585      37.585
## BW bias (b)                 70.228      70.228
## rho (h/b)                    0.535       0.535
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.147     0.068    -2.170     0.030    [-0.280 , -0.014]
##         Robust         -         -    -1.574     0.116    [-0.286 , 0.031]
## ===============================================================================
## Point 196 of 264
## Minimum treated distance is  2.028348
## There are 155 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.7574998
## There are 85 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            196         501
## Order est. (p)                   1           1
```

```
## Order bias  (q)                 2          2
## BW est. (h)                32.268     32.268
## BW bias (b)                66.975     66.975
## rho (h/b)                   0.482      0.482
## Unique Obs.                 2720       3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995       4477
## Eff. Number of Obs.            196        501
## Order est. (p)                   1          1
## Order bias  (q)                  2          2
## BW est. (h)                32.268     32.268
## BW bias (b)                66.975     66.975
## rho (h/b)                   0.482      0.482
## Unique Obs.                 2720       3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.039     0.086     0.456     0.648    [-0.130 , 0.208]
##         Robust         -         -     0.694     0.487    [-0.124 , 0.260]
## ===============================================================================
## Point 197 of 264
## Minimum treated distance is  1.105927
## There are 192 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.954108
## There are 114 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995       4477
## Eff. Number of Obs.            455        771
## Order est. (p)                   1          1
## Order bias  (q)                  2          2
## BW est. (h)                40.794     40.794
## BW bias (b)                77.406     77.406
## rho (h/b)                   0.527      0.527
## Unique Obs.                 2720       3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
```

```
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            455         771
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 40.794      40.794
## BW bias (b)                 77.406      77.406
## rho (h/b)                    0.527       0.527
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.038     0.079    -0.482     0.630    [-0.194 , 0.117]
##         Robust         -         -    -0.204     0.839    [-0.208 , 0.169]
## ===============================================================================
## Point 198 of 264
## Minimum treated distance is  3.100218
## There are 209 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.036079
## There are 102 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            368         756
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 38.913      38.913
## BW bias (b)                 75.182      75.182
## rho (h/b)                    0.518       0.518
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            368         756
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 38.913      38.913
## BW bias (b)                 75.182      75.182
## rho (h/b)                    0.518       0.518
```

```
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.018     0.085    -0.218     0.827    [-0.184 , 0.147]
##         Robust         -         -     0.034     0.973    [-0.196 , 0.203]
## ===============================================================================
## Point 199 of 264
## Minimum treated distance is  3.643057
## There are 198 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.189485
## There are 107 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            361         696
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 38.138      38.138
## BW bias (b)                 73.439      73.439
## rho (h/b)                    0.519       0.519
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            361         696
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 38.138      38.138
## BW bias (b)                 73.439      73.439
## rho (h/b)                    0.519       0.519
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.016     0.086    -0.185     0.854    [-0.184 , 0.153]
##         Robust         -         -     0.038     0.970    [-0.200 , 0.208]
## ===============================================================================
## Point 200 of 264
## Minimum treated distance is  2.247906
```

```
## There are 137 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.1644367
## There are 112 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            425        1504
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 51.667      51.667
## BW bias (b)                101.714     101.714
## rho (h/b)                    0.508       0.508
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            425        1504
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 51.667      51.667
## BW bias (b)                101.714     101.714
## rho (h/b)                    0.508       0.508
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.150     0.051    -2.930     0.003    [-0.251 , -0.050]
##         Robust         -         -    -2.028     0.043    [-0.249 , -0.004]
## ===============================================================================
## Point 201 of 264
## Minimum treated distance is  1.105004
## There are 142 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.122717
## There are 98 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
```

```
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             411        1594
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  52.441      52.441
## BW bias (b)                 102.200     102.200
## rho (h/b)                     0.513       0.513
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             411        1594
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  52.441      52.441
## BW bias (b)                 102.200     102.200
## rho (h/b)                     0.513       0.513
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.161     0.051    -3.172     0.002    [-0.260 , -0.061]
##         Robust         -         -    -2.221     0.026    [-0.259 , -0.016]
## ===============================================================================
## Point 202 of 264
## Minimum treated distance is  1.75376
## There are 145 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.674491
## There are 104 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             414        1555
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  51.938      51.938
## BW bias (b)                 101.797     101.797
## rho (h/b)                     0.510       0.510
## Unique Obs.                   2720        3447
##
```

```
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            414        1555
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 51.938      51.938
## BW bias (b)                101.797     101.797
## rho (h/b)                    0.510       0.510
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.160     0.050    -3.208     0.001    [-0.258 , -0.062]
##         Robust         -         -    -2.267     0.023    [-0.256 , -0.019]
## ===============================================================================
## Point 203 of 264
## Minimum treated distance is  2.249384
## There are 160 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.109056
## There are 94 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            397        1509
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 51.084      51.084
## BW bias (b)                101.373     101.373
## rho (h/b)                    0.504       0.504
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            397        1509
## Order est. (p)                   1           1
```

```
## Order bias  (q)                 2          2
## BW est. (h)                51.084     51.084
## BW bias (b)               101.373    101.373
## rho (h/b)                   0.504      0.504
## Unique Obs.                  2720       3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.167     0.050    -3.321     0.001    [-0.265 , -0.068]
##         Robust         -         -    -2.404     0.016    [-0.261 , -0.027]
## ===============================================================================
## Point 204 of 264
## Minimum treated distance is  2.611334
## There are 166 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.351582
## There are 79 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2995       4477
## Eff. Number of Obs.           210        606
## Order est. (p)                  1          1
## Order bias  (q)                 2          2
## BW est. (h)                34.648     34.648
## BW bias (b)                69.749     69.749
## rho (h/b)                   0.497      0.497
## Unique Obs.                  2720       3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2995       4477
## Eff. Number of Obs.           210        606
## Order est. (p)                  1          1
## Order bias  (q)                 2          2
## BW est. (h)                34.648     34.648
## BW bias (b)                69.749     69.749
## rho (h/b)                   0.497      0.497
## Unique Obs.                  2720       3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.031     0.084     0.369     0.712    [-0.133 , 0.195]
```

```
##         Robust         -         -     0.614     0.539    [-0.130 , 0.248]
## ================================================================================
## Point 205 of 264
## Minimum treated distance is  2.277982
## There are 181 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.365945
## There are 73 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            221         718
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 37.020      37.020
## BW bias (b)                 72.559      72.559
## rho (h/b)                    0.510       0.510
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            221         718
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 37.020      37.020
## BW bias (b)                 72.559      72.559
## rho (h/b)                    0.510       0.510
## Unique Obs.                   2720        3447
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional     0.007     0.080     0.087     0.931    [-0.151 , 0.165]
##         Robust         -         -     0.371     0.711    [-0.149 , 0.219]
## ================================================================================
## Point 206 of 264
## Minimum treated distance is  2.374474
## There are 231 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.376114
## There are 93 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
```

```
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            418         827
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 40.797      40.797
## BW bias (b)                 78.947      78.947
## rho (h/b)                    0.517       0.517
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            418         827
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 40.797      40.797
## BW bias (b)                 78.947      78.947
## rho (h/b)                    0.517       0.517
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.029     0.084    -0.340     0.734    [-0.193 , 0.136]
##         Robust         -         -    -0.045     0.964    [-0.201 , 0.192]
## ===============================================================================
## Point 207 of 264
## Minimum treated distance is  3.03714
## There are 242 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.339185
## There are 82 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            398         849
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 40.837      40.837
```

```
## BW bias (b)                 79.207      79.207
## rho (h/b)                    0.516       0.516
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            398         849
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 40.837      40.837
## BW bias (b)                 79.207      79.207
## rho (h/b)                    0.516       0.516
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.024     0.086    -0.277     0.782    [-0.191 , 0.144]
##         Robust         -         -     0.015     0.988    [-0.199 , 0.202]
## ===============================================================================
## Point 208 of 264
## Minimum treated distance is  2.940651
## There are 224 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.09841
## There are 93 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            380         811
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 39.929      39.929
## BW bias (b)                 76.971      76.971
## rho (h/b)                    0.519       0.519
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
```

```
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             380         811
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  39.929      39.929
## BW bias (b)                  76.971      76.971
## rho (h/b)                     0.519       0.519
## Unique Obs.                    2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.022     0.085    -0.259     0.796    [-0.188 , 0.144]
##         Robust         -         -     0.011     0.991    [-0.198 , 0.201]
## ===============================================================================
## Point 209 of 264
## Minimum treated distance is  2.094562
## There are 159 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.581572
## There are 81 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             356        1456
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  49.830      49.830
## BW bias (b)                  97.478      97.478
## rho (h/b)                     0.511       0.511
## Unique Obs.                    2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             356        1456
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  49.830      49.830
## BW bias (b)                  97.478      97.478
## rho (h/b)                     0.511       0.511
## Unique Obs.                    2720        3447
##
```

```
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.172     0.056    -3.062     0.002    [-0.282 , -0.062]
##         Robust         -         -    -2.191     0.028    [-0.280 , -0.016]
## ================================================================================
## Point 210 of 264
## Minimum treated distance is  2.445192
## There are 168 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.900716
## There are 78 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            312        1223
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 46.405      46.405
## BW bias (b)                 88.183      88.183
## rho (h/b)                    0.526       0.526
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            312        1223
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 46.405      46.405
## BW bias (b)                 88.183      88.183
## rho (h/b)                    0.526       0.526
## Unique Obs.                   2720        3447
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.174     0.061    -2.847     0.004    [-0.294 , -0.054]
##         Robust         -         -    -2.053     0.040    [-0.296 , -0.007]
## ================================================================================
## Point 211 of 264
## Minimum treated distance is  1.950805
## There are 176 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.371594
```

```
## There are 70 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            286        1147
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.808      44.808
## BW bias (b)                 79.793      79.793
## rho (h/b)                    0.562       0.562
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            286        1147
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.808      44.808
## BW bias (b)                 79.793      79.793
## rho (h/b)                    0.562       0.562
## Unique Obs.                   2720        3447
##
## ============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ============================================================================
##   Conventional    -0.174     0.062    -2.813     0.005    [-0.295 , -0.053]
##         Robust         -         -    -2.074     0.038    [-0.310 , -0.009]
## ============================================================================
## Point 212 of 264
## Minimum treated distance is  4.075774
## There are 183 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.8456944
## There are 115 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
```

```
## Eff. Number of Obs.            357         643
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 37.362      37.362
## BW bias (b)                 72.950      72.950
## rho (h/b)                    0.512       0.512
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            357         643
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 37.362      37.362
## BW bias (b)                 72.950      72.950
## rho (h/b)                    0.512       0.512
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.009     0.091    -0.103     0.918    [-0.188 , 0.169]
##         Robust         -         -     0.098     0.922    [-0.206 , 0.228]
## ===============================================================================
## Point 213 of 264
## Minimum treated distance is  3.262764
## There are 170 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.437783
## There are 115 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            297         491
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 32.977      32.977
## BW bias (b)                 67.070      67.070
## rho (h/b)                    0.492       0.492
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
```

```
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            297         491
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 32.977      32.977
## BW bias (b)                 67.070      67.070
## rho (h/b)                    0.492       0.492
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.035     0.091    -0.389     0.697    [-0.214 , 0.143]
##         Robust         -         -    -0.095     0.924    [-0.225 , 0.204]
## ===============================================================================
## Point 214 of 264
## Minimum treated distance is  1.936331
## There are 191 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.001721
## There are 67 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            218         755
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 37.689      37.689
## BW bias (b)                 74.037      74.037
## rho (h/b)                    0.509       0.509
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            218         755
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 37.689      37.689
```

```
## BW bias (b)                 74.037      74.037
## rho (h/b)                    0.509       0.509
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.001     0.078     0.007     0.994    [-0.152 , 0.153]
##         Robust         -         -     0.306     0.760    [-0.150 , 0.206]
## ===============================================================================
## Point 215 of 264
## Minimum treated distance is  2.034248
## There are 188 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.6636541
## There are 62 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            223         826
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 38.955      38.955
## BW bias (b)                 74.996      74.996
## rho (h/b)                    0.519       0.519
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            223         826
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 38.955      38.955
## BW bias (b)                 74.996      74.996
## rho (h/b)                    0.519       0.519
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.020     0.078    -0.250     0.802    [-0.173 , 0.134]
##         Robust         -         -     0.085     0.932    [-0.173 , 0.189]
## ===============================================================================
```

```
## Point 216 of 264
## Minimum treated distance is  1.570597
## There are 180 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.7135965
## There are 63 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            223         807
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 38.579      38.579
## BW bias (b)                 73.723      73.723
## rho (h/b)                    0.523       0.523
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            223         807
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 38.579      38.579
## BW bias (b)                 73.723      73.723
## rho (h/b)                    0.523       0.523
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.024     0.077    -0.306     0.760    [-0.176 , 0.128]
##         Robust         -         -     0.032     0.974    [-0.176 , 0.182]
## ===============================================================================
## Point 217 of 264
## Minimum treated distance is  1.49441
## There are 189 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.10814
## There are 63 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
```

```
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            222         832
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 38.713      38.713
## BW bias (b)                 72.372      72.372
## rho (h/b)                    0.535       0.535
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            222         832
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 38.713      38.713
## BW bias (b)                 72.372      72.372
## rho (h/b)                    0.535       0.535
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.046     0.080    -0.573     0.567    [-0.201 , 0.110]
##         Robust         -         -    -0.207     0.836    [-0.205 , 0.166]
## ===============================================================================
## Point 218 of 264
## Minimum treated distance is  2.312042
## There are 203 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.666584
## There are 59 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            221         905
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 39.857      39.857
## BW bias (b)                 72.110      72.110
## rho (h/b)                    0.553       0.553
```

```
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            221         905
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 39.857      39.857
## BW bias (b)                 72.110      72.110
## rho (h/b)                    0.553       0.553
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.078     0.077    -1.008     0.313    [-0.230 , 0.074]
##         Robust         -         -    -0.588     0.557    [-0.239 , 0.129]
## ===============================================================================
## Point 219 of 264
## Minimum treated distance is  2.79377
## There are 203 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.981326
## There are 59 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            215         883
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 39.308      39.308
## BW bias (b)                 70.962      70.962
## rho (h/b)                    0.554       0.554
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
```

```
## Eff. Number of Obs.            215         883
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 39.308      39.308
## BW bias (b)                 70.962      70.962
## rho (h/b)                    0.554       0.554
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.083     0.077    -1.089     0.276    [-0.233 , 0.067]
##         Robust         -         -    -0.660     0.509    [-0.243 , 0.121]
## ===============================================================================
## Point 220 of 264
## Minimum treated distance is  3.118063
## There are 200 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.16854
## There are 62 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            206         831
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 38.122      38.122
## BW bias (b)                 69.711      69.711
## rho (h/b)                    0.547       0.547
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            206         831
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 38.122      38.122
## BW bias (b)                 69.711      69.711
## rho (h/b)                    0.547       0.547
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
```

```
## ================================================================================
##   Conventional    -0.076     0.076    -1.006     0.314    [-0.224 , 0.072]
##         Robust         -         -    -0.594     0.553    [-0.233 , 0.124]
## ================================================================================
## Point 221 of 264
## Minimum treated distance is  2.139087
## There are 185 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  3.547531
## There are 68 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            234         993
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.509      41.509
## BW bias (b)                 71.474      71.474
## rho (h/b)                    0.581       0.581
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            234         993
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.509      41.509
## BW bias (b)                 71.474      71.474
## rho (h/b)                    0.581       0.581
## Unique Obs.                   2720        3447
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.169     0.069    -2.464     0.014    [-0.304 , -0.035]
##         Robust         -         -    -1.965     0.049    [-0.340 , -0.000]
## ================================================================================
## Point 222 of 264
## Minimum treated distance is  2.743114
## There are 202 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.304134
## There are 62 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
```

```
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            213         881
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 38.963      38.963
## BW bias (b)                 70.167      70.167
## rho (h/b)                    0.555       0.555
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            213         881
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 38.963      38.963
## BW bias (b)                 70.167      70.167
## rho (h/b)                    0.555       0.555
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.093     0.073    -1.278     0.201    [-0.235 , 0.050]
##         Robust         -         -    -0.825     0.410    [-0.245 , 0.100]
## ===============================================================================
## Point 223 of 264
## Minimum treated distance is  1.807571
## There are 213 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.848551
## There are 59 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            255        1156
## Order est. (p)                   1           1
```

```
## Order bias  (q)                 2          2
## BW est. (h)                44.469     44.469
## BW bias (b)                85.891     85.891
## rho (h/b)                   0.518      0.518
## Unique Obs.                 2720       3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995       4477
## Eff. Number of Obs.            255       1156
## Order est. (p)                   1          1
## Order bias  (q)                  2          2
## BW est. (h)                44.469     44.469
## BW bias (b)                85.891     85.891
## rho (h/b)                   0.518      0.518
## Unique Obs.                 2720       3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.139     0.065    -2.144     0.032    [-0.266 , -0.012]
##         Robust         -         -    -1.493     0.135    [-0.262 , 0.035]
## ===============================================================================
## Point 224 of 264
## Minimum treated distance is  2.891669
## There are 190 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.772619
## There are 63 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995       4477
## Eff. Number of Obs.            265       1212
## Order est. (p)                   1          1
## Order bias  (q)                  2          2
## BW est. (h)                45.317     45.317
## BW bias (b)                83.759     83.759
## rho (h/b)                   0.541      0.541
## Unique Obs.                 2720       3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
```

```
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            265        1212
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.317      45.317
## BW bias (b)                 83.759      83.759
## rho (h/b)                    0.541       0.541
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.159     0.062    -2.558     0.011    [-0.280 , -0.037]
##         Robust         -         -    -1.847     0.065    [-0.283 , 0.008]
## ===============================================================================
## Point 225 of 264
## Minimum treated distance is  3.315101
## There are 180 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.768726
## There are 63 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            209         899
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 39.310      39.310
## BW bias (b)                 68.594      68.594
## rho (h/b)                    0.573       0.573
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            209         899
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 39.310      39.310
## BW bias (b)                 68.594      68.594
## rho (h/b)                    0.573       0.573
```

```
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.156     0.066    -2.377     0.017    [-0.285 , -0.027]
##         Robust         -         -    -1.862     0.063    [-0.315 , 0.008]
## ===============================================================================
## Point 226 of 264
## Minimum treated distance is  2.639569
## There are 163 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.967045
## There are 105 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            224         384
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 29.423      29.423
## BW bias (b)                 63.274      63.274
## rho (h/b)                    0.465       0.465
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            224         384
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 29.423      29.423
## BW bias (b)                 63.274      63.274
## rho (h/b)                    0.465       0.465
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.027     0.090    -0.295     0.768    [-0.203 , 0.150]
##         Robust         -         -     0.075     0.940    [-0.198 , 0.214]
## ===============================================================================
## Point 227 of 264
## Minimum treated distance is  10.72725
```

```
## There are 24 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.103325
## There are 144 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            732         661
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 53.160      53.160
## BW bias (b)                101.882     101.882
## rho (h/b)                    0.522       0.522
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            732         661
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 53.160      53.160
## BW bias (b)                101.882     101.882
## rho (h/b)                    0.522       0.522
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.013     0.087    -0.147     0.883    [-0.182 , 0.157]
##         Robust         -         -    -0.024     0.981    [-0.214 , 0.209]
## ===============================================================================
## Point 228 of 264
## Minimum treated distance is  9.241753
## There are 28 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.306612
## There are 130 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
```

```
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             685         621
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  50.530      50.530
## BW bias (b)                  96.153      96.153
## rho (h/b)                     0.526       0.526
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             685         621
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  50.530      50.530
## BW bias (b)                  96.153      96.153
## rho (h/b)                     0.526       0.526
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.015     0.084    -0.176     0.860    [-0.179 , 0.150]
##         Robust         -         -    -0.035     0.972    [-0.208 , 0.200]
## ===============================================================================
## Point 229 of 264
## Minimum treated distance is  1.506796
## There are 188 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.161192
## There are 91 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             229         457
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  31.297      31.297
## BW bias (b)                  62.545      62.545
## rho (h/b)                     0.500       0.500
## Unique Obs.                   2720        3447
##
```

```
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            229         457
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 31.297      31.297
## BW bias (b)                 62.545      62.545
## rho (h/b)                    0.500       0.500
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.034     0.088    -0.385     0.700    [-0.207 , 0.139]
##         Robust         -         -    -0.061     0.951    [-0.214 , 0.201]
## ===============================================================================
## Point 230 of 264
## Minimum treated distance is  9.199009
## There are 24 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  3.009719
## There are 129 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            756         730
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 56.210      56.210
## BW bias (b)                104.970     104.970
## rho (h/b)                    0.535       0.535
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            756         730
## Order est. (p)                   1           1
```

```
## Order bias  (q)                 2          2
## BW est. (h)                56.210     56.210
## BW bias (b)               104.970    104.970
## rho (h/b)                   0.535      0.535
## Unique Obs.                  2720       3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.054     0.083    -0.649     0.517    [-0.215 , 0.108]
##         Robust         -         -    -0.469     0.639    [-0.253 , 0.155]
## ===============================================================================
## Point 231 of 264
## Minimum treated distance is  3.057509
## There are 201 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.518142
## There are 79 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2995       4477
## Eff. Number of Obs.           246        581
## Order est. (p)                  1          1
## Order bias  (q)                 2          2
## BW est. (h)                34.523     34.523
## BW bias (b)                63.241     63.241
## rho (h/b)                   0.546      0.546
## Unique Obs.                  2720       3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2995       4477
## Eff. Number of Obs.           246        581
## Order est. (p)                  1          1
## Order bias  (q)                 2          2
## BW est. (h)                34.523     34.523
## BW bias (b)                63.241     63.241
## rho (h/b)                   0.546      0.546
## Unique Obs.                  2720       3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.047     0.083    -0.564     0.573    [-0.209 , 0.116]
```

```
##         Robust         -         -    -0.309     0.757    [-0.231 , 0.168]
## ================================================================================
## Point 232 of 264
## Minimum treated distance is  2.821039
## There are 192 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.678164
## There are 75 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            250         630
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 36.170      36.170
## BW bias (b)                 65.192      65.192
## rho (h/b)                    0.555       0.555
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            250         630
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 36.170      36.170
## BW bias (b)                 65.192      65.192
## rho (h/b)                    0.555       0.555
## Unique Obs.                   2720        3447
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.055     0.081    -0.683     0.494    [-0.214 , 0.103]
##         Robust         -         -    -0.484     0.629    [-0.243 , 0.147]
## ================================================================================
## Point 233 of 264
## Minimum treated distance is  6.096555
## There are 52 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.46995
## There are 119 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
```

```
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            634         705
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.302      49.302
## BW bias (b)                 90.153      90.153
## rho (h/b)                    0.547       0.547
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            634         705
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.302      49.302
## BW bias (b)                 90.153      90.153
## rho (h/b)                    0.547       0.547
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.043     0.088    -0.489     0.625    [-0.214 , 0.129]
##         Robust         -         -    -0.294     0.769    [-0.246 , 0.181]
## ===============================================================================
## Point 234 of 264
## Minimum treated distance is  2.460754
## There are 74 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.176627
## There are 109 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            567         722
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 46.650      46.650
```

```
## BW bias (b)                 83.417      83.417
## rho (h/b)                    0.559       0.559
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            567         722
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 46.650      46.650
## BW bias (b)                 83.417      83.417
## rho (h/b)                    0.559       0.559
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.042     0.082    -0.513     0.608    [-0.202 , 0.118]
##         Robust         -         -    -0.305     0.761    [-0.229 , 0.167]
## ===============================================================================
## Point 235 of 264
## Minimum treated distance is  2.952384
## There are 114 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.396232
## There are 98 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            431         662
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.476      41.476
## BW bias (b)                 74.108      74.108
## rho (h/b)                    0.560       0.560
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
```

```
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             431         662
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  41.476      41.476
## BW bias (b)                  74.108      74.108
## rho (h/b)                     0.560       0.560
## Unique Obs.                    2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.028     0.083    -0.338     0.736    [-0.191 , 0.135]
##         Robust         -         -    -0.151     0.880    [-0.214 , 0.183]
## ===============================================================================
## Point 236 of 264
## Minimum treated distance is  3.037062
## There are 194 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.497642
## There are 73 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             264         641
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  37.272      37.272
## BW bias (b)                  66.101      66.101
## rho (h/b)                     0.564       0.564
## Unique Obs.                    2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             264         641
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  37.272      37.272
## BW bias (b)                  66.101      66.101
## rho (h/b)                     0.564       0.564
## Unique Obs.                    2720        3447
##
```

```
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.063     0.082    -0.765     0.444    [-0.223 , 0.098]
##         Robust         -         -    -0.580     0.562    [-0.254 , 0.138]
## ================================================================================
## Point 237 of 264
## Minimum treated distance is  1.990784
## There are 162 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.9978224
## There are 79 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            324         671
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 39.454      39.454
## BW bias (b)                 69.091      69.091
## rho (h/b)                    0.571       0.571
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            324         671
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 39.454      39.454
## BW bias (b)                 69.091      69.091
## rho (h/b)                    0.571       0.571
## Unique Obs.                   2720        3447
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.054     0.083    -0.656     0.512    [-0.217 , 0.108]
##         Robust         -         -    -0.468     0.640    [-0.246 , 0.151]
## ================================================================================
## Point 238 of 264
## Minimum treated distance is  1.576222
## There are 85 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.8193817
```

```
## There are 98 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            569         767
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 47.562      47.562
## BW bias (b)                 83.062      83.062
## rho (h/b)                    0.573       0.573
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            569         767
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 47.562      47.562
## BW bias (b)                 83.062      83.062
## rho (h/b)                    0.573       0.573
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.057     0.079    -0.718     0.473    [-0.213 , 0.099]
##         Robust         -         -    -0.490     0.624    [-0.241 , 0.145]
## ===============================================================================
## Point 239 of 264
## Minimum treated distance is  1.141843
## There are 107 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.564278
## There are 83 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
```

```
## Eff. Number of Obs.            585         890
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 50.090      50.090
## BW bias (b)                 85.498      85.498
## rho (h/b)                    0.586       0.586
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            585         890
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 50.090      50.090
## BW bias (b)                 85.498      85.498
## rho (h/b)                    0.586       0.586
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.092     0.075    -1.234     0.217    [-0.239 , 0.054]
##         Robust         -         -    -0.937     0.349    [-0.271 , 0.096]
## ===============================================================================
## Point 240 of 264
## Minimum treated distance is  0.9294689
## There are 92 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.8718363
## There are 95 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            569         805
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 48.273      48.273
## BW bias (b)                 83.368      83.368
## rho (h/b)                    0.579       0.579
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
```

```
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            569         805
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 48.273      48.273
## BW bias (b)                 83.368      83.368
## rho (h/b)                    0.579       0.579
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.072     0.075    -0.960     0.337    [-0.219 , 0.075]
##         Robust         -         -    -0.708     0.479    [-0.249 , 0.117]
## ===============================================================================
## Point 241 of 264
## Minimum treated distance is  0.9892266
## There are 102 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.554227
## There are 87 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            602         898
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 50.704      50.704
## BW bias (b)                 86.668      86.668
## rho (h/b)                    0.585       0.585
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            602         898
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 50.704      50.704
```

```
## BW bias (b)                 86.668      86.668
## rho (h/b)                    0.585       0.585
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.093     0.076    -1.228     0.219    [-0.242 , 0.055]
##         Robust         -         -    -0.918     0.359    [-0.272 , 0.099]
## ===============================================================================
## Point 242 of 264
## Minimum treated distance is  1.353772
## There are 112 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.6702041
## There are 91 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            541         823
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 47.206      47.206
## BW bias (b)                 80.510      80.510
## rho (h/b)                    0.586       0.586
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            541         823
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 47.206      47.206
## BW bias (b)                 80.510      80.510
## rho (h/b)                    0.586       0.586
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.068     0.078    -0.866     0.386    [-0.222 , 0.086]
##         Robust         -         -    -0.636     0.525    [-0.253 , 0.129]
## ===============================================================================
```

```
## Point 243 of 264
## Minimum treated distance is  7.41361
## There are 26 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.323748
## There are 119 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            789         838
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 60.191      60.191
## BW bias (b)                109.156     109.156
## rho (h/b)                    0.551       0.551
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            789         838
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 60.191      60.191
## BW bias (b)                109.156     109.156
## rho (h/b)                    0.551       0.551
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.104     0.080    -1.300     0.194    [-0.261 , 0.053]
##         Robust         -         -    -1.025     0.306    [-0.306 , 0.096]
## ===============================================================================
## Point 244 of 264
## Minimum treated distance is  6.241445
## There are 29 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.807784
## There are 109 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
```

```
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            759         815
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 59.519      59.519
## BW bias (b)                107.943     107.943
## rho (h/b)                    0.551       0.551
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            759         815
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 59.519      59.519
## BW bias (b)                107.943     107.943
## rho (h/b)                    0.551       0.551
## Unique Obs.                   2720        3447
##
## ============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ============================================================================
##   Conventional    -0.117     0.079    -1.479     0.139    [-0.272 , 0.038]
##         Robust         -         -    -1.205     0.228    [-0.319 , 0.076]
## ============================================================================
## Point 245 of 264
## Minimum treated distance is  1.553364
## There are 125 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.8372645
## There are 87 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            492         797
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.518      45.518
## BW bias (b)                 77.936      77.936
## rho (h/b)                    0.584       0.584
```

```
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            492         797
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.518      45.518
## BW bias (b)                 77.936      77.936
## rho (h/b)                    0.584       0.584
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.073     0.076    -0.951     0.342    [-0.222 , 0.077]
##         Robust         -         -    -0.723     0.469    [-0.254 , 0.117]
## ===============================================================================
## Point 246 of 264
## Minimum treated distance is  1.808081
## There are 151 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.060481
## There are 80 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            432         775
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 43.505      43.505
## BW bias (b)                 74.655      74.655
## rho (h/b)                    0.583       0.583
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
```

```
## Eff. Number of Obs.            432         775
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 43.505      43.505
## BW bias (b)                 74.655      74.655
## rho (h/b)                    0.583       0.583
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.071     0.079    -0.906     0.365    [-0.226 , 0.083]
##         Robust         -         -    -0.684     0.494    [-0.257 , 0.124]
## ===============================================================================
## Point 247 of 264
## Minimum treated distance is  2.003773
## There are 143 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  0.8919879
## There are 79 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            478         843
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.863      45.863
## BW bias (b)                 77.801      77.801
## rho (h/b)                    0.589       0.589
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            478         843
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.863      45.863
## BW bias (b)                 77.801      77.801
## rho (h/b)                    0.589       0.589
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
```

```
## ================================================================================
##   Conventional    -0.088     0.077    -1.136     0.256    [-0.239 , 0.064]
##         Robust         -         -    -0.910     0.363    [-0.275 , 0.100]
## ================================================================================
## Point 248 of 264
## Minimum treated distance is  2.368368
## There are 36 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  3.885236
## There are 81 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            664         720
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 55.856      55.856
## BW bias (b)                102.483     102.483
## rho (h/b)                    0.545       0.545
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            664         720
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 55.856      55.856
## BW bias (b)                102.483     102.483
## rho (h/b)                    0.545       0.545
## Unique Obs.                   2720        3447
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.143     0.084    -1.711     0.087    [-0.307 , 0.021]
##         Robust         -         -    -1.486     0.137    [-0.359 , 0.049]
## ================================================================================
## Point 249 of 264
## Minimum treated distance is  3.432361
## There are 24 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.782977
## There are 108 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
```

```
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            629         541
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 53.992      53.992
## BW bias (b)                 96.523      96.523
## rho (h/b)                    0.559       0.559
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            629         541
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 53.992      53.992
## BW bias (b)                 96.523      96.523
## rho (h/b)                    0.559       0.559
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.099     0.105    -0.945     0.345    [-0.304 , 0.106]
##         Robust         -         -    -0.694     0.488    [-0.348 , 0.166]
## ===============================================================================
## Point 250 of 264
## Minimum treated distance is  2.52529
## There are 34 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.842352
## There are 85 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            642         659
## Order est. (p)                   1           1
```

```
## Order bias  (q)                 2          2
## BW est. (h)                55.732     55.732
## BW bias (b)               101.176    101.176
## rho (h/b)                   0.551      0.551
## Unique Obs.                  2720       3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995       4477
## Eff. Number of Obs.            642        659
## Order est. (p)                   1          1
## Order bias  (q)                  2          2
## BW est. (h)                55.732     55.732
## BW bias (b)               101.176    101.176
## rho (h/b)                   0.551      0.551
## Unique Obs.                  2720       3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.149     0.093    -1.606     0.108    [-0.331 , 0.033]
##         Robust         -         -    -1.394     0.163    [-0.389 , 0.066]
## ===============================================================================
## Point 251 of 264
## Minimum treated distance is  2.34118
## There are 57 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  5.938389
## There are 68 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995       4477
## Eff. Number of Obs.            591        667
## Order est. (p)                   1          1
## Order bias  (q)                  2          2
## BW est. (h)                53.622     53.622
## BW bias (b)                99.830     99.830
## rho (h/b)                   0.537      0.537
## Unique Obs.                  2720       3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
```

```
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            591         667
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 53.622      53.622
## BW bias (b)                 99.830      99.830
## rho (h/b)                    0.537       0.537
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.165     0.094    -1.762     0.078    [-0.349 , 0.019]
##         Robust         -         -    -1.576     0.115    [-0.410 , 0.045]
## ===============================================================================
## Point 252 of 264
## Minimum treated distance is  3.310237
## There are 16 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.009346
## There are 113 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            478         195
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.587      44.587
## BW bias (b)                 86.835      86.835
## rho (h/b)                    0.513       0.513
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            478         195
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.587      44.587
## BW bias (b)                 86.835      86.835
## rho (h/b)                    0.513       0.513
```

```
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.116     0.137     0.843     0.399    [-0.154 , 0.385]
##         Robust         -         -     0.935     0.350    [-0.163 , 0.459]
## ===============================================================================
## Point 253 of 264
## Minimum treated distance is  2.89503
## There are 19 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  3.329489
## There are 102 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            517         376
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 50.907      50.907
## BW bias (b)                 91.212      91.212
## rho (h/b)                    0.558       0.558
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            517         376
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 50.907      50.907
## BW bias (b)                 91.212      91.212
## rho (h/b)                    0.558       0.558
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.041     0.103    -0.396     0.692    [-0.243 , 0.161]
##         Robust         -         -    -0.179     0.858    [-0.269 , 0.224]
## ===============================================================================
## Point 254 of 264
## Minimum treated distance is  2.710215
```

```
## There are 20 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.786664
## There are 105 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            524         466
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 54.394      54.394
## BW bias (b)                 93.283      93.283
## rho (h/b)                    0.583       0.583
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            524         466
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 54.394      54.394
## BW bias (b)                 93.283      93.283
## rho (h/b)                    0.583       0.583
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.141     0.093    -1.509     0.131    [-0.324 , 0.042]
##         Robust         -         -    -1.182     0.237    [-0.366 , 0.091]
## ===============================================================================
## Point 255 of 264
## Minimum treated distance is  3.040188
## There are 21 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.686289
## There are 98 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
```

```
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             512         471
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  54.977      54.977
## BW bias (b)                  93.560      93.560
## rho (h/b)                     0.588       0.588
## Unique Obs.                    2720        3447
##
## Call: rdrobust
##
## Number of Obs.                  7472
## BW type                        mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             512         471
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  54.977      54.977
## BW bias (b)                  93.560      93.560
## rho (h/b)                     0.588       0.588
## Unique Obs.                    2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.161     0.091    -1.768     0.077    [-0.340 , 0.018]
##         Robust         -         -    -1.424     0.155    [-0.384 , 0.061]
## ===============================================================================
## Point 256 of 264
## Minimum treated distance is  3.092097
## There are 23 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.578687
## There are 88 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                  7472
## BW type                        mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             474         453
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  53.745      53.745
## BW bias (b)                  90.777      90.777
## rho (h/b)                     0.592       0.592
## Unique Obs.                    2720        3447
##
```

```
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            474         453
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 53.745      53.745
## BW bias (b)                 90.777      90.777
## rho (h/b)                    0.592       0.592
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.177     0.086    -2.067     0.039    [-0.345 , -0.009]
##         Robust         -         -    -1.688     0.091    [-0.388 , 0.029]
## ===============================================================================
## Point 257 of 264
## Minimum treated distance is  2.605541
## There are 24 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.753248
## There are 82 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            464         482
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 54.549      54.549
## BW bias (b)                 92.183      92.183
## rho (h/b)                    0.592       0.592
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            464         482
## Order est. (p)                   1           1
```

```
## Order bias  (q)                 2           2
## BW est. (h)                54.549      54.549
## BW bias (b)                92.183      92.183
## rho (h/b)                   0.592       0.592
## Unique Obs.                  2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.209     0.092    -2.261     0.024    [-0.390 , -0.028]
##         Robust         -         -    -1.944     0.052    [-0.445 , 0.002]
## ===============================================================================
## Point 258 of 264
## Minimum treated distance is  3.124564
## There are 22 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.048544
## There are 77 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           431         432
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                53.583      53.583
## BW bias (b)                92.673      92.673
## rho (h/b)                   0.578       0.578
## Unique Obs.                  2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2995        4477
## Eff. Number of Obs.           431         432
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                53.583      53.583
## BW bias (b)                92.673      92.673
## rho (h/b)                   0.578       0.578
## Unique Obs.                  2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.210     0.087    -2.399     0.016    [-0.381 , -0.038]
```

```
##         Robust         -         -    -2.104     0.035    [-0.434 , -0.015]
## ================================================================================
## Point 259 of 264
## Minimum treated distance is  2.770014
## There are 26 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.218474
## There are 73 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            400         424
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 52.356      52.356
## BW bias (b)                 92.344      92.344
## rho (h/b)                    0.567       0.567
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            400         424
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 52.356      52.356
## BW bias (b)                 92.344      92.344
## rho (h/b)                    0.567       0.567
## Unique Obs.                   2720        3447
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.228     0.095    -2.408     0.016    [-0.414 , -0.042]
##         Robust         -         -    -2.196     0.028    [-0.476 , -0.027]
## ================================================================================
## Point 260 of 264
## Minimum treated distance is  3.469759
## There are 28 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  2.229633
## There are 71 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
```

```
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            373         387
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 50.392      50.392
## BW bias (b)                 92.847      92.847
## rho (h/b)                    0.543       0.543
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            373         387
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 50.392      50.392
## BW bias (b)                 92.847      92.847
## rho (h/b)                    0.543       0.543
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.238     0.099    -2.409     0.016    [-0.432 , -0.044]
##         Robust         -         -    -2.295     0.022    [-0.499 , -0.039]
## ===============================================================================
## Point 261 of 264
## Minimum treated distance is  4.38731
## There are 26 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.452091
## There are 67 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            343         356
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.707      49.707
```

```
## BW bias (b)                 94.166      94.166
## rho (h/b)                    0.528       0.528
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            343         356
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.707      49.707
## BW bias (b)                 94.166      94.166
## rho (h/b)                    0.528       0.528
## Unique Obs.                   2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.222     0.098    -2.264     0.024    [-0.415 , -0.030]
##         Robust         -         -    -2.200     0.028    [-0.480 , -0.028]
## ===============================================================================
## Point 262 of 264
## Minimum treated distance is  4.060552
## There are 22 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.993896
## There are 64 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            326         350
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.988      49.988
## BW bias (b)                 93.189      93.189
## rho (h/b)                    0.536       0.536
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                7472
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
```

```
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             326         350
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  49.988      49.988
## BW bias (b)                  93.189      93.189
## rho (h/b)                     0.536       0.536
## Unique Obs.                    2720        3447
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.229     0.106    -2.149     0.032    [-0.437 , -0.020]
##         Robust         -         -    -2.069     0.039    [-0.507 , -0.014]
## ===============================================================================
## Point 263 of 264
## Minimum treated distance is  4.104427
## There are 20 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.988317
## There are 63 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             321         345
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  50.139      50.139
## BW bias (b)                  93.010      93.010
## rho (h/b)                     0.539       0.539
## Unique Obs.                    2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2995        4477
## Eff. Number of Obs.             321         345
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  50.139      50.139
## BW bias (b)                  93.010      93.010
## rho (h/b)                     0.539       0.539
## Unique Obs.                    2720        3447
##
```

```
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.229     0.109    -2.100     0.036    [-0.444 , -0.015]
##         Robust         -         -    -2.017     0.044    [-0.515 , -0.007]
## ================================================================================
## Point 264 of 264
## Minimum treated distance is  4.0873
## There are 20 Tr observations with positive weights out of 4477 Tr obs
## Minimum control distance is  1.851835
## There are 63 Co observations with positive weights out of 2995 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            296         335
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.676      49.676
## BW bias (b)                 91.781      91.781
## rho (h/b)                    0.541       0.541
## Unique Obs.                   2720        3447
##
## Call: rdrobust
##
## Number of Obs.                 7472
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2995        4477
## Eff. Number of Obs.            296         335
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.676      49.676
## BW bias (b)                 91.781      91.781
## rho (h/b)                    0.541       0.541
## Unique Obs.                   2720        3447
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.226     0.107    -2.115     0.034    [-0.435 , -0.017]
##         Robust         -         -    -2.026     0.043    [-0.506 , -0.008]
## ================================================================================
##
##
##
## ------------------------------------------------------
```

```
## Final results -- Outcome pucca_binary
##     Point Estimate Conv-CIl Conv-CIu hfix Ntr-hfix Nco-hfix Rob-CIl Rob-CIu
## 1       1    -0.08    -0.16     0.01   20       44       68   -0.17    0.03
## 2       2    -0.13    -0.22    -0.03   20       42       74   -0.24   -0.01
## 3       3    -0.15    -0.25    -0.05   20       39       80   -0.27   -0.03
## 4       4    -0.25    -0.38    -0.11   20      133      202   -0.43   -0.12
## 5       5    -0.21    -0.34    -0.08   20      134      213   -0.39   -0.09
## 6       6    -0.19    -0.32    -0.05   20      132      207   -0.36   -0.05
## 7       7    -0.19    -0.30    -0.08   20       42       83   -0.30   -0.04
## 8       8    -0.20    -0.31    -0.09   20       47       80   -0.31   -0.05
## 9       9    -0.19    -0.29    -0.08   20       63       64   -0.31   -0.05
## 10     10    -0.18    -0.29    -0.08   20       66       60   -0.32   -0.05
## 11     11    -0.20    -0.31    -0.09   20       60       71   -0.31   -0.05
## 12     12    -0.20    -0.31    -0.09   20       51       74   -0.32   -0.06
## 13     13    -0.19    -0.30    -0.08   20       79       59   -0.31   -0.04
## 14     14    -0.25    -0.40    -0.10   20       88       57   -0.45   -0.11
## 15     15    -0.27    -0.40    -0.13   20      139      202   -0.45   -0.14
## 16     16    -0.29    -0.43    -0.15   20      139      194   -0.48   -0.15
## 17     17    -0.33    -0.46    -0.20   20      172      152   -0.50   -0.19
## 18     18    -0.33    -0.47    -0.20   20      170      157   -0.51   -0.19
## 19     19    -0.29    -0.44    -0.15   20      142      191   -0.48   -0.16
## 20     20    -0.32    -0.45    -0.19   20      153      182   -0.50   -0.20
## 21     21    -0.33    -0.46    -0.19   20      156      170   -0.51   -0.19
## 22     22    -0.18    -0.31    -0.05   20      140      202   -0.35   -0.04
## 23     23    -0.18    -0.31    -0.06   20      145      201   -0.36   -0.06
## 24     24    -0.32    -0.46    -0.19   20      159      165   -0.50   -0.19
## 25     25    -0.33    -0.46    -0.20   20      172      154   -0.50   -0.20
## 26     26    -0.36    -0.50    -0.21   20      165      159   -0.55   -0.22
## 27     27    -0.33    -0.47    -0.19   20      174      161   -0.52   -0.20
## 28     28    -0.33    -0.48    -0.19   20      169      162   -0.52   -0.18
## 29     29    -0.33    -0.46    -0.20   20      175      158   -0.50   -0.19
## 30     30    -0.35    -0.51    -0.20   20      164      165   -0.56   -0.21
## 31     31    -0.18    -0.31    -0.05   20      145      199   -0.36   -0.05
## 32     32    -0.16    -0.29    -0.03   20      148      198   -0.34   -0.03
## 33     33    -0.17    -0.30    -0.04   20      153      196   -0.34   -0.04
## 34     34    -0.25    -0.41    -0.09   20       96       57   -0.46   -0.10
## 35     35    -0.28    -0.45    -0.11   20      104       55   -0.50   -0.12
## 36     36    -0.36    -0.54    -0.17   20      113       53   -0.59   -0.18
## 37     37    -0.41    -0.62    -0.20   20      116       46   -0.68   -0.21
## 38     38    -0.17    -0.29    -0.04   20      153      197   -0.34   -0.04
## 39     39    -0.15    -0.28    -0.03   20      166      190   -0.33   -0.02
## 40     40    -0.15    -0.28    -0.02   20      179      180   -0.33   -0.02
## 41     41    -0.15    -0.27    -0.02   20      189      171   -0.32   -0.01
## 42     42    -0.36    -0.49    -0.22   20      184      142   -0.54   -0.24
## 43     43    -0.14    -0.27    -0.02   20      195      168   -0.31   -0.01
## 44     44    -0.37    -0.49    -0.25   20      199      131   -0.53   -0.26
## 45     45    -0.33    -0.42    -0.25   20      191      137   -0.46   -0.25
## 46     46    -0.33    -0.42    -0.25   20      193      135   -0.46   -0.25
## 47     47    -0.32    -0.47    -0.18   20      193      137   -0.52   -0.19
## 48     48    -0.32    -0.46    -0.17   20      205      135   -0.51   -0.19
## 49     49    -0.32    -0.47    -0.18   20      209      132   -0.51   -0.19
## 50     50    -0.36    -0.49    -0.24   20      205      122   -0.53   -0.26
## 51     51    -0.35    -0.49    -0.21   20      195      137   -0.53   -0.23
## 52     52    -0.34    -0.47    -0.20   20      213      124   -0.51   -0.21
```

```
## 53     53    -0.35    -0.49    -0.20   20      216      118   -0.54   -0.22
## 54     54    -0.35    -0.48    -0.22   20      221      117   -0.52   -0.23
## 55     55    -0.33    -0.42    -0.25   20      176      147   -0.45   -0.25
## 56     56    -0.36    -0.48    -0.25   20      161      152   -0.52   -0.26
## 57     57    -0.13    -0.26    -0.01   20      202      162   -0.30   -0.01
## 58     58    -0.13    -0.26     0.00   20      205      158   -0.30   -0.01
## 59     59    -0.13    -0.26     0.01   20      211      153   -0.31    0.00
## 60     60    -0.47    -0.70    -0.23   20      124       45   -0.76   -0.25
## 61     61    -0.53    -0.79    -0.27   20      123       45   -0.85   -0.29
## 62     62    -0.59    -0.89    -0.29   20      124       47   -0.96   -0.32
## 63     63    -0.35    -0.46    -0.24   20      160      151   -0.51   -0.24
## 64     64    -0.35    -0.46    -0.24   20      157      150   -0.50   -0.24
## 65     65    -0.11    -0.25     0.03   20      173      200   -0.30    0.04
## 66     66    -0.11    -0.25     0.03   20      166      209   -0.30    0.05
## 67     67    -0.74    -1.02    -0.46   20      132       49   -1.10   -0.50
## 68     68    -0.37    -0.48    -0.26   20      212      123   -0.52   -0.27
## 69     69    -0.35    -0.45    -0.25   20      203      126   -0.49   -0.25
## 70     70    -0.37    -0.48    -0.25   20      215      123   -0.52   -0.26
## 71     71    -0.13    -0.25    -0.01   20      213      147   -0.30    0.00
## 72     72    -0.13    -0.25    -0.01   20      216      144   -0.30    0.00
## 73     73    -0.13    -0.26     0.00   20      218      140   -0.31    0.00
## 74     74    -0.14    -0.26    -0.01   20      226      136   -0.30   -0.01
## 75     75    -0.13    -0.26     0.00   20      234      121   -0.31    0.00
## 76     76    -0.14    -0.28    -0.01   20      249      113   -0.33   -0.01
## 77     77    -0.11    -0.25     0.03   20      254      106   -0.30    0.04
## 78     78    -0.32    -0.43    -0.22   20      157      151   -0.47   -0.21
## 79     79    -0.31    -0.41    -0.21   20      157      143   -0.45   -0.20
## 80     80    -0.11    -0.24     0.03   20      184      186   -0.29    0.04
## 81     81    -0.10    -0.24     0.04   20      155      206   -0.28    0.06
## 82     82    -0.10    -0.24     0.03   20      167      207   -0.28    0.05
## 83     83    -0.39    -0.62    -0.17   20      136       68   -0.68   -0.19
## 84     84    -0.37    -0.55    -0.18   20      137       74   -0.61   -0.19
## 85     85    -0.45    -0.69    -0.21   20      142       62   -0.75   -0.23
## 86     86    -0.44    -0.68    -0.19   20      141       64   -0.75   -0.22
## 87     87    -0.10    -0.24     0.03   20      188      183   -0.28    0.05
## 88     88    -0.10    -0.24     0.04   20      131      228   -0.28    0.06
## 89     89    -0.10    -0.23     0.04   20      149      215   -0.28    0.06
## 90     90    -0.30    -0.38    -0.22   20      172      138   -0.42   -0.21
## 91     91    -0.27    -0.35    -0.19   20      160      143   -0.39   -0.18
## 92     92    -0.09    -0.23     0.04   20      191      177   -0.28    0.06
## 93     93    -0.08    -0.22     0.06   20      200      174   -0.27    0.07
## 94     94    -0.07    -0.21     0.07   20      219      155   -0.25    0.09
## 95     95    -0.09    -0.25     0.06   20      109      249   -0.30    0.07
## 96     96    -0.30    -0.38    -0.22   20      186      128   -0.41   -0.21
## 97     97    -0.31    -0.40    -0.23   20      202      118   -0.44   -0.23
## 98     98    -0.30    -0.38    -0.21   20      199      117   -0.42   -0.21
## 99     99    -0.31    -0.41    -0.22   20      209      114   -0.44   -0.21
## 100   100    -0.07    -0.26     0.11   20      102      252   -0.32    0.12
## 101   101    -0.07    -0.26     0.12   20      100      251   -0.32    0.13
## 102   102    -0.34    -0.51    -0.17   20      143       75   -0.56   -0.17
## 103   103    -0.29    -0.44    -0.14   20      141       77   -0.49   -0.14
## 104   104    -0.57    -0.86    -0.28   20      146       48   -0.93   -0.31
## 105   105    -0.44    -0.64    -0.24   20      143       55   -0.70   -0.26
## 106   106    -0.30    -0.38    -0.22   20      181      134   -0.41   -0.21
```

```
## 107   107    -0.29    -0.36    -0.21   20      193      124   -0.40   -0.20
## 108   108    -0.28    -0.36    -0.21   20      182      132   -0.39   -0.20
## 109   109    -0.25    -0.37    -0.12   20      145       78   -0.41   -0.10
## 110   110    -0.19    -0.30    -0.07   20      122       88   -0.33   -0.04
## 111   111    -0.21    -0.33    -0.09   20      144       78   -0.37   -0.07
##  [ reached 'max' / getOption("max.print") -- omitted 153 rows ]
## ------------------------------------------------------------
```

```
library(xtable)
xtable(finaltab)
```

```
## % latex table generated in R 4.0.3 by xtable 1.8-4 package
## % Fri Jun 16 14:58:00 2023
## \begin{table}[ht]
## \centering
## \begin{tabular}{rrrrrrrrrr}
##   \hline
##  & Point & Estimate & Conv-CIl & Conv-CIu & hfix & Ntr-hfix & Nco-hfix & Rob-CIl & Rob-CIu \\
##   \hline
## 1 &   1 & -0.08 & -0.16 & 0.01 & 20.00 &  44 &  68 & -0.17 & 0.03 \\
##   2 &   2 & -0.13 & -0.22 & -0.03 & 20.00 &  42 &  74 & -0.24 & -0.01 \\
##   3 &   3 & -0.15 & -0.25 & -0.05 & 20.00 &  39 &  80 & -0.27 & -0.03 \\
##   4 &   4 & -0.25 & -0.38 & -0.11 & 20.00 & 133 & 202 & -0.43 & -0.12 \\
##   5 &   5 & -0.21 & -0.34 & -0.08 & 20.00 & 134 & 213 & -0.39 & -0.09 \\
##   6 &   6 & -0.19 & -0.32 & -0.05 & 20.00 & 132 & 207 & -0.36 & -0.05 \\
##   7 &   7 & -0.19 & -0.30 & -0.08 & 20.00 &  42 &  83 & -0.30 & -0.04 \\
##   8 &   8 & -0.20 & -0.31 & -0.09 & 20.00 &  47 &  80 & -0.31 & -0.05 \\
##   9 &   9 & -0.19 & -0.29 & -0.08 & 20.00 &  63 &  64 & -0.31 & -0.05 \\
##   10 &  10 & -0.18 & -0.29 & -0.08 & 20.00 &  66 &  60 & -0.32 & -0.05 \\
##   11 &  11 & -0.20 & -0.31 & -0.09 & 20.00 &  60 &  71 & -0.31 & -0.05 \\
##   12 &  12 & -0.20 & -0.31 & -0.09 & 20.00 &  51 &  74 & -0.32 & -0.06 \\
##   13 &  13 & -0.19 & -0.30 & -0.08 & 20.00 &  79 &  59 & -0.31 & -0.04 \\
##   14 &  14 & -0.25 & -0.40 & -0.10 & 20.00 &  88 &  57 & -0.45 & -0.11 \\
##   15 &  15 & -0.27 & -0.40 & -0.13 & 20.00 & 139 & 202 & -0.45 & -0.14 \\
##   16 &  16 & -0.29 & -0.43 & -0.15 & 20.00 & 139 & 194 & -0.48 & -0.15 \\
##   17 &  17 & -0.33 & -0.46 & -0.20 & 20.00 & 172 & 152 & -0.50 & -0.19 \\
##   18 &  18 & -0.33 & -0.47 & -0.20 & 20.00 & 170 & 157 & -0.51 & -0.19 \\
##   19 &  19 & -0.29 & -0.44 & -0.15 & 20.00 & 142 & 191 & -0.48 & -0.16 \\
##   20 &  20 & -0.32 & -0.45 & -0.19 & 20.00 & 153 & 182 & -0.50 & -0.20 \\
##   21 &  21 & -0.33 & -0.46 & -0.19 & 20.00 & 156 & 170 & -0.51 & -0.19 \\
##   22 &  22 & -0.18 & -0.31 & -0.05 & 20.00 & 140 & 202 & -0.35 & -0.04 \\
##   23 &  23 & -0.18 & -0.31 & -0.06 & 20.00 & 145 & 201 & -0.36 & -0.06 \\
##   24 &  24 & -0.32 & -0.46 & -0.19 & 20.00 & 159 & 165 & -0.50 & -0.19 \\
##   25 &  25 & -0.33 & -0.46 & -0.20 & 20.00 & 172 & 154 & -0.50 & -0.20 \\
##   26 &  26 & -0.36 & -0.50 & -0.21 & 20.00 & 165 & 159 & -0.55 & -0.22 \\
##   27 &  27 & -0.33 & -0.47 & -0.19 & 20.00 & 174 & 161 & -0.52 & -0.20 \\
##   28 &  28 & -0.33 & -0.48 & -0.19 & 20.00 & 169 & 162 & -0.52 & -0.18 \\
##   29 &  29 & -0.33 & -0.46 & -0.20 & 20.00 & 175 & 158 & -0.50 & -0.19 \\
##   30 &  30 & -0.35 & -0.51 & -0.20 & 20.00 & 164 & 165 & -0.56 & -0.21 \\
##   31 &  31 & -0.18 & -0.31 & -0.05 & 20.00 & 145 & 199 & -0.36 & -0.05 \\
##   32 &  32 & -0.16 & -0.29 & -0.03 & 20.00 & 148 & 198 & -0.34 & -0.03 \\
##   33 &  33 & -0.17 & -0.30 & -0.04 & 20.00 & 153 & 196 & -0.34 & -0.04 \\
##   34 &  34 & -0.25 & -0.41 & -0.09 & 20.00 &  96 &  57 & -0.46 & -0.10 \\
##   35 &  35 & -0.28 & -0.45 & -0.11 & 20.00 & 104 &  55 & -0.50 & -0.12 \\
##   36 &  36 & -0.36 & -0.54 & -0.17 & 20.00 & 113 &  53 & -0.59 & -0.18 \\
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##   37 &  37 & -0.41 & -0.62 & -0.20 & 20.00 & 116 &  46 & -0.68 & -0.21 \\
##   38 &  38 & -0.17 & -0.29 & -0.04 & 20.00 & 153 & 197 & -0.34 & -0.04 \\
##   39 &  39 & -0.15 & -0.28 & -0.03 & 20.00 & 166 & 190 & -0.33 & -0.02 \\
##   40 &  40 & -0.15 & -0.28 & -0.02 & 20.00 & 179 & 180 & -0.33 & -0.02 \\
##   41 &  41 & -0.15 & -0.27 & -0.02 & 20.00 & 189 & 171 & -0.32 & -0.01 \\
##   42 &  42 & -0.36 & -0.49 & -0.22 & 20.00 & 184 & 142 & -0.54 & -0.24 \\
##   43 &  43 & -0.14 & -0.27 & -0.02 & 20.00 & 195 & 168 & -0.31 & -0.01 \\
##   44 &  44 & -0.37 & -0.49 & -0.25 & 20.00 & 199 & 131 & -0.53 & -0.26 \\
##   45 &  45 & -0.33 & -0.42 & -0.25 & 20.00 & 191 & 137 & -0.46 & -0.25 \\
##   46 &  46 & -0.33 & -0.42 & -0.25 & 20.00 & 193 & 135 & -0.46 & -0.25 \\
##   47 &  47 & -0.32 & -0.47 & -0.18 & 20.00 & 193 & 137 & -0.52 & -0.19 \\
##   48 &  48 & -0.32 & -0.46 & -0.17 & 20.00 & 205 & 135 & -0.51 & -0.19 \\
##   49 &  49 & -0.32 & -0.47 & -0.18 & 20.00 & 209 & 132 & -0.51 & -0.19 \\
##   50 &  50 & -0.36 & -0.49 & -0.24 & 20.00 & 205 & 122 & -0.53 & -0.26 \\
##   51 &  51 & -0.35 & -0.49 & -0.21 & 20.00 & 195 & 137 & -0.53 & -0.23 \\
##   52 &  52 & -0.34 & -0.47 & -0.20 & 20.00 & 213 & 124 & -0.51 & -0.21 \\
##   53 &  53 & -0.35 & -0.49 & -0.20 & 20.00 & 216 & 118 & -0.54 & -0.22 \\
##   54 &  54 & -0.35 & -0.48 & -0.22 & 20.00 & 221 & 117 & -0.52 & -0.23 \\
##   55 &  55 & -0.33 & -0.42 & -0.25 & 20.00 & 176 & 147 & -0.45 & -0.25 \\
##   56 &  56 & -0.36 & -0.48 & -0.25 & 20.00 & 161 & 152 & -0.52 & -0.26 \\
##   57 &  57 & -0.13 & -0.26 & -0.01 & 20.00 & 202 & 162 & -0.30 & -0.01 \\
##   58 &  58 & -0.13 & -0.26 & -0.00 & 20.00 & 205 & 158 & -0.30 & -0.01 \\
##   59 &  59 & -0.13 & -0.26 & 0.01 & 20.00 & 211 & 153 & -0.31 & 0.00 \\
##   60 &  60 & -0.47 & -0.70 & -0.23 & 20.00 & 124 &  45 & -0.76 & -0.25 \\
##   61 &  61 & -0.53 & -0.79 & -0.27 & 20.00 & 123 &  45 & -0.85 & -0.29 \\
##   62 &  62 & -0.59 & -0.89 & -0.29 & 20.00 & 124 &  47 & -0.96 & -0.32 \\
##   63 &  63 & -0.35 & -0.46 & -0.24 & 20.00 & 160 & 151 & -0.51 & -0.24 \\
##   64 &  64 & -0.35 & -0.46 & -0.24 & 20.00 & 157 & 150 & -0.50 & -0.24 \\
##   65 &  65 & -0.11 & -0.25 & 0.03 & 20.00 & 173 & 200 & -0.30 & 0.04 \\
##   66 &  66 & -0.11 & -0.25 & 0.03 & 20.00 & 166 & 209 & -0.30 & 0.05 \\
##   67 &  67 & -0.74 & -1.02 & -0.46 & 20.00 & 132 &  49 & -1.10 & -0.50 \\
##   68 &  68 & -0.37 & -0.48 & -0.26 & 20.00 & 212 & 123 & -0.52 & -0.27 \\
##   69 &  69 & -0.35 & -0.45 & -0.25 & 20.00 & 203 & 126 & -0.49 & -0.25 \\
##   70 &  70 & -0.37 & -0.48 & -0.25 & 20.00 & 215 & 123 & -0.52 & -0.26 \\
##   71 &  71 & -0.13 & -0.25 & -0.01 & 20.00 & 213 & 147 & -0.30 & -0.00 \\
##   72 &  72 & -0.13 & -0.25 & -0.01 & 20.00 & 216 & 144 & -0.30 & -0.00 \\
##   73 &  73 & -0.13 & -0.26 & -0.00 & 20.00 & 218 & 140 & -0.31 & 0.00 \\
##   74 &  74 & -0.14 & -0.26 & -0.01 & 20.00 & 226 & 136 & -0.30 & -0.01 \\
##   75 &  75 & -0.13 & -0.26 & -0.00 & 20.00 & 234 & 121 & -0.31 & 0.00 \\
##   76 &  76 & -0.14 & -0.28 & -0.01 & 20.00 & 249 & 113 & -0.33 & -0.01 \\
##   77 &  77 & -0.11 & -0.25 & 0.03 & 20.00 & 254 & 106 & -0.30 & 0.04 \\
##   78 &  78 & -0.32 & -0.43 & -0.22 & 20.00 & 157 & 151 & -0.47 & -0.21 \\
##   79 &  79 & -0.31 & -0.41 & -0.21 & 20.00 & 157 & 143 & -0.45 & -0.20 \\
##   80 &  80 & -0.11 & -0.24 & 0.03 & 20.00 & 184 & 186 & -0.29 & 0.04 \\
##   81 &  81 & -0.10 & -0.24 & 0.04 & 20.00 & 155 & 206 & -0.28 & 0.06 \\
##   82 &  82 & -0.10 & -0.24 & 0.03 & 20.00 & 167 & 207 & -0.28 & 0.05 \\
##   83 &  83 & -0.39 & -0.62 & -0.17 & 20.00 & 136 &  68 & -0.68 & -0.19 \\
##   84 &  84 & -0.37 & -0.55 & -0.18 & 20.00 & 137 &  74 & -0.61 & -0.19 \\
##   85 &  85 & -0.45 & -0.69 & -0.21 & 20.00 & 142 &  62 & -0.75 & -0.23 \\
##   86 &  86 & -0.44 & -0.68 & -0.19 & 20.00 & 141 &  64 & -0.75 & -0.22 \\
##   87 &  87 & -0.10 & -0.24 & 0.03 & 20.00 & 188 & 183 & -0.28 & 0.05 \\
##   88 &  88 & -0.10 & -0.24 & 0.04 & 20.00 & 131 & 228 & -0.28 & 0.06 \\
##   89 &  89 & -0.10 & -0.23 & 0.04 & 20.00 & 149 & 215 & -0.28 & 0.06 \\
##   90 &  90 & -0.30 & -0.38 & -0.22 & 20.00 & 172 & 138 & -0.42 & -0.21 \\
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##   91 &  91 & -0.27 & -0.35 & -0.19 & 20.00 & 160 & 143 & -0.39 & -0.18 \\
##   92 &  92 & -0.09 & -0.23 & 0.04 & 20.00 & 191 & 177 & -0.28 & 0.06 \\
##   93 &  93 & -0.08 & -0.22 & 0.06 & 20.00 & 200 & 174 & -0.27 & 0.07 \\
##   94 &  94 & -0.07 & -0.21 & 0.07 & 20.00 & 219 & 155 & -0.25 & 0.09 \\
##   95 &  95 & -0.09 & -0.25 & 0.06 & 20.00 & 109 & 249 & -0.30 & 0.07 \\
##   96 &  96 & -0.30 & -0.38 & -0.22 & 20.00 & 186 & 128 & -0.41 & -0.21 \\
##   97 &  97 & -0.31 & -0.40 & -0.23 & 20.00 & 202 & 118 & -0.44 & -0.23 \\
##   98 &  98 & -0.30 & -0.38 & -0.21 & 20.00 & 199 & 117 & -0.42 & -0.21 \\
##   99 &  99 & -0.31 & -0.41 & -0.22 & 20.00 & 209 & 114 & -0.44 & -0.21 \\
##   100 & 100 & -0.07 & -0.26 & 0.11 & 20.00 & 102 & 252 & -0.32 & 0.12 \\
##   101 & 101 & -0.07 & -0.26 & 0.12 & 20.00 & 100 & 251 & -0.32 & 0.13 \\
##   102 & 102 & -0.34 & -0.51 & -0.17 & 20.00 & 143 &  75 & -0.56 & -0.17 \\
##   103 & 103 & -0.29 & -0.44 & -0.14 & 20.00 & 141 &  77 & -0.49 & -0.14 \\
##   104 & 104 & -0.57 & -0.86 & -0.28 & 20.00 & 146 &  48 & -0.93 & -0.31 \\
##   105 & 105 & -0.44 & -0.64 & -0.24 & 20.00 & 143 &  55 & -0.70 & -0.26 \\
##   106 & 106 & -0.30 & -0.38 & -0.22 & 20.00 & 181 & 134 & -0.41 & -0.21 \\
##   107 & 107 & -0.29 & -0.36 & -0.21 & 20.00 & 193 & 124 & -0.40 & -0.20 \\
##   108 & 108 & -0.28 & -0.36 & -0.21 & 20.00 & 182 & 132 & -0.39 & -0.20 \\
##   109 & 109 & -0.25 & -0.37 & -0.12 & 20.00 & 145 &  78 & -0.41 & -0.10 \\
##   110 & 110 & -0.19 & -0.30 & -0.07 & 20.00 & 122 &  88 & -0.33 & -0.04 \\
##   111 & 111 & -0.21 & -0.33 & -0.09 & 20.00 & 144 &  78 & -0.37 & -0.07 \\
##   112 & 112 & -0.19 & -0.30 & -0.08 & 20.00 & 140 &  81 & -0.34 & -0.06 \\
##   113 & 113 & -0.18 & -0.29 & -0.08 & 20.00 & 130 &  87 & -0.32 & -0.05 \\
##   114 & 114 & -0.09 & -0.24 & 0.07 & 20.00 & 260 &  97 & -0.29 & 0.09 \\
##   115 & 115 & -0.08 & -0.24 & 0.08 & 20.00 & 267 &  94 & -0.29 & 0.10 \\
##   116 & 116 & -0.07 & -0.23 & 0.09 & 20.00 & 266 &  97 & -0.28 & 0.11 \\
##   117 & 117 & -0.07 & -0.22 & 0.08 & 20.00 & 253 & 111 & -0.27 & 0.11 \\
##   118 & 118 & -0.07 & -0.21 & 0.07 & 20.00 & 247 & 121 & -0.25 & 0.10 \\
##   119 & 119 & -0.19 & -0.31 & -0.07 & 20.00 & 113 &  96 & -0.35 & -0.03 \\
##   120 & 120 & -0.26 & -0.34 & -0.18 & 20.00 & 148 & 146 & -0.37 & -0.16 \\
##   121 & 121 & -0.25 & -0.33 & -0.17 & 20.00 & 148 & 146 & -0.36 & -0.14 \\
##   122 & 122 & -0.08 & -0.27 & 0.11 & 20.00 &  94 & 254 & -0.33 & 0.12 \\
##   123 & 123 & -0.24 & -0.32 & -0.15 & 20.00 & 148 & 147 & -0.34 & -0.12 \\
##   124 & 124 & -0.10 & -0.28 & 0.09 & 20.00 &  88 & 250 & -0.34 & 0.11 \\
##   125 & 125 & -0.13 & -0.25 & -0.01 & 20.00 &  80 & 134 & -0.25 & 0.04 \\
##   126 & 126 & -0.07 & -0.21 & 0.08 & 20.00 & 247 & 127 & -0.25 & 0.11 \\
##   127 & 127 & -0.17 & -0.28 & -0.06 & 20.00 & 107 & 102 & -0.31 & -0.02 \\
##   128 & 128 & -0.16 & -0.26 & -0.05 & 20.00 & 107 & 107 & -0.28 & -0.01 \\
##   129 & 129 & -0.15 & -0.26 & -0.04 & 20.00 & 107 & 110 & -0.27 & 0.01 \\
##   130 & 130 & -0.06 & -0.20 & 0.08 & 20.00 & 223 & 153 & -0.24 & 0.11 \\
##   131 & 131 & -0.06 & -0.20 & 0.08 & 20.00 & 237 & 132 & -0.23 & 0.12 \\
##   132 & 132 & -0.06 & -0.20 & 0.08 & 20.00 & 225 & 144 & -0.24 & 0.11 \\
##   133 & 133 & -0.11 & -0.29 & 0.08 & 20.00 &  73 & 250 & -0.35 & 0.11 \\
##   134 & 134 & -0.21 & -0.32 & -0.11 & 20.00 & 160 & 138 & -0.32 & -0.07 \\
##   135 & 135 & -0.22 & -0.32 & -0.11 & 20.00 & 162 & 130 & -0.33 & -0.07 \\
##   136 & 136 & -0.21 & -0.32 & -0.10 & 20.00 & 164 & 132 & -0.33 & -0.07 \\
##   137 & 137 & -0.10 & -0.27 & 0.07 & 20.00 &  97 & 243 & -0.33 & 0.09 \\
##   138 & 138 & -0.10 & -0.26 & 0.06 & 20.00 & 105 & 237 & -0.31 & 0.09 \\
##   139 & 139 & -0.10 & -0.27 & 0.06 & 20.00 &  95 & 240 & -0.32 & 0.09 \\
##   140 & 140 & -0.15 & -0.26 & -0.04 & 20.00 & 108 & 114 & -0.26 & 0.01 \\
##   141 & 141 & -0.14 & -0.25 & -0.03 & 20.00 &  96 & 117 & -0.25 & 0.02 \\
##   142 & 142 & -0.14 & -0.25 & -0.04 & 20.00 & 107 & 115 & -0.26 & 0.01 \\
##   143 & 143 & -0.10 & -0.23 & 0.04 & 20.00 & 119 & 223 & -0.27 & 0.06 \\
##   144 & 144 & -0.10 & -0.25 & 0.05 & 20.00 & 101 & 232 & -0.30 & 0.07 \\
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##   145 & 145 & -0.10 & -0.24 & 0.04 & 20.00 & 108 & 228 & -0.29 & 0.07 \\
##   146 & 146 & -0.09 & -0.22 & 0.04 & 20.00 & 125 & 216 & -0.27 & 0.07 \\
##   147 & 147 & -0.11 & -0.28 & 0.07 & 20.00 &  81 & 249 & -0.34 & 0.10 \\
##   148 & 148 & -0.11 & -0.29 & 0.08 & 20.00 &  77 & 252 & -0.35 & 0.11 \\
##   149 & 149 & -0.12 & -0.24 & 0.00 & 20.00 &  83 & 135 & -0.24 & 0.05 \\
##   150 & 150 & -0.10 & -0.23 & 0.03 & 20.00 &  97 & 125 & -0.23 & 0.08 \\
##   151 & 151 & -0.21 & -0.33 & -0.10 & 20.00 & 172 & 126 & -0.33 & -0.06 \\
##   152 & 152 & -0.21 & -0.32 & -0.10 & 20.00 & 183 & 120 & -0.32 & -0.06 \\
##   153 & 153 & -0.20 & -0.31 & -0.09 & 20.00 & 163 & 130 & -0.30 & -0.05 \\
##   154 & 154 & -0.20 & -0.31 & -0.09 & 20.00 & 178 & 124 & -0.32 & -0.05 \\
##   155 & 155 & -0.11 & -0.29 & 0.07 & 20.00 &  77 & 251 & -0.34 & 0.11 \\
##   156 & 156 & -0.10 & -0.23 & 0.03 & 20.00 &  91 & 129 & -0.23 & 0.08 \\
##   157 & 157 & -0.18 & -0.29 & -0.07 & 20.00 & 150 & 134 & -0.29 & -0.03 \\
##   158 & 158 & -0.18 & -0.29 & -0.06 & 20.00 & 162 & 123 & -0.29 & -0.02 \\
##   159 & 159 & -0.10 & -0.28 & 0.07 & 20.00 &  80 & 243 & -0.33 & 0.10 \\
##   160 & 160 & -0.10 & -0.23 & 0.04 & 20.00 & 101 & 124 & -0.24 & 0.09 \\
##   161 & 161 & -0.10 & -0.25 & 0.06 & 20.00 & 107 & 222 & -0.30 & 0.09 \\
##   162 & 162 & -0.10 & -0.24 & 0.04 & 20.00 & 105 & 120 & -0.24 & 0.09 \\
##   163 & 163 & -0.09 & -0.23 & 0.05 & 20.00 & 109 & 116 & -0.23 & 0.10 \\
##   164 & 164 & -0.08 & -0.23 & 0.07 & 20.00 & 132 & 195 & -0.27 & 0.10 \\
##   165 & 165 & -0.06 & -0.22 & 0.09 & 20.00 & 160 & 156 & -0.26 & 0.13 \\
##   166 & 166 & -0.07 & -0.22 & 0.08 & 20.00 & 145 & 169 & -0.26 & 0.11 \\
##   167 & 167 & -0.06 & -0.22 & 0.10 & 20.00 & 162 & 151 & -0.25 & 0.14 \\
##   168 & 168 & -0.08 & -0.22 & 0.06 & 20.00 & 114 & 112 & -0.22 & 0.11 \\
##   169 & 169 & -0.06 & -0.21 & 0.08 & 20.00 & 125 & 110 & -0.21 & 0.12 \\
##   170 & 170 & -0.18 & -0.31 & -0.06 & 20.00 & 181 & 115 & -0.31 & -0.02 \\
##   171 & 171 & -0.18 & -0.31 & -0.05 & 20.00 & 185 & 112 & -0.31 & -0.01 \\
##   172 & 172 & -0.17 & -0.29 & -0.04 & 20.00 & 196 & 102 & -0.30 & -0.00 \\
##   173 & 173 & -0.17 & -0.30 & -0.03 & 20.00 & 212 &  95 & -0.31 & 0.01 \\
##   174 & 174 & -0.16 & -0.30 & -0.02 & 20.00 & 213 &  97 & -0.30 & 0.02 \\
##   175 & 175 & -0.15 & -0.28 & -0.01 & 20.00 & 202 &  97 & -0.29 & 0.03 \\
##   176 & 176 & -0.14 & -0.28 & -0.01 & 20.00 & 194 &  97 & -0.28 & 0.03 \\
##   177 & 177 & -0.06 & -0.21 & 0.09 & 20.00 & 126 & 111 & -0.21 & 0.14 \\
##   178 & 178 & -0.03 & -0.18 & 0.12 & 20.00 & 132 & 110 & -0.18 & 0.17 \\
##   179 & 179 & -0.14 & -0.28 & -0.01 & 20.00 & 187 & 101 & -0.28 & 0.03 \\
##   180 & 180 & -0.14 & -0.28 & 0.00 & 20.00 & 175 & 100 & -0.29 & 0.04 \\
##   181 & 181 & -0.05 & -0.21 & 0.10 & 20.00 & 172 & 142 & -0.23 & 0.14 \\
##   182 & 182 & -0.06 & -0.21 & 0.10 & 20.00 & 166 & 148 & -0.24 & 0.14 \\
##   183 & 183 & -0.05 & -0.21 & 0.11 & 20.00 & 166 & 139 & -0.23 & 0.16 \\
##   184 & 184 & -0.01 & -0.16 & 0.15 & 20.00 & 136 & 105 & -0.16 & 0.19 \\
##   185 & 185 & 0.01 & -0.15 & 0.16 & 20.00 & 140 & 101 & -0.14 & 0.21 \\
##   186 & 186 & 0.02 & -0.14 & 0.19 & 20.00 & 139 &  96 & -0.14 & 0.24 \\
##   187 & 187 & 0.03 & -0.13 & 0.20 & 20.00 & 146 &  92 & -0.12 & 0.24 \\
##   188 & 188 & -0.15 & -0.25 & -0.05 & 20.00 & 132 & 114 & -0.25 & -0.00 \\
##   189 & 189 & -0.16 & -0.27 & -0.06 & 20.00 & 151 &  97 & -0.26 & -0.02 \\
##   190 & 190 & -0.16 & -0.27 & -0.06 & 20.00 & 149 &  98 & -0.26 & -0.02 \\
##   191 & 191 & -0.16 & -0.28 & -0.04 & 20.00 & 152 &  99 & -0.27 & 0.00 \\
##   192 & 192 & -0.16 & -0.27 & -0.06 & 20.00 & 156 &  98 & -0.26 & -0.01 \\
##   193 & 193 & -0.14 & -0.28 & 0.01 & 20.00 & 166 &  98 & -0.30 & 0.05 \\
##   194 & 194 & -0.13 & -0.29 & 0.02 & 20.00 & 164 & 100 & -0.30 & 0.06 \\
##   195 & 195 & -0.15 & -0.28 & -0.01 & 20.00 & 150 & 101 & -0.29 & 0.03 \\
##   196 & 196 & 0.04 & -0.13 & 0.21 & 20.00 & 155 &  85 & -0.12 & 0.26 \\
##   197 & 197 & -0.04 & -0.19 & 0.12 & 20.00 & 192 & 114 & -0.21 & 0.17 \\
##   198 & 198 & -0.02 & -0.18 & 0.15 & 20.00 & 209 & 102 & -0.20 & 0.20 \\
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##   199 & 199 & -0.02 & -0.18 & 0.15 & 20.00 & 198 & 107 & -0.20 & 0.21 \\
##   200 & 200 & -0.15 & -0.25 & -0.05 & 20.00 & 137 & 112 & -0.25 & -0.00 \\
##   201 & 201 & -0.16 & -0.26 & -0.06 & 20.00 & 142 &  98 & -0.26 & -0.02 \\
##   202 & 202 & -0.16 & -0.26 & -0.06 & 20.00 & 145 & 104 & -0.26 & -0.02 \\
##   203 & 203 & -0.17 & -0.26 & -0.07 & 20.00 & 160 &  94 & -0.26 & -0.03 \\
##   204 & 204 & 0.03 & -0.13 & 0.19 & 20.00 & 166 &  79 & -0.13 & 0.25 \\
##   205 & 205 & 0.01 & -0.15 & 0.16 & 20.00 & 181 &  73 & -0.15 & 0.22 \\
##   206 & 206 & -0.03 & -0.19 & 0.14 & 20.00 & 231 &  93 & -0.20 & 0.19 \\
##   207 & 207 & -0.02 & -0.19 & 0.14 & 20.00 & 242 &  82 & -0.20 & 0.20 \\
##   208 & 208 & -0.02 & -0.19 & 0.14 & 20.00 & 224 &  93 & -0.20 & 0.20 \\
##   209 & 209 & -0.17 & -0.28 & -0.06 & 20.00 & 159 &  81 & -0.28 & -0.02 \\
##   210 & 210 & -0.17 & -0.29 & -0.05 & 20.00 & 168 &  78 & -0.30 & -0.01 \\
##   211 & 211 & -0.17 & -0.29 & -0.05 & 20.00 & 176 &  70 & -0.31 & -0.01 \\
##   212 & 212 & -0.01 & -0.19 & 0.17 & 20.00 & 183 & 115 & -0.21 & 0.23 \\
##   213 & 213 & -0.04 & -0.21 & 0.14 & 20.00 & 170 & 115 & -0.22 & 0.20 \\
##   214 & 214 & 0.00 & -0.15 & 0.15 & 20.00 & 191 &  67 & -0.15 & 0.21 \\
##   215 & 215 & -0.02 & -0.17 & 0.13 & 20.00 & 188 &  62 & -0.17 & 0.19 \\
##   216 & 216 & -0.02 & -0.18 & 0.13 & 20.00 & 180 &  63 & -0.18 & 0.18 \\
##   217 & 217 & -0.05 & -0.20 & 0.11 & 20.00 & 189 &  63 & -0.21 & 0.17 \\
##   218 & 218 & -0.08 & -0.23 & 0.07 & 20.00 & 203 &  59 & -0.24 & 0.13 \\
##   219 & 219 & -0.08 & -0.23 & 0.07 & 20.00 & 203 &  59 & -0.24 & 0.12 \\
##   220 & 220 & -0.08 & -0.22 & 0.07 & 20.00 & 200 &  62 & -0.23 & 0.12 \\
##   221 & 221 & -0.17 & -0.30 & -0.03 & 20.00 & 185 &  68 & -0.34 & -0.00 \\
##   222 & 222 & -0.09 & -0.24 & 0.05 & 20.00 & 202 &  62 & -0.25 & 0.10 \\
##   223 & 223 & -0.14 & -0.27 & -0.01 & 20.00 & 213 &  59 & -0.26 & 0.04 \\
##   224 & 224 & -0.16 & -0.28 & -0.04 & 20.00 & 190 &  63 & -0.28 & 0.01 \\
##   225 & 225 & -0.16 & -0.28 & -0.03 & 20.00 & 180 &  63 & -0.31 & 0.01 \\
##   226 & 226 & -0.03 & -0.20 & 0.15 & 20.00 & 163 & 105 & -0.20 & 0.21 \\
##   227 & 227 & -0.01 & -0.18 & 0.16 & 20.00 &  24 & 144 & -0.21 & 0.21 \\
##   228 & 228 & -0.01 & -0.18 & 0.15 & 20.00 &  28 & 130 & -0.21 & 0.20 \\
##   229 & 229 & -0.03 & -0.21 & 0.14 & 20.00 & 188 &  91 & -0.21 & 0.20 \\
##   230 & 230 & -0.05 & -0.22 & 0.11 & 20.00 &  24 & 129 & -0.25 & 0.16 \\
##   231 & 231 & -0.05 & -0.21 & 0.12 & 20.00 & 201 &  79 & -0.23 & 0.17 \\
##   232 & 232 & -0.06 & -0.21 & 0.10 & 20.00 & 192 &  75 & -0.24 & 0.15 \\
##   233 & 233 & -0.04 & -0.21 & 0.13 & 20.00 &  52 & 119 & -0.25 & 0.18 \\
##   234 & 234 & -0.04 & -0.20 & 0.12 & 20.00 &  74 & 109 & -0.23 & 0.17 \\
##   235 & 235 & -0.03 & -0.19 & 0.14 & 20.00 & 114 &  98 & -0.21 & 0.18 \\
##   236 & 236 & -0.06 & -0.22 & 0.10 & 20.00 & 194 &  73 & -0.25 & 0.14 \\
##   237 & 237 & -0.05 & -0.22 & 0.11 & 20.00 & 162 &  79 & -0.25 & 0.15 \\
##   238 & 238 & -0.06 & -0.21 & 0.10 & 20.00 &  85 &  98 & -0.24 & 0.14 \\
##   239 & 239 & -0.09 & -0.24 & 0.05 & 20.00 & 107 &  83 & -0.27 & 0.10 \\
##   240 & 240 & -0.07 & -0.22 & 0.08 & 20.00 &  92 &  95 & -0.25 & 0.12 \\
##   241 & 241 & -0.09 & -0.24 & 0.06 & 20.00 & 102 &  87 & -0.27 & 0.10 \\
##   242 & 242 & -0.07 & -0.22 & 0.09 & 20.00 & 112 &  91 & -0.25 & 0.13 \\
##   243 & 243 & -0.10 & -0.26 & 0.05 & 20.00 &  26 & 119 & -0.31 & 0.10 \\
##   244 & 244 & -0.12 & -0.27 & 0.04 & 20.00 &  29 & 109 & -0.32 & 0.08 \\
##   245 & 245 & -0.07 & -0.22 & 0.08 & 20.00 & 125 &  87 & -0.25 & 0.12 \\
##   246 & 246 & -0.07 & -0.23 & 0.08 & 20.00 & 151 &  80 & -0.26 & 0.12 \\
##   247 & 247 & -0.09 & -0.24 & 0.06 & 20.00 & 143 &  79 & -0.27 & 0.10 \\
##   248 & 248 & -0.14 & -0.31 & 0.02 & 20.00 &  36 &  81 & -0.36 & 0.05 \\
##   249 & 249 & -0.10 & -0.30 & 0.11 & 20.00 &  24 & 108 & -0.35 & 0.17 \\
##   250 & 250 & -0.15 & -0.33 & 0.03 & 20.00 &  34 &  85 & -0.39 & 0.07 \\
##   251 & 251 & -0.17 & -0.35 & 0.02 & 20.00 &  57 &  68 & -0.41 & 0.04 \\
##   252 & 252 & 0.12 & -0.15 & 0.39 & 20.00 &  16 & 113 & -0.16 & 0.46 \\
```

```
##   253 & 253 & -0.04 & -0.24 & 0.16 & 20.00 &  19 & 102 & -0.27 & 0.22 \\
##   254 & 254 & -0.14 & -0.32 & 0.04 & 20.00 &  20 & 105 & -0.37 & 0.09 \\
##   255 & 255 & -0.16 & -0.34 & 0.02 & 20.00 &  21 &  98 & -0.38 & 0.06 \\
##   256 & 256 & -0.18 & -0.35 & -0.01 & 20.00 &  23 &  88 & -0.39 & 0.03 \\
##   257 & 257 & -0.21 & -0.39 & -0.03 & 20.00 &  24 &  82 & -0.44 & 0.00 \\
##   258 & 258 & -0.21 & -0.38 & -0.04 & 20.00 &  22 &  77 & -0.43 & -0.02 \\
##   259 & 259 & -0.23 & -0.41 & -0.04 & 20.00 &  26 &  73 & -0.48 & -0.03 \\
##   260 & 260 & -0.24 & -0.43 & -0.04 & 20.00 &  28 &  71 & -0.50 & -0.04 \\
##   261 & 261 & -0.22 & -0.42 & -0.03 & 20.00 &  26 &  67 & -0.48 & -0.03 \\
##   262 & 262 & -0.23 & -0.44 & -0.02 & 20.00 &  22 &  64 & -0.51 & -0.01 \\
##   263 & 263 & -0.23 & -0.44 & -0.02 & 20.00 &  20 &  63 & -0.52 & -0.01 \\
##   264 & 264 & -0.23 & -0.44 & -0.02 & 20.00 &  20 &  63 & -0.51 & -0.01 \\
##    \hline
## \end{tabular}
## \end{table}
```

```
finaltab[2]
```

```
##     Estimate
## 1      -0.08
## 2      -0.13
## 3      -0.15
## 4      -0.25
## 5      -0.21
## 6      -0.19
## 7      -0.19
## 8      -0.20
## 9      -0.19
## 10     -0.18
## 11     -0.20
## 12     -0.20
## 13     -0.19
## 14     -0.25
## 15     -0.27
## 16     -0.29
## 17     -0.33
## 18     -0.33
## 19     -0.29
## 20     -0.32
## 21     -0.33
## 22     -0.18
## 23     -0.18
## 24     -0.32
## 25     -0.33
## 26     -0.36
## 27     -0.33
## 28     -0.33
## 29     -0.33
## 30     -0.35
## 31     -0.18
## 32     -0.16
## 33     -0.17
## 34     -0.25
## 35     -0.28
## 36     -0.36
```

```
## 37     -0.41
## 38     -0.17
## 39     -0.15
## 40     -0.15
## 41     -0.15
## 42     -0.36
## 43     -0.14
## 44     -0.37
## 45     -0.33
## 46     -0.33
## 47     -0.32
## 48     -0.32
## 49     -0.32
## 50     -0.36
## 51     -0.35
## 52     -0.34
## 53     -0.35
## 54     -0.35
## 55     -0.33
## 56     -0.36
## 57     -0.13
## 58     -0.13
## 59     -0.13
## 60     -0.47
## 61     -0.53
## 62     -0.59
## 63     -0.35
## 64     -0.35
## 65     -0.11
## 66     -0.11
## 67     -0.74
## 68     -0.37
## 69     -0.35
## 70     -0.37
## 71     -0.13
## 72     -0.13
## 73     -0.13
## 74     -0.14
## 75     -0.13
## 76     -0.14
## 77     -0.11
## 78     -0.32
## 79     -0.31
## 80     -0.11
## 81     -0.10
## 82     -0.10
## 83     -0.39
## 84     -0.37
## 85     -0.45
## 86     -0.44
## 87     -0.10
## 88     -0.10
## 89     -0.10
## 90     -0.30
```

```
## 91     -0.27
## 92     -0.09
## 93     -0.08
## 94     -0.07
## 95     -0.09
## 96     -0.30
## 97     -0.31
## 98     -0.30
## 99     -0.31
## 100    -0.07
## 101    -0.07
## 102    -0.34
## 103    -0.29
## 104    -0.57
## 105    -0.44
## 106    -0.30
## 107    -0.29
## 108    -0.28
## 109    -0.25
## 110    -0.19
## 111    -0.21
## 112    -0.19
## 113    -0.18
## 114    -0.09
## 115    -0.08
## 116    -0.07
## 117    -0.07
## 118    -0.07
## 119    -0.19
## 120    -0.26
## 121    -0.25
## 122    -0.08
## 123    -0.24
## 124    -0.10
## 125    -0.13
## 126    -0.07
## 127    -0.17
## 128    -0.16
## 129    -0.15
## 130    -0.06
## 131    -0.06
## 132    -0.06
## 133    -0.11
## 134    -0.21
## 135    -0.22
## 136    -0.21
## 137    -0.10
## 138    -0.10
## 139    -0.10
## 140    -0.15
## 141    -0.14
## 142    -0.14
## 143    -0.10
## 144    -0.10
```

```
## 145    -0.10
## 146    -0.09
## 147    -0.11
## 148    -0.11
## 149    -0.12
## 150    -0.10
## 151    -0.21
## 152    -0.21
## 153    -0.20
## 154    -0.20
## 155    -0.11
## 156    -0.10
## 157    -0.18
## 158    -0.18
## 159    -0.10
## 160    -0.10
## 161    -0.10
## 162    -0.10
## 163    -0.09
## 164    -0.08
## 165    -0.06
## 166    -0.07
## 167    -0.06
## 168    -0.08
## 169    -0.06
## 170    -0.18
## 171    -0.18
## 172    -0.17
## 173    -0.17
## 174    -0.16
## 175    -0.15
## 176    -0.14
## 177    -0.06
## 178    -0.03
## 179    -0.14
## 180    -0.14
## 181    -0.05
## 182    -0.06
## 183    -0.05
## 184    -0.01
## 185     0.01
## 186     0.02
## 187     0.03
## 188    -0.15
## 189    -0.16
## 190    -0.16
## 191    -0.16
## 192    -0.16
## 193    -0.14
## 194    -0.13
## 195    -0.15
## 196     0.04
## 197    -0.04
## 198    -0.02
```

```
## 199    -0.02
## 200    -0.15
## 201    -0.16
## 202    -0.16
## 203    -0.17
## 204     0.03
## 205     0.01
## 206    -0.03
## 207    -0.02
## 208    -0.02
## 209    -0.17
## 210    -0.17
## 211    -0.17
## 212    -0.01
## 213    -0.04
## 214     0.00
## 215    -0.02
## 216    -0.02
## 217    -0.05
## 218    -0.08
## 219    -0.08
## 220    -0.08
## 221    -0.17
## 222    -0.09
## 223    -0.14
## 224    -0.16
## 225    -0.16
## 226    -0.03
## 227    -0.01
## 228    -0.01
## 229    -0.03
## 230    -0.05
## 231    -0.05
## 232    -0.06
## 233    -0.04
## 234    -0.04
## 235    -0.03
## 236    -0.06
## 237    -0.05
## 238    -0.06
## 239    -0.09
## 240    -0.07
## 241    -0.09
## 242    -0.07
## 243    -0.10
## 244    -0.12
## 245    -0.07
## 246    -0.07
## 247    -0.09
## 248    -0.14
## 249    -0.10
## 250    -0.15
## 251    -0.17
## 252     0.12
```

```
## 253    -0.04
## 254    -0.14
## 255    -0.16
## 256    -0.18
## 257    -0.21
## 258    -0.21
## 259    -0.23
## 260    -0.24
## 261    -0.22
## 262    -0.23
## 263    -0.23
## 264    -0.23
```

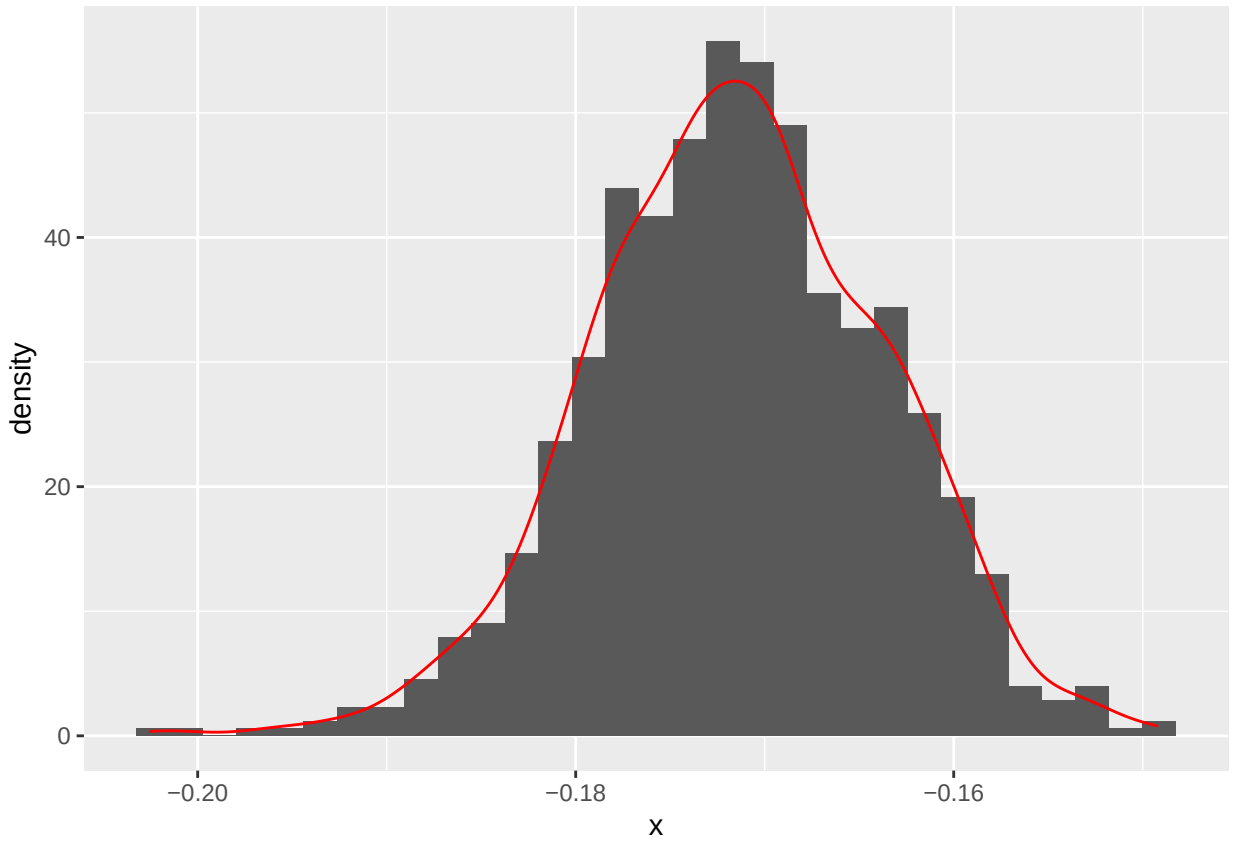
```
apply(finaltab[2], 2, mean)
```

```
##   Estimate
## -0.1717045
```

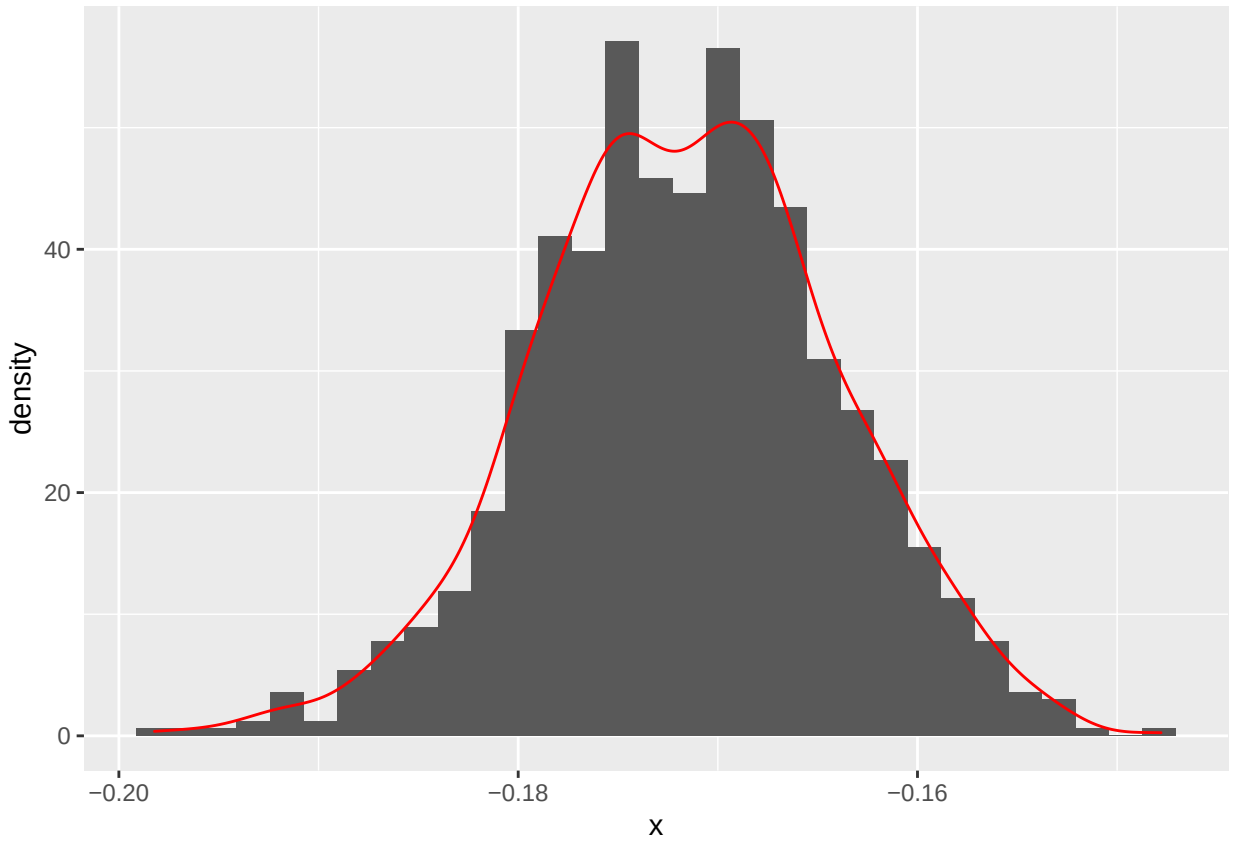
```
n=nrow(pointsALL)
B=1000
x=as.matrix(finaltab[2])

boot.mean = function(x,B,binwidth=NULL) {
  n = length(x)
  boot.samples = matrix( sample(x,size=n*B,replace=TRUE), B, n)
  boot.statistics = apply(boot.samples,1,mean)
  se = sd(boot.statistics)
  require(ggplot2)
  if ( is.null(binwidth) )
    binwidth = diff(range(boot.statistics))/30
  p = ggplot(data.frame(x=boot.statistics),aes(x=x)) +
    geom_histogram(aes(y=..density..),binwidth=binwidth) + geom_density(color="red")
  plot(p)
  interval = mean(x) + c(-1,1)*2*se
  #print( interval )
  return( list(boot.mean=mean(x), boot.statistics = boot.statistics, interval=interval, se=se, plot=p) )
}

mean3= boot.mean(x, B)$boot.mean
```




```
ci3=boot.mean(x, B)$interval
```




```
#mys
res2=c(mean2, ci2)
res3=c(mean3, ci3)

mysres=rbind(res2, res3)
mysres #results of the coefficients with CI for Mysore
```

```
##             [,1]        [,2]        [,3]
## res2 -0.04587121 -0.05780455 -0.03393788
## res3 -0.17170455 -0.18678692 -0.15662217
```

```
#####################################################
#hyderabad #
#####################################

summary(dat$Latitude)
```

```
##    Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
##   13.49   14.28   14.96   15.25   16.21   17.75     138
```

```
summary(dat$Longitude)
```

```
##    Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
##   74.12   75.26   75.89   75.90   76.48   77.67     138
```

```
summary(dat$border1)     #mysore-bombay
```

```
##    Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
##   0.000   0.000   1.000   0.599   1.000   1.000    5146
```

```r
summary(dat$border2)     #hyd-bombay
```

```
##    Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
##   0.000   0.000   1.000   0.569   1.000   1.000    6425
```

```r
summary(dat$pucca_binary)
```

```
##    Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
##  0.0000  1.0000  1.0000  0.8306  1.0000  1.0000
```

```r
pointsALL<- read.dbf("~/Dropbox/Personal Research 2017/replications/hyd_borderpts.dbf") #load the point
dim(pointsALL)
```

```
## [1] 336 128
```

```r
names(pointsALL)
```

```
##   [1] "OBJECTID"   "VILLAGE_ID" "NAME"       "SUB_DISTRI" "DISTRICT"   "STATE_UT"   "C_CODE01"   "LE
##  [23] "M_LIT"      "F_LIT"      "TOT_ILLT"   "M_ILLT"     "F_ILLT"     "TOT_W"      "M_W"        "F_
##  [45] "F_OTH_W"    "TOT_MRW"    "M_MRW"      "F_MRW"      "T_MRG_CULT" "M_MRG_CULT" "F_MRG_CULT" "T_
##  [67] "district_2" "state_ut_2" "c_code01_2" "level_2"    "tot_nm_hh_" "tot_pop_2"  "m_pop_2"    "f_
##  [89] "f_illt_2"   "tot_w_2"    "m_w_2"      "f_w_2"      "tot_mnw_2"  "m_mnw_2"    "f_mnw_2"    "to
## [111] "t_mrg_cu_1" "m_mrg_cu_1" "f_mrg_cu_1" "t_mrg_ag_1" "m_mrg_ag_1" "f_mrg_ag_1" "t_mrg_hh_2" "m_
```

```r
pointsALL$latitude= pointsALL$Latitude
pointsALL$longitude= -pointsALL$Longitude


## Look at latitude and longitude ( for this town lat: 43, long:87)
range(pointsALL$latitude)
```

```
## [1] 15.1546 17.3209
```

```r
range(pointsALL$longitude)
```

```
## [1] -76.4717 -75.7762
```

```r
data=dat[which(dat$Latitude!="NA"|dat$Longitude!="NA"),]

data$longitude=-data$Longitude
data$latitude=data$Latitude
data$treat=data$border2
summary(data$treat)
```

```
##    Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
##   0.000   0.000   1.000   0.569   1.000   1.000    6287
```

```r
range(data$latitude)
```

```
## [1] 13.49358 17.75469
```

```r
range(data$longitude)
```

```
## [1] -77.67305 -74.12059
```

```r
#health
##########################################
#
# Define outcomes of analysis
#
```

```
########################################
outcomes <- c("health_binary") #substitute the necessary outcome


########################################
#
# Use same fix bandwidth for every point
#
########################################
# define points
z = c(1:nrow(pointsALL))
#z = c(20, 75, 150, 225)
cat("We only include points below \n")
```

```
## We only include points below
```

```
print(z)
```

```
##   [1]   1   2   3   4   5   6   7   8   9  10  11  12  13  14  15  16  17  18  19  20  21  22  23  24
##  [74]  74  75  76  77  78  79  80  81  82  83  84  85  86  87  88  89  90  91  92  93  94  95  96  97
## [147] 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170
## [220] 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243
## [293] 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316
```

```
points = pointsALL[z,]


# use fixed bandwidth for every point and outcome
hfix = band
hlist =  vector("list", length(outcomes))
for(j in 1:length(outcomes)) hlist[[j]] = rep(hfix, length(z))

########################################
#
# Estimate yhat for treatments and controls separately, using fixed bandwidth, for every outcome
#
########################################
## Set up parameters for estimation
dislimit10per = 1.00
dislimitmin   = 0.50
minobs = 10
np = nrow(points)




colnm2 = c("Point", "Estimate", "Conv-CIl",  "Conv-CIu", "hfix", "Ntr-hfix", "Nco-hfix", "Rob-CIl",  "Ro
finaltab = as.data.frame(matrix(data=NA, ncol = length(colnm2), nrow = np * length(outcomes), dimnames =



for(j in 1:length(outcomes)) {
  t0 = proc.time()[3]
  cat("/*****************************************************************************\n")
```

```
cat("Starting estimation of variable", outcomes[j], "\n")
cat("/*****************************************************************************\n")
## Set up data
datause = data[complete.cases(data$latitude, data$longitude, data$treat, data[,c(outcomes[j])]),]

## Get covariates: latitude and longitude
x1 <- datause$latitude
x2 <- datause$longitude
# Get outcome
y <- datause[,c(outcomes[j])]
treat <- datause$treat
#table(datause$countyname, datause$treat)

## Set up treated data
indx = (treat == 1)
sum(indx)
x1.Tr <- x1[indx]
x2.Tr <- x2[indx]
y.Tr  <- y[indx]
rm(indx)
gc()

## Set up control data
indx = (treat == 0)
sum(indx)
x1.Co <- x1[indx]
x2.Co <- x2[indx]
y.Co  <- y[indx]
rm(indx)
gc()


for(i in 1:np) {
  cat("Point", i, "of", np, "\n")
  b1 = points$latitude[i]
  b2 = points$longitude[i]
  h = hlist[[j]][i]


  ####################################
  #### Calculate score in treated area
  ####################################

  ## Calculate chordal distance between each (x1,x2) latitude-longitude pair in the data and the poin
  outdis = disvec(lat1=b1, lon1=b2, lat2 = x1.Tr, lon2 = x2.Tr)
  dis= as.vector(outdis$chord)
  summary(dis)
  disTr = dis
  cat("Minimum treated distance is ",min(dis), "\n")

  ## Create weights using triangular kernel and fixed bandwidth
  w = as.vector((1/h) * Kt((dis-0)/h))
  wTr=w
```

```
  npTr = sum(w>0)
  cat("There are", npTr, "Tr observations with positive weights out of", length(y.Tr), "Tr obs \n")

  ###################################
  #### Calculate score in control area
  ###################################
  ## Calculate chordal distance between each (x1,x2) latitude-longitude pair in the data and the poin
  outdis = disvec(lat1=b1, lon1=b2, lat2 = x1.Co, lon2 = x2.Co)
  dis= as.vector(outdis$chord)
  summary(dis)
  disCo = dis
  cat("Minimum control distance is ",min(dis), "\n")
  ## Create weights using triangular kernel and fixed bandwidth
  w = as.vector((1/h) * Kt((dis-0)/h))
  wCo=w
  npCo = sum(w>0)
  cat("There are", npCo, "Co observations with positive weights out of", length(y.Co), "Co obs \n")


  score = c(disTr, -disCo)
  y = c(y.Tr, y.Co)

  if(npTr >= minobs & npCo >= minobs) {
    #rdout = rdrobust(y = y , x = score , c = 0 , h = h)
    #print(rdout)
    #rdout.Coef = summary(rdout)

    rdoutCCT = rdrobust(y = y ,x = score , c = 0 , bwselect = "mserd")
    print(rdoutCCT)
    hCCT = rdoutCCT$bws[1]
    rdoutCCT.Coef = summary(rdoutCCT)
    rdoutCCT$sum

    #rdoutIK  = rdrobust(y = y ,x = score , c = 0 , bwselect = "cerrd")
    #print(rdoutIK)
    #hIK = rdoutIK$bws[1]
    #rdoutIK.Coef = summary(rdoutIK)
  }

  ###################################
  # Store results
  ###################################
  finaltab[i,"Point"]         = i
  finaltab[i, "Estimate"]     = round(rdoutCCT$coef[1], 2)
  finaltab[i, "Conv-CIl"]     = round(rdoutCCT$ci[1,1], 2)
  finaltab[i,  "Conv-CIu"]    = round(rdoutCCT$ci[1,2], 2)
  finaltab[i, "hfix"]         = hfix
  finaltab[i, "Ntr-hfix"]     = npTr
  finaltab[i, "Nco-hfix"]     = npCo
  finaltab[i, "Rob-CIl"]      = round(rdoutCCT$ci[3,1], 2)
  finaltab[i, "Rob-CIu"]      = round(rdoutCCT$ci[3,2], 2)
  #finaltab[i,"hCCT"]          = round(hCCT, 2)
  #finaltab[i, "Ntr-hCCT"]     = rdoutCCT$sum[1,2]
```

```
    #finaltab[i,"Nco-hCCT"]      = rdoutCCT$sum[1,1]
  }

  cat("\n\n\n")
  cat("----------------------------------------------------------\n")
  cat("Final results -- Outcome", outcomes[j], "\n")
  print(finaltab)
  cat("----------------------------------------------------------\n")
}# end iterating over outcomes
```

```
## /*****************************************************************************
## Starting estimation of variable health_binary
## /*****************************************************************************
## Point 1 of 336
## Minimum treated distance is  4.240693
## There are 9 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.248322
## There are 34 Co observations with positive weights out of 2671 Co obs
## Point 2 of 336
## Minimum treated distance is  4.37753
## There are 10 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.877566
## There are 37 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            622         696
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                100.954     100.954
## BW bias (b)                158.798     158.798
## rho (h/b)                    0.636       0.636
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            622         696
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                100.954     100.954
## BW bias (b)                158.798     158.798
## rho (h/b)                    0.636       0.636
```

```
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.006     0.099     0.057     0.955    [-0.188 , 0.200]
##         Robust         -         -     0.028     0.978    [-0.253 , 0.260]
## ===============================================================================
## Point 3 of 336
## Minimum treated distance is  3.202792
## There are 14 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.321924
## There are 39 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            653         779
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                102.358     102.358
## BW bias (b)                159.340     159.340
## rho (h/b)                    0.642       0.642
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            653         779
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                102.358     102.358
## BW bias (b)                159.340     159.340
## rho (h/b)                    0.642       0.642
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.008     0.092     0.085     0.932    [-0.173 , 0.189]
##         Robust         -         -     0.062     0.950    [-0.231 , 0.246]
## ===============================================================================
## Point 4 of 336
## Minimum treated distance is  4.443622
```

```
## There are 14 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  3.148917
## There are 48 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            665         772
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                100.219     100.219
## BW bias (b)                154.186     154.186
## rho (h/b)                    0.650       0.650
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            665         772
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                100.219     100.219
## BW bias (b)                154.186     154.186
## rho (h/b)                    0.650       0.650
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.007     0.092     0.081     0.935    [-0.173 , 0.188]
##         Robust         -         -     0.075     0.940    [-0.231 , 0.249]
## ===============================================================================
## Point 5 of 336
## Minimum treated distance is  2.804569
## There are 20 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.205445
## There are 49 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
```

```
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             706         866
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                 103.643     103.643
## BW bias (b)                 157.460     157.460
## rho (h/b)                     0.658       0.658
## Unique Obs.                    2357        2951
##
## Call: rdrobust
##
## Number of Obs.                  6193
## BW type                        mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             706         866
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                 103.643     103.643
## BW bias (b)                 157.460     157.460
## rho (h/b)                     0.658       0.658
## Unique Obs.                    2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.008     0.093     0.081     0.936    [-0.174 , 0.189]
##         Robust         -         -     0.084     0.933    [-0.233 , 0.254]
## ===============================================================================
## Point 6 of 336
## Minimum treated distance is  2.187643
## There are 21 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.278975
## There are 50 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                  6193
## BW type                        mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             708         876
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                 103.850     103.850
## BW bias (b)                 157.766     157.766
## rho (h/b)                     0.658       0.658
## Unique Obs.                    2357        2951
##
```

```
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            708         876
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                103.850     103.850
## BW bias (b)                157.766     157.766
## rho (h/b)                    0.658       0.658
## Unique Obs.                  2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.008     0.090     0.091     0.928    [-0.168 , 0.184]
##         Robust         -         -     0.097     0.923    [-0.225 , 0.248]
## ===============================================================================
## Point 7 of 336
## Minimum treated distance is  1.725856
## There are 21 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.557977
## There are 49 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            688         863
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                102.051     102.051
## BW bias (b)                156.582     156.582
## rho (h/b)                    0.652       0.652
## Unique Obs.                  2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            688         863
## Order est. (p)                   1           1
```

```
## Order bias  (q)                 2          2
## BW est. (h)               102.051    102.051
## BW bias (b)               156.582    156.582
## rho (h/b)                   0.652      0.652
## Unique Obs.                  2357       2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.012     0.088     0.132     0.895    [-0.160 , 0.184]
##         Robust         -         -     0.134     0.894    [-0.213 , 0.244]
## ===============================================================================
## Point 8 of 336
## Minimum treated distance is  1.66148
## There are 26 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.217556
## There are 51 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2671       3522
## Eff. Number of Obs.           700        893
## Order est. (p)                  1          1
## Order bias  (q)                 2          2
## BW est. (h)               102.058    102.058
## BW bias (b)               156.420    156.420
## rho (h/b)                   0.652      0.652
## Unique Obs.                  2357       2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2671       3522
## Eff. Number of Obs.           700        893
## Order est. (p)                  1          1
## Order bias  (q)                 2          2
## BW est. (h)               102.058    102.058
## BW bias (b)               156.420    156.420
## rho (h/b)                   0.652      0.652
## Unique Obs.                  2357       2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.013     0.085     0.152     0.879    [-0.154 , 0.179]
```

```
##         Robust         -         -     0.163     0.870    [-0.203 , 0.240]
## ================================================================================
## Point 9 of 336
## Minimum treated distance is  2.337018
## There are 28 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.931109
## There are 48 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            689         894
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                100.570     100.570
## BW bias (b)                155.591     155.591
## rho (h/b)                    0.646       0.646
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            689         894
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                100.570     100.570
## BW bias (b)                155.591     155.591
## rho (h/b)                    0.646       0.646
## Unique Obs.                   2357        2951
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional     0.015     0.085     0.182     0.856    [-0.151 , 0.182]
##         Robust         -         -     0.194     0.847    [-0.197 , 0.240]
## ================================================================================
## Point 10 of 336
## Minimum treated distance is  3.832727
## There are 28 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.951436
## There are 58 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
```

```
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            664         865
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 97.111      97.111
## BW bias (b)                150.808     150.808
## rho (h/b)                    0.644       0.644
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            664         865
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 97.111      97.111
## BW bias (b)                150.808     150.808
## rho (h/b)                    0.644       0.644
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.019     0.086     0.224     0.823    [-0.150 , 0.188]
##         Robust         -         -     0.227     0.821    [-0.195 , 0.246]
## ===============================================================================
## Point 11 of 336
## Minimum treated distance is  2.680483
## There are 30 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.729078
## There are 61 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            637         835
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 93.340      93.340
```

```
## BW bias (b)                146.184     146.184
## rho (h/b)                    0.639       0.639
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            637         835
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 93.340      93.340
## BW bias (b)                146.184     146.184
## rho (h/b)                    0.639       0.639
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.021     0.085     0.241     0.809    [-0.146 , 0.187]
##         Robust         -         -     0.233     0.816    [-0.190 , 0.241]
## ===============================================================================
## Point 12 of 336
## Minimum treated distance is  1.822494
## There are 34 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.112341
## There are 59 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            578         740
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 87.067      87.067
## BW bias (b)                138.575     138.575
## rho (h/b)                    0.628       0.628
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
```

```
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             578         740
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  87.067      87.067
## BW bias (b)                 138.575     138.575
## rho (h/b)                     0.628       0.628
## Unique Obs.                    2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.023     0.088     0.267     0.790    [-0.149 , 0.196]
##         Robust         -         -     0.281     0.779    [-0.187 , 0.250]
## ===============================================================================
## Point 13 of 336
## Minimum treated distance is  2.875603
## There are 76 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  4.721643
## There are 35 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             247         422
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  56.103      56.103
## BW bias (b)                 102.076     102.076
## rho (h/b)                     0.550       0.550
## Unique Obs.                    2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             247         422
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  56.103      56.103
## BW bias (b)                 102.076     102.076
## rho (h/b)                     0.550       0.550
## Unique Obs.                    2357        2951
##
```

```
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.064     0.130    -0.493     0.622    [-0.320 , 0.191]
##         Robust         -         -    -0.503     0.615    [-0.391 , 0.231]
## ================================================================================
## Point 14 of 336
## Minimum treated distance is  2.189093
## There are 57 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.25271
## There are 56 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            384         497
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 65.663      65.663
## BW bias (b)                109.566     109.566
## rho (h/b)                    0.599       0.599
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            384         497
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 65.663      65.663
## BW bias (b)                109.566     109.566
## rho (h/b)                    0.599       0.599
## Unique Obs.                   2357        2951
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.019     0.101    -0.193     0.847    [-0.217 , 0.178]
##         Robust         -         -    -0.144     0.886    [-0.262 , 0.226]
## ================================================================================
## Point 15 of 336
## Minimum treated distance is  0.9603974
## There are 57 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.506792
```

```
## There are 58 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            404         517
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 67.220      67.220
## BW bias (b)                111.467     111.467
## rho (h/b)                    0.603       0.603
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            404         517
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 67.220      67.220
## BW bias (b)                111.467     111.467
## rho (h/b)                    0.603       0.603
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.009     0.100    -0.088     0.930    [-0.204 , 0.186]
##         Robust         -         -    -0.024     0.981    [-0.245 , 0.239]
## ===============================================================================
## Point 16 of 336
## Minimum treated distance is  1.473052
## There are 38 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.57529
## There are 55 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
```

```
## Eff. Number of Obs.            531         697
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 82.737      82.737
## BW bias (b)                133.787     133.787
## rho (h/b)                    0.618       0.618
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            531         697
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 82.737      82.737
## BW bias (b)                133.787     133.787
## rho (h/b)                    0.618       0.618
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.029     0.089     0.325     0.746    [-0.146 , 0.204]
##         Robust         -         -     0.354     0.723    [-0.179 , 0.258]
## ===============================================================================
## Point 17 of 336
## Minimum treated distance is  2.4303
## There are 38 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.324676
## There are 58 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            483         595
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 75.799      75.799
## BW bias (b)                123.429     123.429
## rho (h/b)                    0.614       0.614
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
```

```
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            483         595
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 75.799      75.799
## BW bias (b)                123.429     123.429
## rho (h/b)                    0.614       0.614
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.028     0.097     0.286     0.775    [-0.163 , 0.218]
##         Robust         -         -     0.330     0.741    [-0.197 , 0.277]
## ===============================================================================
## Point 18 of 336
## Minimum treated distance is  1.2283
## There are 35 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.407813
## There are 59 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            544         690
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 83.662      83.662
## BW bias (b)                134.676     134.676
## rho (h/b)                    0.621       0.621
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            544         690
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 83.662      83.662
```

```
## BW bias (b)                134.676     134.676
## rho (h/b)                    0.621       0.621
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.027     0.089     0.301     0.763    [-0.147 , 0.200]
##         Robust         -         -     0.327     0.743    [-0.182 , 0.255]
## ===============================================================================
## Point 19 of 336
## Minimum treated distance is  1.015033
## There are 63 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.879691
## There are 45 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            313         445
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 60.151      60.151
## BW bias (b)                104.361     104.361
## rho (h/b)                    0.576       0.576
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            313         445
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 60.151      60.151
## BW bias (b)                104.361     104.361
## rho (h/b)                    0.576       0.576
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.046     0.113    -0.412     0.680    [-0.267 , 0.174]
##         Robust         -         -    -0.406     0.685    [-0.327 , 0.215]
## ===============================================================================
```

```
## Point 20 of 336
## Minimum treated distance is  0.9292736
## There are 54 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.017443
## There are 60 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            416         522
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 67.883      67.883
## BW bias (b)                111.611     111.611
## rho (h/b)                    0.608       0.608
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            416         522
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 67.883      67.883
## BW bias (b)                111.611     111.611
## rho (h/b)                    0.608       0.608
## Unique Obs.                   2357        2951
##
## ============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ============================================================================
##   Conventional    -0.006     0.101    -0.062     0.950    [-0.204 , 0.191]
##         Robust         -         -    -0.006     0.995    [-0.246 , 0.244]
## ============================================================================
## Point 21 of 336
## Minimum treated distance is  1.759884
## There are 39 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.56159
## There are 62 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
```

```
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            449         532
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 71.073      71.073
## BW bias (b)                117.234     117.234
## rho (h/b)                    0.606       0.606
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            449         532
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 71.073      71.073
## BW bias (b)                117.234     117.234
## rho (h/b)                    0.606       0.606
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.015     0.097     0.156     0.876    [-0.175 , 0.205]
##         Robust         -         -     0.218     0.828    [-0.209 , 0.261]
## ===============================================================================
## Point 22 of 336
## Minimum treated distance is  1.638323
## There are 47 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  0.8876207
## There are 62 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            411         493
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 66.744      66.744
## BW bias (b)                110.331     110.331
## rho (h/b)                    0.605       0.605
```

```
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            411         493
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 66.744      66.744
## BW bias (b)                110.331     110.331
## rho (h/b)                    0.605       0.605
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.008     0.098    -0.084     0.933    [-0.200 , 0.184]
##         Robust         -         -    -0.035     0.972    [-0.242 , 0.233]
## ===============================================================================
## Point 23 of 336
## Minimum treated distance is  1.776076
## There are 38 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.02483
## There are 64 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            442         514
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 69.590      69.590
## BW bias (b)                114.375     114.375
## rho (h/b)                    0.608       0.608
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                2671        3522
```

```
## Eff. Number of Obs.            442         514
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 69.590      69.590
## BW bias (b)                114.375     114.375
## rho (h/b)                    0.608       0.608
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.009     0.098     0.096     0.923    [-0.183 , 0.202]
##         Robust         -         -     0.156     0.876    [-0.220 , 0.258]
## ===============================================================================
## Point 24 of 336
## Minimum treated distance is  1.529271
## There are 43 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.395437
## There are 66 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            422         488
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 66.837      66.837
## BW bias (b)                111.027     111.027
## rho (h/b)                    0.602       0.602
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            422         488
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 66.837      66.837
## BW bias (b)                111.027     111.027
## rho (h/b)                    0.602       0.602
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
```

```
## ================================================================================
##   Conventional    -0.004     0.095    -0.040     0.968    [-0.190 , 0.183]
##         Robust         -         -     0.012     0.990    [-0.229 , 0.232]
## ================================================================================
## Point 25 of 336
## Minimum treated distance is  1.436072
## There are 90 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.517115
## There are 39 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            129         270
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 40.555      40.555
## BW bias (b)                 83.773      83.773
## rho (h/b)                    0.484       0.484
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            129         270
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 40.555      40.555
## BW bias (b)                 83.773      83.773
## rho (h/b)                    0.484       0.484
## Unique Obs.                   2357        2951
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.201     0.150    -1.339     0.181    [-0.496 , 0.093]
##         Robust         -         -    -1.436     0.151    [-0.577 , 0.089]
## ================================================================================
## Point 26 of 336
## Minimum treated distance is  0.9872303
## There are 83 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  3.717259
## There are 35 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
```

```
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            200         361
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 50.293      50.293
## BW bias (b)                 95.268      95.268
## rho (h/b)                    0.528       0.528
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            200         361
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 50.293      50.293
## BW bias (b)                 95.268      95.268
## rho (h/b)                    0.528       0.528
## Unique Obs.                   2357        2951
##
## =============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## =============================================================================
##   Conventional    -0.103     0.147    -0.702     0.483    [-0.390 , 0.184]
##         Robust         -         -    -0.749     0.454    [-0.472 , 0.211]
## =============================================================================
## Point 27 of 336
## Minimum treated distance is  0.7365893
## There are 89 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.301077
## There are 39 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            127         261
## Order est. (p)                   1           1
```

```
## Order bias  (q)                 2          2
## BW est. (h)                40.178     40.178
## BW bias (b)                83.133     83.133
## rho (h/b)                   0.483      0.483
## Unique Obs.                 2357       2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2671       3522
## Eff. Number of Obs.           127        261
## Order est. (p)                  1          1
## Order bias  (q)                 2          2
## BW est. (h)                40.178     40.178
## BW bias (b)                83.133     83.133
## rho (h/b)                   0.483      0.483
## Unique Obs.                 2357       2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.198     0.143    -1.379     0.168    [-0.479 , 0.083]
##         Robust         -         -    -1.484     0.138    [-0.557 , 0.077]
## ===============================================================================
## Point 28 of 336
## Minimum treated distance is  1.012523
## There are 80 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.772262
## There are 38 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2671       3522
## Eff. Number of Obs.           169        308
## Order est. (p)                  1          1
## Order bias  (q)                 2          2
## BW est. (h)                45.706     45.706
## BW bias (b)                90.189     90.189
## rho (h/b)                   0.507      0.507
## Unique Obs.                 2357       2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
```

```
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            169         308
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.706      45.706
## BW bias (b)                 90.189      90.189
## rho (h/b)                    0.507       0.507
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.122     0.147    -0.832     0.405    [-0.409 , 0.165]
##         Robust         -         -    -0.933     0.351    [-0.491 , 0.174]
## ===============================================================================
## Point 29 of 336
## Minimum treated distance is  1.082082
## There are 78 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.715348
## There are 47 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            161         281
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 43.755      43.755
## BW bias (b)                 87.435      87.435
## rho (h/b)                    0.500       0.500
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            161         281
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 43.755      43.755
## BW bias (b)                 87.435      87.435
## rho (h/b)                    0.500       0.500
```

```
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.143     0.137    -1.044     0.297    [-0.412 , 0.126]
##         Robust         -         -    -1.157     0.247    [-0.491 , 0.126]
## ===============================================================================
## Point 30 of 336
## Minimum treated distance is  0.9500749
## There are 81 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  0.9529808
## There are 40 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            126         237
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 38.854      38.854
## BW bias (b)                 81.376      81.376
## rho (h/b)                    0.477       0.477
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            126         237
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 38.854      38.854
## BW bias (b)                 81.376      81.376
## rho (h/b)                    0.477       0.477
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.208     0.135    -1.545     0.122    [-0.473 , 0.056]
##         Robust         -         -    -1.654     0.098    [-0.547 , 0.046]
## ===============================================================================
## Point 31 of 336
## Minimum treated distance is  2.263368
```

```
## There are 90 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.258362
## There are 39 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            115         245
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 37.895      37.895
## BW bias (b)                 80.485      80.485
## rho (h/b)                    0.471       0.471
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            115         245
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 37.895      37.895
## BW bias (b)                 80.485      80.485
## rho (h/b)                    0.471       0.471
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.238     0.132    -1.802     0.072    [-0.498 , 0.021]
##         Robust         -         -    -1.911     0.056    [-0.573 , 0.007]
## ===============================================================================
## Point 32 of 336
## Minimum treated distance is  1.441805
## There are 86 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.02814
## There are 42 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
```

```
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             119         220
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  37.221      37.221
## BW bias (b)                  78.653      78.653
## rho (h/b)                     0.473       0.473
## Unique Obs.                    2357        2951
##
## Call: rdrobust
##
## Number of Obs.                  6193
## BW type                        mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             119         220
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  37.221      37.221
## BW bias (b)                  78.653      78.653
## rho (h/b)                     0.473       0.473
## Unique Obs.                    2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.249     0.126    -1.970     0.049    [-0.496 , -0.001]
##         Robust         -         -    -2.084     0.037    [-0.570 , -0.018]
## ===============================================================================
## Point 33 of 336
## Minimum treated distance is  1.995024
## There are 79 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.721812
## There are 50 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                  6193
## BW type                        mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             118         191
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  35.659      35.659
## BW bias (b)                  76.896      76.896
## rho (h/b)                     0.464       0.464
## Unique Obs.                    2357        2951
##
```

```
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            118         191
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 35.659      35.659
## BW bias (b)                 76.896      76.896
## rho (h/b)                    0.464       0.464
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.276     0.117    -2.360     0.018    [-0.506 , -0.047]
##         Robust         -         -    -2.462     0.014    [-0.580 , -0.066]
## ===============================================================================
## Point 34 of 336
## Minimum treated distance is  1.405971
## There are 87 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.623209
## There are 48 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            128         230
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 38.243      38.243
## BW bias (b)                 80.538      80.538
## rho (h/b)                    0.475       0.475
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            128         230
## Order est. (p)                   1           1
```

```
## Order bias  (q)                 2          2
## BW est. (h)                38.243     38.243
## BW bias (b)                80.538     80.538
## rho (h/b)                   0.475      0.475
## Unique Obs.                 2357       2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.255     0.136    -1.875     0.061    [-0.521 , 0.012]
##         Robust         -         -    -1.974     0.048    [-0.600 , -0.002]
## ===============================================================================
## Point 35 of 336
## Minimum treated distance is  1.645537
## There are 81 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.366098
## There are 50 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2671       3522
## Eff. Number of Obs.           132        235
## Order est. (p)                  1          1
## Order bias  (q)                 2          2
## BW est. (h)                38.276     38.276
## BW bias (b)                80.668     80.668
## rho (h/b)                   0.474      0.474
## Unique Obs.                 2357       2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2671       3522
## Eff. Number of Obs.           132        235
## Order est. (p)                  1          1
## Order bias  (q)                 2          2
## BW est. (h)                38.276     38.276
## BW bias (b)                80.668     80.668
## rho (h/b)                   0.474      0.474
## Unique Obs.                 2357       2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.264     0.141    -1.880     0.060    [-0.540 , 0.011]
```

```
##         Robust         -         -    -1.972     0.049    [-0.621 , -0.002]
## ================================================================================
## Point 36 of 336
## Minimum treated distance is  1.165923
## There are 86 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.589549
## There are 46 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            171         325
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.473      44.473
## BW bias (b)                 87.461      87.461
## rho (h/b)                    0.508       0.508
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            171         325
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.473      44.473
## BW bias (b)                 87.461      87.461
## rho (h/b)                    0.508       0.508
## Unique Obs.                   2357        2951
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.210     0.141    -1.483     0.138    [-0.487 , 0.067]
##         Robust         -         -    -1.535     0.125    [-0.572 , 0.070]
## ================================================================================
## Point 37 of 336
## Minimum treated distance is  2.828804
## There are 79 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  0.9234135
## There are 54 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
```

```
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            143         247
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 39.017      39.017
## BW bias (b)                 80.695      80.695
## rho (h/b)                    0.484       0.484
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            143         247
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 39.017      39.017
## BW bias (b)                 80.695      80.695
## rho (h/b)                    0.484       0.484
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.268     0.141    -1.907     0.057    [-0.544 , 0.007]
##         Robust         -         -    -2.001     0.045    [-0.631 , -0.007]
## ===============================================================================
## Point 38 of 336
## Minimum treated distance is  2.596393
## There are 81 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.741947
## There are 50 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            159         281
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.483      41.483
```

```
## BW bias (b)                 83.659      83.659
## rho (h/b)                    0.496       0.496
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            159         281
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.483      41.483
## BW bias (b)                 83.659      83.659
## rho (h/b)                    0.496       0.496
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.250     0.144    -1.732     0.083    [-0.532 , 0.033]
##         Robust         -         -    -1.797     0.072    [-0.619 , 0.027]
## ===============================================================================
## Point 39 of 336
## Minimum treated distance is  1.675129
## There are 87 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.321223
## There are 41 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            171         351
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.743      45.743
## BW bias (b)                 90.161      90.161
## rho (h/b)                    0.507       0.507
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
```

```
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             171         351
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  45.743      45.743
## BW bias (b)                  90.161      90.161
## rho (h/b)                     0.507       0.507
## Unique Obs.                    2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.197     0.137    -1.432     0.152    [-0.466 , 0.072]
##         Robust         -         -    -1.453     0.146    [-0.545 , 0.081]
## ===============================================================================
## Point 40 of 336
## Minimum treated distance is  2.926197
## There are 83 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.507727
## There are 44 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             176         360
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  45.738      45.738
## BW bias (b)                  89.931      89.931
## rho (h/b)                     0.509       0.509
## Unique Obs.                    2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             176         360
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  45.738      45.738
## BW bias (b)                  89.931      89.931
## rho (h/b)                     0.509       0.509
## Unique Obs.                    2357        2951
##
```

```
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.200     0.135    -1.480     0.139    [-0.465 , 0.065]
##         Robust         -         -    -1.494     0.135    [-0.543 , 0.073]
## ================================================================================
## Point 41 of 336
## Minimum treated distance is  2.497322
## There are 80 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.089708
## There are 48 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            181         374
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 46.155      46.155
## BW bias (b)                 88.738      88.738
## rho (h/b)                    0.520       0.520
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            181         374
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 46.155      46.155
## BW bias (b)                 88.738      88.738
## rho (h/b)                    0.520       0.520
## Unique Obs.                   2357        2951
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.194     0.133    -1.457     0.145    [-0.455 , 0.067]
##         Robust         -         -    -1.468     0.142    [-0.534 , 0.077]
## ================================================================================
## Point 42 of 336
## Minimum treated distance is  2.86995
## There are 79 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  3.310183
```

```
## There are 47 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            204         422
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 48.745      48.745
## BW bias (b)                 90.939      90.939
## rho (h/b)                    0.536       0.536
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            204         422
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 48.745      48.745
## BW bias (b)                 90.939      90.939
## rho (h/b)                    0.536       0.536
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.160     0.130    -1.225     0.221    [-0.415 , 0.096]
##         Robust         -         -    -1.231     0.218    [-0.492 , 0.112]
## ===============================================================================
## Point 43 of 336
## Minimum treated distance is  1.866176
## There are 79 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.777591
## There are 46 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
```

```
## Eff. Number of Obs.            220         458
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 50.597      50.597
## BW bias (b)                 93.296      93.296
## rho (h/b)                    0.542       0.542
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            220         458
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 50.597      50.597
## BW bias (b)                 93.296      93.296
## rho (h/b)                    0.542       0.542
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.125     0.123    -1.020     0.308    [-0.367 , 0.116]
##         Robust         -         -    -1.031     0.303    [-0.439 , 0.136]
## ===============================================================================
## Point 44 of 336
## Minimum treated distance is  0.9125126
## There are 76 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  3.101044
## There are 41 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            232         468
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 50.697      50.697
## BW bias (b)                 92.580      92.580
## rho (h/b)                    0.548       0.548
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
```

```
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            232         468
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 50.697      50.697
## BW bias (b)                 92.580      92.580
## rho (h/b)                    0.548       0.548
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.108     0.113    -0.960     0.337    [-0.329 , 0.113]
##         Robust         -         -    -0.952     0.341    [-0.393 , 0.136]
## ===============================================================================
## Point 45 of 336
## Minimum treated distance is  2.004749
## There are 71 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.91385
## There are 48 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            246         464
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 50.872      50.872
## BW bias (b)                 92.678      92.678
## rho (h/b)                    0.549       0.549
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            246         464
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 50.872      50.872
```

```
## BW bias (b)                 92.678      92.678
## rho (h/b)                    0.549       0.549
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.102     0.119    -0.856     0.392    [-0.335 , 0.131]
##         Robust         -         -    -0.855     0.392    [-0.402 , 0.158]
## ===============================================================================
## Point 46 of 336
## Minimum treated distance is  2.086984
## There are 70 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.668499
## There are 44 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            298         571
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 56.296      56.296
## BW bias (b)                 96.394      96.394
## rho (h/b)                    0.584       0.584
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            298         571
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 56.296      56.296
## BW bias (b)                 96.394      96.394
## rho (h/b)                    0.584       0.584
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.032     0.110    -0.293     0.770    [-0.248 , 0.184]
##         Robust         -         -    -0.275     0.783    [-0.303 , 0.229]
## ===============================================================================
```

```
## Point 47 of 336
## Minimum treated distance is  1.841657
## There are 62 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.585973
## There are 56 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            247         429
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.885      49.885
## BW bias (b)                 90.686      90.686
## rho (h/b)                    0.550       0.550
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            247         429
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.885      49.885
## BW bias (b)                 90.686      90.686
## rho (h/b)                    0.550       0.550
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.111     0.129    -0.859     0.391    [-0.363 , 0.142]
##         Robust         -         -    -0.887     0.375    [-0.439 , 0.165]
## ===============================================================================
## Point 48 of 336
## Minimum treated distance is  1.226921
## There are 57 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.080679
## There are 57 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
```

```
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            254         417
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.459      49.459
## BW bias (b)                 89.516      89.516
## rho (h/b)                    0.553       0.553
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            254         417
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.459      49.459
## BW bias (b)                 89.516      89.516
## rho (h/b)                    0.553       0.553
## Unique Obs.                   2357        2951
##
## ============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ============================================================================
##   Conventional    -0.105     0.131    -0.800     0.424    [-0.362 , 0.152]
##         Robust         -         -    -0.839     0.401    [-0.439 , 0.176]
## ============================================================================
## Point 49 of 336
## Minimum treated distance is  1.609514
## There are 54 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.239623
## There are 55 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            268         425
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.868      49.868
## BW bias (b)                 89.845      89.845
## rho (h/b)                    0.555       0.555
```

```
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            268         425
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.868      49.868
## BW bias (b)                 89.845      89.845
## rho (h/b)                    0.555       0.555
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.089     0.119    -0.746     0.456    [-0.323 , 0.145]
##         Robust         -         -    -0.764     0.445    [-0.391 , 0.172]
## ===============================================================================
## Point 50 of 336
## Minimum treated distance is  2.767013
## There are 68 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.631061
## There are 42 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            298         589
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 56.769      56.769
## BW bias (b)                 97.829      97.829
## rho (h/b)                    0.580       0.580
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                2671        3522
```

```
## Eff. Number of Obs.            298         589
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 56.769      56.769
## BW bias (b)                 97.829      97.829
## rho (h/b)                    0.580       0.580
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.018     0.108    -0.171     0.864    [-0.231 , 0.194]
##         Robust         -         -    -0.144     0.886    [-0.281 , 0.242]
## ===============================================================================
## Point 51 of 336
## Minimum treated distance is  2.896059
## There are 69 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.402306
## There are 38 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            332         686
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 60.127      60.127
## BW bias (b)                104.144     104.144
## rho (h/b)                    0.577       0.577
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            332         686
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 60.127      60.127
## BW bias (b)                104.144     104.144
## rho (h/b)                    0.577       0.577
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
```

```
## ================================================================================
##   Conventional     0.010     0.111     0.090     0.929    [-0.208 , 0.228]
##         Robust         -         -     0.152     0.879    [-0.250 , 0.292]
## ================================================================================
## Point 52 of 336
## Minimum treated distance is  1.782922
## There are 53 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.805235
## There are 58 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            269         418
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.668      49.668
## BW bias (b)                 88.943      88.943
## rho (h/b)                    0.558       0.558
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            269         418
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.668      49.668
## BW bias (b)                 88.943      88.943
## rho (h/b)                    0.558       0.558
## Unique Obs.                   2357        2951
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.083     0.116    -0.721     0.471    [-0.310 , 0.143]
##         Robust         -         -    -0.738     0.461    [-0.376 , 0.170]
## ================================================================================
## Point 53 of 336
## Minimum treated distance is  0.5838316
## There are 59 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  0.6902158
## There are 54 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
```

```
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            301         520
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 54.596      54.596
## BW bias (b)                 93.914      93.914
## rho (h/b)                    0.581       0.581
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            301         520
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 54.596      54.596
## BW bias (b)                 93.914      93.914
## rho (h/b)                    0.581       0.581
## Unique Obs.                   2357        2951
##
## =============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## =============================================================================
##   Conventional    -0.045     0.107    -0.422     0.673    [-0.254 , 0.164]
##         Robust         -         -    -0.410     0.681    [-0.309 , 0.202]
## =============================================================================
## Point 54 of 336
## Minimum treated distance is  1.870872
## There are 66 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.6751
## There are 44 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            329         681
## Order est. (p)                   1           1
```

```
## Order bias  (q)                 2          2
## BW est. (h)                59.560     59.560
## BW bias (b)               105.170    105.170
## rho (h/b)                   0.566      0.566
## Unique Obs.                  2357       2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671       3522
## Eff. Number of Obs.            329        681
## Order est. (p)                   1          1
## Order bias  (q)                  2          2
## BW est. (h)                59.560     59.560
## BW bias (b)               105.170    105.170
## rho (h/b)                   0.566      0.566
## Unique Obs.                  2357       2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.023     0.107     0.218     0.827    [-0.187 , 0.234]
##         Robust         -         -     0.301     0.763    [-0.219 , 0.298]
## ===============================================================================
## Point 55 of 336
## Minimum treated distance is  1.581702
## There are 63 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.555321
## There are 50 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671       3522
## Eff. Number of Obs.            355        718
## Order est. (p)                   1          1
## Order bias  (q)                  2          2
## BW est. (h)                61.786     61.786
## BW bias (b)               106.129    106.129
## rho (h/b)                   0.582      0.582
## Unique Obs.                  2357       2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
```

```
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            355         718
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 61.786      61.786
## BW bias (b)                106.129     106.129
## rho (h/b)                    0.582       0.582
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.015     0.104     0.142     0.887    [-0.189 , 0.219]
##         Robust         -         -     0.224     0.823    [-0.224 , 0.281]
## ===============================================================================
## Point 56 of 336
## Minimum treated distance is  1.636951
## There are 59 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.627658
## There are 53 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            375         716
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 62.092      62.092
## BW bias (b)                106.247     106.247
## rho (h/b)                    0.584       0.584
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            375         716
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 62.092      62.092
## BW bias (b)                106.247     106.247
## rho (h/b)                    0.584       0.584
```

```
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.010     0.104     0.095     0.924    [-0.194 , 0.214]
##         Robust         -         -     0.186     0.853    [-0.228 , 0.276]
## ===============================================================================
## Point 57 of 336
## Minimum treated distance is  1.463738
## There are 59 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.126525
## There are 56 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            415         819
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 65.917      65.917
## BW bias (b)                112.643     112.643
## rho (h/b)                    0.585       0.585
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            415         819
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 65.917      65.917
## BW bias (b)                112.643     112.643
## rho (h/b)                    0.585       0.585
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.014     0.096     0.146     0.884    [-0.174 , 0.202]
##         Robust         -         -     0.255     0.799    [-0.202 , 0.263]
## ===============================================================================
## Point 58 of 336
## Minimum treated distance is  1.756946
```

```
## There are 64 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.928363
## There are 51 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            521        1032
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 74.194      74.194
## BW bias (b)                126.270     126.270
## rho (h/b)                    0.588       0.588
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            521        1032
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 74.194      74.194
## BW bias (b)                126.270     126.270
## rho (h/b)                    0.588       0.588
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.003     0.078     0.035     0.972    [-0.150 , 0.155]
##         Robust         -         -     0.115     0.908    [-0.181 , 0.203]
## ===============================================================================
## Point 59 of 336
## Minimum treated distance is  1.480049
## There are 72 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.82925
## There are 48 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
```

```
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             616        1261
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  81.186      81.186
## BW bias (b)                 136.504     136.504
## rho (h/b)                     0.595       0.595
## Unique Obs.                    2357        2951
##
## Call: rdrobust
##
## Number of Obs.                  6193
## BW type                        mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             616        1261
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  81.186      81.186
## BW bias (b)                 136.504     136.504
## rho (h/b)                     0.595       0.595
## Unique Obs.                    2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.006     0.075    -0.085     0.932    [-0.153 , 0.140]
##         Robust         -         -     0.013     0.989    [-0.185 , 0.188]
## ===============================================================================
## Point 60 of 336
## Minimum treated distance is  0.8028596
## There are 75 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.949775
## There are 47 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                  6193
## BW type                        mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             560        1157
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  77.263      77.263
## BW bias (b)                 131.083     131.083
## rho (h/b)                     0.589       0.589
## Unique Obs.                    2357        2951
##
```

```
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            560        1157
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 77.263      77.263
## BW bias (b)                131.083     131.083
## rho (h/b)                    0.589       0.589
## Unique Obs.                  2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.002     0.079     0.020     0.984    [-0.154 , 0.157]
##         Robust         -         -     0.113     0.910    [-0.186 , 0.209]
## ===============================================================================
## Point 61 of 336
## Minimum treated distance is  2.556969
## There are 47 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.187738
## There are 69 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            479         789
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 66.641      66.641
## BW bias (b)                113.623     113.623
## rho (h/b)                    0.587       0.587
## Unique Obs.                  2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            479         789
## Order est. (p)                   1           1
```

```
## Order bias  (q)                 2          2
## BW est. (h)                66.641     66.641
## BW bias (b)               113.623    113.623
## rho (h/b)                   0.587      0.587
## Unique Obs.                  2357       2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.004     0.091    -0.047     0.962    [-0.182 , 0.174]
##         Robust         -         -     0.075     0.940    [-0.214 , 0.231]
## ===============================================================================
## Point 62 of 336
## Minimum treated distance is  1.930668
## There are 54 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.733897
## There are 64 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2671       3522
## Eff. Number of Obs.           575       1001
## Order est. (p)                  1          1
## Order bias  (q)                 2          2
## BW est. (h)                74.883     74.883
## BW bias (b)               124.589    124.589
## rho (h/b)                   0.601      0.601
## Unique Obs.                  2357       2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2671       3522
## Eff. Number of Obs.           575       1001
## Order est. (p)                  1          1
## Order bias  (q)                 2          2
## BW est. (h)                74.883     74.883
## BW bias (b)               124.589    124.589
## rho (h/b)                   0.601      0.601
## Unique Obs.                  2357       2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.009     0.081    -0.106     0.916    [-0.167 , 0.150]
```

```
##         Robust         -         -    -0.014     0.989    [-0.203 , 0.200]
## ================================================================================
## Point 63 of 336
## Minimum treated distance is  2.544099
## There are 61 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.068141
## There are 60 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            657        1226
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 81.059      81.059
## BW bias (b)                135.797     135.797
## rho (h/b)                    0.597       0.597
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            657        1226
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 81.059      81.059
## BW bias (b)                135.797     135.797
## rho (h/b)                    0.597       0.597
## Unique Obs.                   2357        2951
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.013     0.071    -0.180     0.858    [-0.151 , 0.126]
##         Robust         -         -    -0.049     0.961    [-0.180 , 0.171]
## ================================================================================
## Point 64 of 336
## Minimum treated distance is  2.66439
## There are 47 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.592232
## There are 70 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
```

```
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            600         941
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 73.001      73.001
## BW bias (b)                123.517     123.517
## rho (h/b)                    0.591       0.591
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            600         941
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 73.001      73.001
## BW bias (b)                123.517     123.517
## rho (h/b)                    0.591       0.591
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.010     0.076    -0.135     0.893    [-0.160 , 0.139]
##         Robust         -         -    -0.008     0.994    [-0.188 , 0.187]
## ===============================================================================
## Point 65 of 336
## Minimum treated distance is  2.340637
## There are 52 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  0.8523695
## There are 68 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            499         838
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 67.601      67.601
```

```
## BW bias (b)                115.815     115.815
## rho (h/b)                    0.584       0.584
## Unique Obs.                 2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            499         838
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 67.601      67.601
## BW bias (b)                115.815     115.815
## rho (h/b)                    0.584       0.584
## Unique Obs.                 2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.003     0.085     0.038     0.970    [-0.164 , 0.170]
##         Robust         -         -     0.187     0.851    [-0.187 , 0.227]
## ===============================================================================
## Point 66 of 336
## Minimum treated distance is  1.586276
## There are 34 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  3.490485
## There are 81 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            466         654
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 62.833      62.833
## BW bias (b)                109.337     109.337
## rho (h/b)                    0.575       0.575
## Unique Obs.                 2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
```

```
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             466         654
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  62.833      62.833
## BW bias (b)                 109.337     109.337
## rho (h/b)                     0.575       0.575
## Unique Obs.                    2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.018     0.090    -0.201     0.841    [-0.195 , 0.159]
##         Robust         -         -    -0.052     0.959    [-0.225 , 0.213]
## ===============================================================================
## Point 67 of 336
## Minimum treated distance is  2.469842
## There are 40 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.00506
## There are 71 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             467         717
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  64.639      64.639
## BW bias (b)                 110.691     110.691
## rho (h/b)                     0.584       0.584
## Unique Obs.                    2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             467         717
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  64.639      64.639
## BW bias (b)                 110.691     110.691
## rho (h/b)                     0.584       0.584
## Unique Obs.                    2357        2951
##
```

```
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.010     0.094    -0.107     0.915    [-0.193 , 0.173]
##         Robust         -         -     0.023     0.982    [-0.225 , 0.231]
## ================================================================================
## Point 68 of 336
## Minimum treated distance is  2.518102
## There are 34 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.461478
## There are 83 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            595         836
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 70.961      70.961
## BW bias (b)                119.528     119.528
## rho (h/b)                    0.594       0.594
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            595         836
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 70.961      70.961
## BW bias (b)                119.528     119.528
## rho (h/b)                    0.594       0.594
## Unique Obs.                   2357        2951
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.019     0.084    -0.231     0.817    [-0.184 , 0.145]
##         Robust         -         -    -0.131     0.896    [-0.222 , 0.194]
## ================================================================================
## Point 69 of 336
## Minimum treated distance is  1.936662
## There are 39 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.085161
```

```
## There are 79 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            708        1042
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 78.023      78.023
## BW bias (b)                130.163     130.163
## rho (h/b)                    0.599       0.599
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            708        1042
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 78.023      78.023
## BW bias (b)                130.163     130.163
## rho (h/b)                    0.599       0.599
## Unique Obs.                   2357        2951
##
## ============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ============================================================================
##   Conventional    -0.026     0.076    -0.340     0.734    [-0.174 , 0.122]
##         Robust         -         -    -0.189     0.850    [-0.207 , 0.171]
## ============================================================================
## Point 70 of 336
## Minimum treated distance is  0.6902216
## There are 77 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.663179
## There are 43 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
```

```
## Eff. Number of Obs.            319         679
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 57.265      57.265
## BW bias (b)                109.291     109.291
## rho (h/b)                    0.524       0.524
## Unique Obs.                 2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            319         679
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 57.265      57.265
## BW bias (b)                109.291     109.291
## rho (h/b)                    0.524       0.524
## Unique Obs.                 2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.085     0.100     0.842     0.400    [-0.112 , 0.281]
##         Robust         -         -     0.960     0.337    [-0.119 , 0.348]
## ===============================================================================
## Point 71 of 336
## Minimum treated distance is  2.77935
## There are 69 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.599404
## There are 53 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            383         779
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 62.526      62.526
## BW bias (b)                112.305     112.305
## rho (h/b)                    0.557       0.557
## Unique Obs.                 2357        2951
##
## Call: rdrobust
##
```

```
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            383         779
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 62.526      62.526
## BW bias (b)                112.305     112.305
## rho (h/b)                    0.557       0.557
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.052     0.100     0.523     0.601    [-0.143 , 0.248]
##         Robust         -         -     0.648     0.517    [-0.159 , 0.316]
## ===============================================================================
## Point 72 of 336
## Minimum treated distance is  3.06155
## There are 53 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  0.8334196
## There are 63 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            353         564
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 55.625      55.625
## BW bias (b)                101.898     101.898
## rho (h/b)                    0.546       0.546
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            353         564
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 55.625      55.625
```

```
## BW bias (b)                101.898     101.898
## rho (h/b)                    0.546       0.546
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.063     0.104     0.604     0.546    [-0.141 , 0.267]
##         Robust         -         -     0.743     0.458    [-0.151 , 0.334]
## ===============================================================================
## Point 73 of 336
## Minimum treated distance is  2.260877
## There are 45 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.030522
## There are 70 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            523         808
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 67.219      67.219
## BW bias (b)                114.137     114.137
## rho (h/b)                    0.589       0.589
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            523         808
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 67.219      67.219
## BW bias (b)                114.137     114.137
## rho (h/b)                    0.589       0.589
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.003     0.088    -0.033     0.974    [-0.175 , 0.169]
##         Robust         -         -     0.111     0.912    [-0.203 , 0.227]
## ===============================================================================
```

```
## Point 74 of 336
## Minimum treated distance is  2.187382
## There are 49 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  0.7912392
## There are 65 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            394         626
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 58.498      58.498
## BW bias (b)                104.726     104.726
## rho (h/b)                    0.559       0.559
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            394         626
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 58.498      58.498
## BW bias (b)                104.726     104.726
## rho (h/b)                    0.559       0.559
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.043     0.101     0.428     0.669    [-0.154 , 0.240]
##         Robust         -         -     0.566     0.571    [-0.169 , 0.306]
## ===============================================================================
## Point 75 of 336
## Minimum treated distance is  2.009202
## There are 45 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.17903
## There are 71 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
```

```
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            441         619
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 59.982      59.982
## BW bias (b)                105.239     105.239
## rho (h/b)                    0.570       0.570
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            441         619
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 59.982      59.982
## BW bias (b)                105.239     105.239
## rho (h/b)                    0.570       0.570
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.018     0.095     0.194     0.846    [-0.167 , 0.204]
##         Robust         -         -     0.339     0.735    [-0.187 , 0.265]
## ===============================================================================
## Point 76 of 336
## Minimum treated distance is  1.698464
## There are 51 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.423429
## There are 69 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            332         464
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 50.683      50.683
## BW bias (b)                 94.588      94.588
## rho (h/b)                    0.536       0.536
```

```
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            332         464
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 50.683      50.683
## BW bias (b)                 94.588      94.588
## rho (h/b)                    0.536       0.536
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.073     0.115     0.634     0.526    [-0.153 , 0.299]
##         Robust         -         -     0.769     0.442    [-0.163 , 0.373]
## ===============================================================================
## Point 77 of 336
## Minimum treated distance is  2.943335
## There are 63 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.409228
## There are 65 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            244         331
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 42.889      42.889
## BW bias (b)                 85.368      85.368
## rho (h/b)                    0.502       0.502
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
```

```
## Eff. Number of Obs.            244         331
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 42.889      42.889
## BW bias (b)                 85.368      85.368
## rho (h/b)                    0.502       0.502
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.131     0.126     1.038     0.299    [-0.116 , 0.378]
##         Robust         -         -     1.175     0.240    [-0.113 , 0.453]
## ===============================================================================
## Point 78 of 336
## Minimum treated distance is  1.290995
## There are 69 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.277474
## There are 61 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            194         284
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 39.167      39.167
## BW bias (b)                 80.737      80.737
## rho (h/b)                    0.485       0.485
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            194         284
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 39.167      39.167
## BW bias (b)                 80.737      80.737
## rho (h/b)                    0.485       0.485
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
```

```
## ================================================================================
##   Conventional     0.190     0.136     1.400     0.162    [-0.076 , 0.456]
##         Robust         -         -     1.510     0.131    [-0.069 , 0.530]
## ================================================================================
## Point 79 of 336
## Minimum treated distance is  1.523735
## There are 79 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.909958
## There are 52 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            147         233
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 34.456      34.456
## BW bias (b)                 75.312      75.312
## rho (h/b)                    0.458       0.458
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            147         233
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 34.456      34.456
## BW bias (b)                 75.312      75.312
## rho (h/b)                    0.458       0.458
## Unique Obs.                   2357        2951
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional     0.243     0.151     1.609     0.108    [-0.053 , 0.539]
##         Robust         -         -     1.734     0.083    [-0.038 , 0.616]
## ================================================================================
## Point 80 of 336
## Minimum treated distance is  3.140224
## There are 80 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.195721
## There are 55 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
```

```
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            142         219
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 33.605      33.605
## BW bias (b)                 72.547      72.547
## rho (h/b)                    0.463       0.463
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            142         219
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 33.605      33.605
## BW bias (b)                 72.547      72.547
## rho (h/b)                    0.463       0.463
## Unique Obs.                   2357        2951
##
## =============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## =============================================================================
##   Conventional     0.245     0.150     1.635     0.102    [-0.049 , 0.538]
##         Robust         -         -     1.756     0.079    [-0.034 , 0.617]
## =============================================================================
## Point 81 of 336
## Minimum treated distance is  3.860723
## There are 82 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.317816
## There are 60 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            189         263
## Order est. (p)                   1           1
```

```
## Order bias  (q)                 2          2
## BW est. (h)                37.674     37.674
## BW bias (b)                77.245     77.245
## rho (h/b)                   0.488      0.488
## Unique Obs.                 2357       2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671       3522
## Eff. Number of Obs.            189        263
## Order est. (p)                   1          1
## Order bias  (q)                  2          2
## BW est. (h)                37.674     37.674
## BW bias (b)                77.245     77.245
## rho (h/b)                   0.488      0.488
## Unique Obs.                 2357       2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.156     0.145     1.076     0.282    [-0.128 , 0.440]
##         Robust         -         -     1.230     0.219    [-0.119 , 0.520]
## ===============================================================================
## Point 82 of 336
## Minimum treated distance is  1.842729
## There are 93 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  0.2234111
## There are 47 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671       3522
## Eff. Number of Obs.            138        245
## Order est. (p)                   1          1
## Order bias  (q)                  2          2
## BW est. (h)                33.962     33.962
## BW bias (b)                70.969     70.969
## rho (h/b)                   0.479      0.479
## Unique Obs.                 2357       2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
```

```
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            138         245
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 33.962      33.962
## BW bias (b)                 70.969      70.969
## rho (h/b)                    0.479       0.479
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.232     0.156     1.489     0.137    [-0.073 , 0.537]
##         Robust         -         -     1.615     0.106    [-0.060 , 0.622]
## ===============================================================================
## Point 83 of 336
## Minimum treated distance is  2.636093
## There are 83 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  0.6286274
## There are 57 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            189         280
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 38.370      38.370
## BW bias (b)                 77.474      77.474
## rho (h/b)                    0.495       0.495
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            189         280
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 38.370      38.370
## BW bias (b)                 77.474      77.474
## rho (h/b)                    0.495       0.495
```

```
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.148     0.147     1.007     0.314    [-0.140 , 0.435]
##         Robust         -         -     1.164     0.244    [-0.132 , 0.516]
## ===============================================================================
## Point 84 of 336
## Minimum treated distance is  1.506295
## There are 92 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  0.8945713
## There are 51 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            176         285
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 37.541      37.541
## BW bias (b)                 76.144      76.144
## rho (h/b)                    0.493       0.493
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            176         285
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 37.541      37.541
## BW bias (b)                 76.144      76.144
## rho (h/b)                    0.493       0.493
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.159     0.149     1.068     0.286    [-0.133 , 0.452]
##         Robust         -         -     1.214     0.225    [-0.126 , 0.534]
## ===============================================================================
## Point 85 of 336
## Minimum treated distance is  1.291368
```

```
## There are 86 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.024092
## There are 55 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            185         291
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 38.460      38.460
## BW bias (b)                 78.291      78.291
## rho (h/b)                    0.491       0.491
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            185         291
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 38.460      38.460
## BW bias (b)                 78.291      78.291
## rho (h/b)                    0.491       0.491
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.135     0.139     0.969     0.333    [-0.138 , 0.407]
##         Robust         -         -     1.124     0.261    [-0.131 , 0.484]
## ===============================================================================
## Point 86 of 336
## Minimum treated distance is  1.663425
## There are 84 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.141593
## There are 61 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
```

```
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             206         321
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  40.249      40.249
## BW bias (b)                  80.216      80.216
## rho (h/b)                     0.502       0.502
## Unique Obs.                    2357        2951
##
## Call: rdrobust
##
## Number of Obs.                  6193
## BW type                        mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             206         321
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  40.249      40.249
## BW bias (b)                  80.216      80.216
## rho (h/b)                     0.502       0.502
## Unique Obs.                    2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.109     0.134     0.812     0.417    [-0.154 , 0.371]
##         Robust         -         -     0.978     0.328    [-0.149 , 0.447]
## ===============================================================================
## Point 87 of 336
## Minimum treated distance is  2.134858
## There are 81 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.608661
## There are 63 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                  6193
## BW type                        mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             211         327
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  40.896      40.896
## BW bias (b)                  81.054      81.054
## rho (h/b)                     0.505       0.505
## Unique Obs.                    2357        2951
##
```

```
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            211         327
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 40.896      40.896
## BW bias (b)                 81.054      81.054
## rho (h/b)                    0.505       0.505
## Unique Obs.                  2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.091     0.126     0.717     0.473    [-0.157 , 0.338]
##         Robust         -         -     0.895     0.371    [-0.153 , 0.411]
## ===============================================================================
## Point 88 of 336
## Minimum treated distance is  1.874868
## There are 83 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.511375
## There are 63 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            243         369
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 43.283      43.283
## BW bias (b)                 83.097      83.097
## rho (h/b)                    0.521       0.521
## Unique Obs.                  2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            243         369
## Order est. (p)                   1           1
```

```
## Order bias  (q)                 2          2
## BW est. (h)                43.283     43.283
## BW bias (b)                83.097     83.097
## rho (h/b)                   0.521      0.521
## Unique Obs.                  2357       2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.065     0.120     0.541     0.588    [-0.170 , 0.300]
##         Robust         -         -     0.736     0.462    [-0.169 , 0.372]
## ===============================================================================
## Point 89 of 336
## Minimum treated distance is  1.245967
## There are 80 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.191989
## There are 66 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2671       3522
## Eff. Number of Obs.           262        394
## Order est. (p)                  1          1
## Order bias  (q)                 2          2
## BW est. (h)                44.710     44.710
## BW bias (b)                85.227     85.227
## rho (h/b)                   0.525      0.525
## Unique Obs.                  2357       2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2671       3522
## Eff. Number of Obs.           262        394
## Order est. (p)                  1          1
## Order bias  (q)                 2          2
## BW est. (h)                44.710     44.710
## BW bias (b)                85.227     85.227
## rho (h/b)                   0.525      0.525
## Unique Obs.                  2357       2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.037     0.113     0.326     0.744    [-0.185 , 0.258]
```

```
##         Robust         -         -     0.534     0.593    [-0.187 , 0.327]
## ================================================================================
## Point 90 of 336
## Minimum treated distance is  1.199866
## There are 80 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.850917
## There are 70 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            291         422
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 47.111      47.111
## BW bias (b)                 87.080      87.080
## rho (h/b)                    0.541       0.541
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            291         422
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 47.111      47.111
## BW bias (b)                 87.080      87.080
## rho (h/b)                    0.541       0.541
## Unique Obs.                   2357        2951
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional     0.010     0.114     0.086     0.932    [-0.214 , 0.234]
##         Robust         -         -     0.300     0.764    [-0.223 , 0.304]
## ================================================================================
## Point 91 of 336
## Minimum treated distance is  1.917686
## There are 76 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.726832
## There are 71 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
```

```
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            300         430
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 47.855      47.855
## BW bias (b)                 87.524      87.524
## rho (h/b)                    0.547       0.547
## Unique Obs.                  2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            300         430
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 47.855      47.855
## BW bias (b)                 87.524      87.524
## rho (h/b)                    0.547       0.547
## Unique Obs.                  2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.004     0.110    -0.039     0.969    [-0.220 , 0.212]
##         Robust         -         -     0.186     0.853    [-0.231 , 0.279]
## ===============================================================================
## Point 92 of 336
## Minimum treated distance is  1.674387
## There are 69 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.348232
## There are 74 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            369         529
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 52.524      52.524
```

```
## BW bias (b)                 90.979      90.979
## rho (h/b)                    0.577       0.577
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            369         529
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 52.524      52.524
## BW bias (b)                 90.979      90.979
## rho (h/b)                    0.577       0.577
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.050     0.100    -0.503     0.615    [-0.245 , 0.145]
##         Robust         -         -    -0.252     0.801    [-0.266 , 0.206]
## ===============================================================================
## Point 93 of 336
## Minimum treated distance is  1.656769
## There are 70 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.18414
## There are 72 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            320         452
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.056      49.056
## BW bias (b)                 88.060      88.060
## rho (h/b)                    0.557       0.557
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
```

```
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             320         452
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  49.056      49.056
## BW bias (b)                  88.060      88.060
## rho (h/b)                     0.557       0.557
## Unique Obs.                    2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.024     0.106    -0.227     0.821    [-0.232 , 0.184]
##         Robust         -         -     0.013     0.990    [-0.245 , 0.248]
## ===============================================================================
## Point 94 of 336
## Minimum treated distance is  1.724854
## There are 69 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.505194
## There are 72 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             379         551
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  53.280      53.280
## BW bias (b)                  91.217      91.217
## rho (h/b)                     0.584       0.584
## Unique Obs.                    2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             379         551
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  53.280      53.280
## BW bias (b)                  91.217      91.217
## rho (h/b)                     0.584       0.584
## Unique Obs.                    2357        2951
##
```

```
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.056     0.097    -0.579     0.562    [-0.247 , 0.134]
##         Robust         -         -    -0.319     0.750    [-0.269 , 0.194]
## ================================================================================
## Point 95 of 336
## Minimum treated distance is  2.045831
## There are 73 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.9436
## There are 71 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            429         626
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 56.159      56.159
## BW bias (b)                 94.689      94.689
## rho (h/b)                    0.593       0.593
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            429         626
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 56.159      56.159
## BW bias (b)                 94.689      94.689
## rho (h/b)                    0.593       0.593
## Unique Obs.                   2357        2951
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.071     0.089    -0.800     0.423    [-0.244 , 0.103]
##         Robust         -         -    -0.546     0.585    [-0.273 , 0.154]
## ================================================================================
## Point 96 of 336
## Minimum treated distance is  2.857953
## There are 76 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.909591
```

```
## There are 67 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            573         882
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 64.965      64.965
## BW bias (b)                106.262     106.262
## rho (h/b)                    0.611       0.611
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            573         882
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 64.965      64.965
## BW bias (b)                106.262     106.262
## rho (h/b)                    0.611       0.611
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.084     0.085    -0.992     0.321    [-0.250 , 0.082]
##         Robust         -         -    -0.777     0.437    [-0.293 , 0.127]
## ===============================================================================
## Point 97 of 336
## Minimum treated distance is  1.769794
## There are 75 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.026257
## There are 67 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
```

```
## Eff. Number of Obs.            701        1127
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 72.952      72.952
## BW bias (b)                117.956     117.956
## rho (h/b)                    0.618       0.618
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            701        1127
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 72.952      72.952
## BW bias (b)                117.956     117.956
## rho (h/b)                    0.618       0.618
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.103     0.076    -1.347     0.178    [-0.252 , 0.047]
##         Robust         -         -    -1.070     0.285    [-0.295 , 0.087]
## ===============================================================================
## Point 98 of 336
## Minimum treated distance is  2.169916
## There are 78 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.278304
## There are 67 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            671        1079
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 71.346      71.346
## BW bias (b)                116.180     116.180
## rho (h/b)                    0.614       0.614
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
```

```
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            671        1079
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 71.346      71.346
## BW bias (b)                116.180     116.180
## rho (h/b)                    0.614       0.614
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.109     0.074    -1.480     0.139    [-0.254 , 0.035]
##         Robust         -         -    -1.208     0.227    [-0.295 , 0.070]
## ===============================================================================
## Point 99 of 336
## Minimum treated distance is  1.959581
## There are 77 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.735165
## There are 65 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            605         972
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 67.041      67.041
## BW bias (b)                109.498     109.498
## rho (h/b)                    0.612       0.612
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            605         972
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 67.041      67.041
```

```
## BW bias (b)                109.498     109.498
## rho (h/b)                    0.612       0.612
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.115     0.080    -1.426     0.154    [-0.272 , 0.043]
##         Robust         -         -    -1.194     0.233    [-0.319 , 0.078]
## ===============================================================================
## Point 100 of 336
## Minimum treated distance is  1.489293
## There are 86 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.133023
## There are 64 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            431         699
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 56.674      56.674
## BW bias (b)                 96.685      96.685
## rho (h/b)                    0.586       0.586
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            431         699
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 56.674      56.674
## BW bias (b)                 96.685      96.685
## rho (h/b)                    0.586       0.586
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.163     0.092    -1.777     0.076    [-0.344 , 0.017]
##         Robust         -         -    -1.545     0.122    [-0.399 , 0.047]
## ===============================================================================
```

```
## Point 101 of 336
## Minimum treated distance is  1.778367
## There are 87 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.206527
## There are 64 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            437         697
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 56.796      56.796
## BW bias (b)                 96.703      96.703
## rho (h/b)                    0.587       0.587
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            437         697
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 56.796      56.796
## BW bias (b)                 96.703      96.703
## rho (h/b)                    0.587       0.587
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.166     0.096    -1.731     0.083    [-0.353 , 0.022]
##         Robust         -         -    -1.501     0.133    [-0.411 , 0.055]
## ===============================================================================
## Point 102 of 336
## Minimum treated distance is  1.114153
## There are 83 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.662891
## There are 64 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
```

```
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            514         843
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 61.909      61.909
## BW bias (b)                103.852     103.852
## rho (h/b)                    0.596       0.596
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            514         843
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 61.909      61.909
## BW bias (b)                103.852     103.852
## rho (h/b)                    0.596       0.596
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.140     0.085    -1.639     0.101    [-0.307 , 0.027]
##         Robust         -         -    -1.421     0.155    [-0.360 , 0.057]
## ===============================================================================
## Point 103 of 336
## Minimum treated distance is  1.192652
## There are 90 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.81433
## There are 62 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            347         584
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 51.042      51.042
## BW bias (b)                 89.535      89.535
## rho (h/b)                    0.570       0.570
```

```
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            347         584
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 51.042      51.042
## BW bias (b)                 89.535      89.535
## rho (h/b)                    0.570       0.570
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.193     0.097    -1.979     0.048    [-0.384 , -0.002]
##         Robust         -         -    -1.751     0.080    [-0.442 , 0.025]
## ===============================================================================
## Point 104 of 336
## Minimum treated distance is  1.457342
## There are 100 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.166517
## There are 55 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            325         569
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.495      49.495
## BW bias (b)                 87.419      87.419
## rho (h/b)                    0.566       0.566
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                2671        3522
```

```
## Eff. Number of Obs.            325         569
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.495      49.495
## BW bias (b)                 87.419      87.419
## rho (h/b)                    0.566       0.566
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.215     0.115    -1.876     0.061    [-0.441 , 0.010]
##         Robust         -         -    -1.700     0.089    [-0.512 , 0.036]
## ===============================================================================
## Point 105 of 336
## Minimum treated distance is  1.219917
## There are 104 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.496258
## There are 55 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            289         510
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 46.642      46.642
## BW bias (b)                 85.241      85.241
## rho (h/b)                    0.547       0.547
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            289         510
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 46.642      46.642
## BW bias (b)                 85.241      85.241
## rho (h/b)                    0.547       0.547
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
```

```
## ================================================================================
##   Conventional    -0.239     0.108    -2.217     0.027    [-0.449 , -0.028]
##         Robust         -         -    -2.052     0.040    [-0.515 , -0.012]
## ================================================================================
## Point 106 of 336
## Minimum treated distance is  1.225949
## There are 107 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.650184
## There are 52 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            271         495
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.614      45.614
## BW bias (b)                 85.236      85.236
## rho (h/b)                    0.535       0.535
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            271         495
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.614      45.614
## BW bias (b)                 85.236      85.236
## rho (h/b)                    0.535       0.535
## Unique Obs.                   2357        2951
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.247     0.098    -2.524     0.012    [-0.439 , -0.055]
##         Robust         -         -    -2.345     0.019    [-0.499 , -0.045]
## ================================================================================
## Point 107 of 336
## Minimum treated distance is  1.330065
## There are 111 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.705531
## There are 49 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
```

```
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            320         575
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 48.729      48.729
## BW bias (b)                 89.248      89.248
## rho (h/b)                    0.546       0.546
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            320         575
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 48.729      48.729
## BW bias (b)                 89.248      89.248
## rho (h/b)                    0.546       0.546
## Unique Obs.                   2357        2951
##
## =============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## =============================================================================
##   Conventional    -0.245     0.102    -2.394     0.017    [-0.446 , -0.044]
##         Robust         -         -    -2.173     0.030    [-0.510 , -0.026]
## =============================================================================
## Point 108 of 336
## Minimum treated distance is  2.183516
## There are 114 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.609531
## There are 46 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            338         597
## Order est. (p)                   1           1
```

```
## Order bias  (q)                 2          2
## BW est. (h)                49.555     49.555
## BW bias (b)                90.356     90.356
## rho (h/b)                   0.548      0.548
## Unique Obs.                 2357       2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671       3522
## Eff. Number of Obs.            338        597
## Order est. (p)                   1          1
## Order bias  (q)                  2          2
## BW est. (h)                49.555     49.555
## BW bias (b)                90.356     90.356
## rho (h/b)                   0.548      0.548
## Unique Obs.                 2357       2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.247     0.104    -2.373     0.018    [-0.451 , -0.043]
##         Robust         -         -    -2.148     0.032    [-0.518 , -0.024]
## ===============================================================================
## Point 109 of 336
## Minimum treated distance is  2.376989
## There are 114 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.171913
## There are 46 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671       3522
## Eff. Number of Obs.            382        676
## Order est. (p)                   1          1
## Order bias  (q)                  2          2
## BW est. (h)                52.563     52.563
## BW bias (b)                94.253     94.253
## rho (h/b)                   0.558      0.558
## Unique Obs.                 2357       2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
```

```
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            382         676
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 52.563      52.563
## BW bias (b)                 94.253      94.253
## rho (h/b)                    0.558       0.558
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.237     0.101    -2.362     0.018    [-0.434 , -0.040]
##         Robust         -         -    -2.092     0.036    [-0.499 , -0.016]
## ===============================================================================
## Point 110 of 336
## Minimum treated distance is  2.124628
## There are 115 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.52448
## There are 46 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            438         792
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 56.416      56.416
## BW bias (b)                 99.561      99.561
## rho (h/b)                    0.567       0.567
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            438         792
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 56.416      56.416
## BW bias (b)                 99.561      99.561
## rho (h/b)                    0.567       0.567
```

```
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.219     0.096    -2.277     0.023    [-0.407 , -0.030]
##         Robust         -         -    -1.936     0.053    [-0.466 , 0.003]
## ===============================================================================
## Point 111 of 336
## Minimum treated distance is  1.224202
## There are 103 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  3.364284
## There are 47 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            477         824
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 58.322      58.322
## BW bias (b)                102.250     102.250
## rho (h/b)                    0.570       0.570
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            477         824
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 58.322      58.322
## BW bias (b)                102.250     102.250
## rho (h/b)                    0.570       0.570
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.212     0.090    -2.361     0.018    [-0.387 , -0.036]
##         Robust         -         -    -1.966     0.049    [-0.441 , -0.001]
## ===============================================================================
## Point 112 of 336
## Minimum treated distance is  3.327672
```

```
## There are 94 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.181995
## There are 60 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            482         737
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 56.703      56.703
## BW bias (b)                 98.041      98.041
## rho (h/b)                    0.578       0.578
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            482         737
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 56.703      56.703
## BW bias (b)                 98.041      98.041
## rho (h/b)                    0.578       0.578
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.219     0.092    -2.364     0.018    [-0.400 , -0.037]
##         Robust         -         -    -2.006     0.045    [-0.457 , -0.005]
## ===============================================================================
## Point 113 of 336
## Minimum treated distance is  1.97682
## There are 79 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.288741
## There are 78 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
```

```
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             528         707
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  57.348      57.348
## BW bias (b)                  98.628      98.628
## rho (h/b)                     0.581       0.581
## Unique Obs.                    2357        2951
##
## Call: rdrobust
##
## Number of Obs.                  6193
## BW type                        mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             528         707
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  57.348      57.348
## BW bias (b)                  98.628      98.628
## rho (h/b)                     0.581       0.581
## Unique Obs.                    2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.211     0.081    -2.610     0.009    [-0.369 , -0.052]
##         Robust         -         -    -2.174     0.030    [-0.415 , -0.021]
## ===============================================================================
## Point 114 of 336
## Minimum treated distance is  4.089983
## There are 60 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.404438
## There are 89 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                  6193
## BW type                        mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             580         687
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  58.122      58.122
## BW bias (b)                  98.220      98.220
## rho (h/b)                     0.592       0.592
## Unique Obs.                    2357        2951
##
```

```
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            580         687
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 58.122      58.122
## BW bias (b)                 98.220      98.220
## rho (h/b)                    0.592       0.592
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.208     0.081    -2.573     0.010    [-0.366 , -0.050]
##         Robust         -         -    -2.118     0.034    [-0.411 , -0.016]
## ===============================================================================
## Point 115 of 336
## Minimum treated distance is  3.327009
## There are 57 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.618765
## There are 92 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            651         804
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 62.516      62.516
## BW bias (b)                104.282     104.282
## rho (h/b)                    0.599       0.599
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            651         804
## Order est. (p)                   1           1
```

```
## Order bias  (q)                 2          2
## BW est. (h)                62.516     62.516
## BW bias (b)               104.282    104.282
## rho (h/b)                   0.599      0.599
## Unique Obs.                  2357       2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.191     0.078    -2.448     0.014    [-0.344 , -0.038]
##         Robust         -         -    -1.935     0.053    [-0.383 , 0.002]
## ===============================================================================
## Point 116 of 336
## Minimum treated distance is  1.2626
## There are 55 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.845236
## There are 93 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2671       3522
## Eff. Number of Obs.           721        940
## Order est. (p)                  1          1
## Order bias  (q)                 2          2
## BW est. (h)                66.942     66.942
## BW bias (b)               114.399    114.399
## rho (h/b)                   0.585      0.585
## Unique Obs.                  2357       2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2671       3522
## Eff. Number of Obs.           721        940
## Order est. (p)                  1          1
## Order bias  (q)                 2          2
## BW est. (h)                66.942     66.942
## BW bias (b)               114.399    114.399
## rho (h/b)                   0.585      0.585
## Unique Obs.                  2357       2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.173     0.068    -2.564     0.010    [-0.306 , -0.041]
```

```
##         Robust         -         -    -1.942     0.052    [-0.330 , 0.001]
## ================================================================================
## Point 117 of 336
## Minimum treated distance is  1.791063
## There are 44 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.906275
## There are 92 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            773         996
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 69.472      69.472
## BW bias (b)                117.278     117.278
## rho (h/b)                    0.592       0.592
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            773         996
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 69.472      69.472
## BW bias (b)                117.278     117.278
## rho (h/b)                    0.592       0.592
## Unique Obs.                   2357        2951
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.168     0.069    -2.426     0.015    [-0.304 , -0.032]
##         Robust         -         -    -1.803     0.071    [-0.329 , 0.014]
## ================================================================================
## Point 118 of 336
## Minimum treated distance is  2.074337
## There are 43 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.590802
## There are 91 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
```

```
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            744         948
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 67.741      67.741
## BW bias (b)                114.525     114.525
## rho (h/b)                    0.591       0.591
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            744         948
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 67.741      67.741
## BW bias (b)                114.525     114.525
## rho (h/b)                    0.591       0.591
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.169     0.069    -2.435     0.015    [-0.304 , -0.033]
##         Robust         -         -    -1.806     0.071    [-0.328 , 0.013]
## ===============================================================================
## Point 119 of 336
## Minimum treated distance is  1.758221
## There are 50 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  0.6363405
## There are 94 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            745         999
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 68.572      68.572
```

```
## BW bias (b)                115.705     115.705
## rho (h/b)                    0.593       0.593
## Unique Obs.                 2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            745         999
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 68.572      68.572
## BW bias (b)                115.705     115.705
## rho (h/b)                    0.593       0.593
## Unique Obs.                 2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.165     0.067    -2.477     0.013    [-0.296 , -0.034]
##         Robust         -         -    -1.853     0.064    [-0.320 , 0.009]
## ===============================================================================
## Point 120 of 336
## Minimum treated distance is  1.684947
## There are 55 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.669672
## There are 89 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            762        1094
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 70.515      70.515
## BW bias (b)                118.235     118.235
## rho (h/b)                    0.596       0.596
## Unique Obs.                 2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
```

```
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             762        1094
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  70.515      70.515
## BW bias (b)                 118.235     118.235
## rho (h/b)                     0.596       0.596
## Unique Obs.                    2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.162     0.067    -2.412     0.016    [-0.294 , -0.030]
##         Robust         -         -    -1.818     0.069    [-0.321 , 0.012]
## ===============================================================================
## Point 121 of 336
## Minimum treated distance is  0.841716
## There are 53 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.595267
## There are 96 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             757        1040
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  69.446      69.446
## BW bias (b)                 116.472     116.472
## rho (h/b)                     0.596       0.596
## Unique Obs.                    2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             757        1040
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  69.446      69.446
## BW bias (b)                 116.472     116.472
## rho (h/b)                     0.596       0.596
## Unique Obs.                    2357        2951
##
```

```
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.164     0.067    -2.450     0.014    [-0.294 , -0.033]
##         Robust         -         -    -1.840     0.066    [-0.321 , 0.010]
## ================================================================================
## Point 122 of 336
## Minimum treated distance is  1.478022
## There are 58 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.259041
## There are 96 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            702         912
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 65.458      65.458
## BW bias (b)                109.983     109.983
## rho (h/b)                    0.595       0.595
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            702         912
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 65.458      65.458
## BW bias (b)                109.983     109.983
## rho (h/b)                    0.595       0.595
## Unique Obs.                   2357        2951
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.164     0.071    -2.293     0.022    [-0.304 , -0.024]
##         Robust         -         -    -1.715     0.086    [-0.330 , 0.022]
## ================================================================================
## Point 123 of 336
## Minimum treated distance is  1.753863
## There are 68 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.971666
```

```
## There are 94 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            707         969
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 66.626      66.626
## BW bias (b)                111.241     111.241
## rho (h/b)                    0.599       0.599
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            707         969
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 66.626      66.626
## BW bias (b)                111.241     111.241
## rho (h/b)                    0.599       0.599
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.162     0.072    -2.264     0.024    [-0.302 , -0.022]
##         Robust         -         -    -1.707     0.088    [-0.332 , 0.023]
## ===============================================================================
## Point 124 of 336
## Minimum treated distance is  2.073786
## There are 73 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.471653
## There are 91 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
```

```
## Eff. Number of Obs.            690         922
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 65.052      65.052
## BW bias (b)                109.012     109.012
## rho (h/b)                    0.597       0.597
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            690         922
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 65.052      65.052
## BW bias (b)                109.012     109.012
## rho (h/b)                    0.597       0.597
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.163     0.072    -2.264     0.024    [-0.304 , -0.022]
##         Robust         -         -    -1.720     0.085    [-0.333 , 0.022]
## ===============================================================================
## Point 125 of 336
## Minimum treated distance is  2.739369
## There are 77 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.18293
## There are 90 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            648         824
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 61.378      61.378
## BW bias (b)                104.024     104.024
## rho (h/b)                    0.590       0.590
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
```

```
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            648         824
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 61.378      61.378
## BW bias (b)                104.024     104.024
## rho (h/b)                    0.590       0.590
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.159     0.075    -2.114     0.035    [-0.307 , -0.012]
##         Robust         -         -    -1.587     0.112    [-0.334 , 0.035]
## ===============================================================================
## Point 126 of 336
## Minimum treated distance is  3.344138
## There are 79 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.563142
## There are 90 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            627         782
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 59.973      59.973
## BW bias (b)                102.213     102.213
## rho (h/b)                    0.587       0.587
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            627         782
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 59.973      59.973
```

```
## BW bias (b)                102.213     102.213
## rho (h/b)                    0.587       0.587
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.154     0.077    -2.002     0.045    [-0.306 , -0.003]
##         Robust         -         -    -1.493     0.135    [-0.332 , 0.045]
## ===============================================================================
## Point 127 of 336
## Minimum treated distance is  2.460341
## There are 87 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  0.7106625
## There are 85 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            646         892
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 62.575      62.575
## BW bias (b)                105.364     105.364
## rho (h/b)                    0.594       0.594
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            646         892
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 62.575      62.575
## BW bias (b)                105.364     105.364
## rho (h/b)                    0.594       0.594
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.156     0.074    -2.107     0.035    [-0.302 , -0.011]
##         Robust         -         -    -1.594     0.111    [-0.330 , 0.034]
## ===============================================================================
```

```
## Point 128 of 336
## Minimum treated distance is  2.207881
## There are 104 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.802196
## There are 70 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            517         744
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 56.106      56.106
## BW bias (b)                 98.103      98.103
## rho (h/b)                    0.572       0.572
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            517         744
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 56.106      56.106
## BW bias (b)                 98.103      98.103
## rho (h/b)                    0.572       0.572
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.130     0.081    -1.602     0.109    [-0.290 , 0.029]
##         Robust         -         -    -1.176     0.239    [-0.316 , 0.079]
## ===============================================================================
## Point 129 of 336
## Minimum treated distance is  1.869648
## There are 91 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  0.8158807
## There are 79 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
```

```
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            639         925
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 63.146      63.146
## BW bias (b)                106.096     106.096
## rho (h/b)                    0.595       0.595
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            639         925
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 63.146      63.146
## BW bias (b)                106.096     106.096
## rho (h/b)                    0.595       0.595
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.154     0.077    -1.988     0.047    [-0.305 , -0.002]
##         Robust         -         -    -1.508     0.132    [-0.337 , 0.044]
## ===============================================================================
## Point 130 of 336
## Minimum treated distance is  1.7243
## There are 98 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.504354
## There are 76 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            588         839
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 60.018      60.018
## BW bias (b)                103.168     103.168
## rho (h/b)                    0.582       0.582
```

```
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            588         839
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 60.018      60.018
## BW bias (b)                103.168     103.168
## rho (h/b)                    0.582       0.582
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.143     0.077    -1.848     0.065    [-0.294 , 0.009]
##         Robust         -         -    -1.392     0.164    [-0.323 , 0.055]
## ===============================================================================
## Point 131 of 336
## Minimum treated distance is  2.124436
## There are 106 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.00055
## There are 70 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            514         747
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 55.949      55.949
## BW bias (b)                 97.913      97.913
## rho (h/b)                    0.571       0.571
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
```

```
## Eff. Number of Obs.            514         747
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 55.949      55.949
## BW bias (b)                 97.913      97.913
## rho (h/b)                    0.571       0.571
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.128     0.085    -1.509     0.131    [-0.293 , 0.038]
##         Robust         -         -    -1.101     0.271    [-0.321 , 0.090]
## ===============================================================================
## Point 132 of 336
## Minimum treated distance is  1.211033
## There are 111 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.867166
## There are 69 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            468         662
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 52.590      52.590
## BW bias (b)                 94.027      94.027
## rho (h/b)                    0.559       0.559
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            468         662
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 52.590      52.590
## BW bias (b)                 94.027      94.027
## rho (h/b)                    0.559       0.559
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
```

```
## ================================================================================
##   Conventional    -0.118     0.086    -1.374     0.169    [-0.286 , 0.050]
##         Robust         -         -    -0.969     0.333    [-0.309 , 0.105]
## ================================================================================
## Point 133 of 336
## Minimum treated distance is  1.407378
## There are 115 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.261419
## There are 62 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            420         597
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.839      49.839
## BW bias (b)                 89.659      89.659
## rho (h/b)                    0.556       0.556
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            420         597
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.839      49.839
## BW bias (b)                 89.659      89.659
## rho (h/b)                    0.556       0.556
## Unique Obs.                   2357        2951
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.111     0.079    -1.393     0.164    [-0.266 , 0.045]
##         Robust         -         -    -0.970     0.332    [-0.283 , 0.095]
## ================================================================================
## Point 134 of 336
## Minimum treated distance is  1.770737
## There are 117 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.866632
## There are 60 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
```

```
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            420         626
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 50.385      50.385
## BW bias (b)                 90.349      90.349
## rho (h/b)                    0.558       0.558
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            420         626
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 50.385      50.385
## BW bias (b)                 90.349      90.349
## rho (h/b)                    0.558       0.558
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.104     0.083    -1.252     0.211    [-0.266 , 0.059]
##         Robust         -         -    -0.855     0.392    [-0.284 , 0.111]
## ===============================================================================
## Point 135 of 336
## Minimum treated distance is  0.9782197
## There are 120 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.779792
## There are 59 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            430         658
## Order est. (p)                   1           1
```

```
## Order bias  (q)                 2          2
## BW est. (h)                51.288     51.288
## BW bias (b)                91.204     91.204
## rho (h/b)                   0.562      0.562
## Unique Obs.                 2357       2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671       3522
## Eff. Number of Obs.            430        658
## Order est. (p)                   1          1
## Order bias  (q)                  2          2
## BW est. (h)                51.288     51.288
## BW bias (b)                91.204     91.204
## rho (h/b)                   0.562      0.562
## Unique Obs.                 2357       2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.102     0.090    -1.130     0.259    [-0.280 , 0.075]
##         Robust         -         -    -0.761     0.447    [-0.302 , 0.133]
## ===============================================================================
## Point 136 of 336
## Minimum treated distance is  2.043905
## There are 115 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.615885
## There are 62 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671       3522
## Eff. Number of Obs.            457        712
## Order est. (p)                   1          1
## Order bias  (q)                  2          2
## BW est. (h)                53.414     53.414
## BW bias (b)                92.718     92.718
## rho (h/b)                   0.576      0.576
## Unique Obs.                 2357       2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
```

```
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            457         712
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 53.414      53.414
## BW bias (b)                 92.718      92.718
## rho (h/b)                    0.576       0.576
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.110     0.092    -1.196     0.232    [-0.291 , 0.070]
##         Robust         -         -    -0.817     0.414    [-0.316 , 0.130]
## ===============================================================================
## Point 137 of 336
## Minimum treated distance is  1.586779
## There are 109 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.679166
## There are 68 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            490         777
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 55.766      55.766
## BW bias (b)                 95.128      95.128
## rho (h/b)                    0.586       0.586
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            490         777
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 55.766      55.766
## BW bias (b)                 95.128      95.128
## rho (h/b)                    0.586       0.586
```

```
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.121     0.086    -1.415     0.157    [-0.289 , 0.047]
##         Robust         -         -    -1.022     0.307    [-0.318 , 0.100]
## ===============================================================================
## Point 138 of 336
## Minimum treated distance is  2.063259
## There are 98 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  0.9268235
## There are 88 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            555         836
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 58.624      58.624
## BW bias (b)                 95.407      95.407
## rho (h/b)                    0.614       0.614
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            555         836
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 58.624      58.624
## BW bias (b)                 95.407      95.407
## rho (h/b)                    0.614       0.614
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.152     0.080    -1.908     0.056    [-0.308 , 0.004]
##         Robust         -         -    -1.461     0.144    [-0.342 , 0.050]
## ===============================================================================
## Point 139 of 336
## Minimum treated distance is  2.258141
```

```
## There are 103 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.210566
## There are 80 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            550         898
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 59.284      59.284
## BW bias (b)                 97.384      97.384
## rho (h/b)                    0.609       0.609
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            550         898
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 59.284      59.284
## BW bias (b)                 97.384      97.384
## rho (h/b)                    0.609       0.609
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.141     0.085    -1.653     0.098    [-0.309 , 0.026]
##         Robust         -         -    -1.234     0.217    [-0.345 , 0.078]
## ===============================================================================
## Point 140 of 336
## Minimum treated distance is  2.115468
## There are 100 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  0.7915653
## There are 87 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
```

```
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             566         883
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  59.611      59.611
## BW bias (b)                  96.740      96.740
## rho (h/b)                     0.616       0.616
## Unique Obs.                    2357        2951
##
## Call: rdrobust
##
## Number of Obs.                  6193
## BW type                        mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             566         883
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  59.611      59.611
## BW bias (b)                  96.740      96.740
## rho (h/b)                     0.616       0.616
## Unique Obs.                    2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.152     0.082    -1.848     0.065    [-0.313 , 0.009]
##         Robust         -         -    -1.414     0.157    [-0.349 , 0.057]
## ===============================================================================
## Point 141 of 336
## Minimum treated distance is  1.717236
## There are 90 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.665961
## There are 92 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                  6193
## BW type                        mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             545         792
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  57.274      57.274
## BW bias (b)                  93.839      93.839
## rho (h/b)                     0.610       0.610
## Unique Obs.                    2357        2951
##
```

```
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            545         792
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 57.274      57.274
## BW bias (b)                 93.839      93.839
## rho (h/b)                    0.610       0.610
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.153     0.078    -1.945     0.052    [-0.306 , 0.001]
##         Robust         -         -    -1.495     0.135    [-0.340 , 0.046]
## ===============================================================================
## Point 142 of 336
## Minimum treated distance is  1.58273
## There are 91 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.463815
## There are 93 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            556         832
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 58.170      58.170
## BW bias (b)                 95.102      95.102
## rho (h/b)                    0.612       0.612
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            556         832
## Order est. (p)                   1           1
```

```
## Order bias  (q)                 2          2
## BW est. (h)                58.170     58.170
## BW bias (b)                95.102     95.102
## rho (h/b)                   0.612      0.612
## Unique Obs.                 2357       2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.158     0.075    -2.096     0.036    [-0.305 , -0.010]
##         Robust         -         -    -1.642     0.101    [-0.339 , 0.030]
## ===============================================================================
## Point 143 of 336
## Minimum treated distance is  1.995003
## There are 89 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  0.9895149
## There are 94 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2671       3522
## Eff. Number of Obs.           562        842
## Order est. (p)                  1          1
## Order bias  (q)                 2          2
## BW est. (h)                58.736     58.736
## BW bias (b)                95.020     95.020
## rho (h/b)                   0.618      0.618
## Unique Obs.                 2357       2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2671       3522
## Eff. Number of Obs.           562        842
## Order est. (p)                  1          1
## Order bias  (q)                 2          2
## BW est. (h)                58.736     58.736
## BW bias (b)                95.020     95.020
## rho (h/b)                   0.618      0.618
## Unique Obs.                 2357       2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.161     0.079    -2.040     0.041    [-0.316 , -0.006]
```

```
##         Robust         -         -    -1.606     0.108    [-0.354 , 0.035]
## ================================================================================
## Point 144 of 336
## Minimum treated distance is  2.157319
## There are 62 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.714375
## There are 121 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            565         655
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 55.423      55.423
## BW bias (b)                 90.824      90.824
## rho (h/b)                    0.610       0.610
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            565         655
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 55.423      55.423
## BW bias (b)                 90.824      90.824
## rho (h/b)                    0.610       0.610
## Unique Obs.                   2357        2951
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.176     0.071    -2.466     0.014    [-0.316 , -0.036]
##         Robust         -         -    -1.933     0.053    [-0.343 , 0.002]
## ================================================================================
## Point 145 of 336
## Minimum treated distance is  0.3289795
## There are 59 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.220092
## There are 115 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
```

```
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            605         728
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 57.773      57.773
## BW bias (b)                 94.268      94.268
## rho (h/b)                    0.613       0.613
## Unique Obs.                  2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            605         728
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 57.773      57.773
## BW bias (b)                 94.268      94.268
## rho (h/b)                    0.613       0.613
## Unique Obs.                  2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.184     0.067    -2.726     0.006    [-0.316 , -0.052]
##         Robust         -         -    -2.225     0.026    [-0.350 , -0.022]
## ===============================================================================
## Point 146 of 336
## Minimum treated distance is  1.694099
## There are 63 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.443312
## There are 110 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            612         770
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 58.482      58.482
```

```
## BW bias (b)                 96.667      96.667
## rho (h/b)                    0.605       0.605
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            612         770
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 58.482      58.482
## BW bias (b)                 96.667      96.667
## rho (h/b)                    0.605       0.605
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.185     0.070    -2.661     0.008    [-0.322 , -0.049]
##         Robust         -         -    -2.226     0.026    [-0.361 , -0.023]
## ===============================================================================
## Point 147 of 336
## Minimum treated distance is  1.967691
## There are 64 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.744478
## There are 122 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            590         710
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 57.076      57.076
## BW bias (b)                 92.465      92.465
## rho (h/b)                    0.617       0.617
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
```

```
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             590         710
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  57.076      57.076
## BW bias (b)                  92.465      92.465
## rho (h/b)                     0.617       0.617
## Unique Obs.                    2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.176     0.072    -2.427     0.015    [-0.318 , -0.034]
##         Robust         -         -    -1.920     0.055    [-0.350 , 0.004]
## ===============================================================================
## Point 148 of 336
## Minimum treated distance is  1.609304
## There are 65 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.621445
## There are 112 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             593         755
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  57.870      57.870
## BW bias (b)                  93.297      93.297
## rho (h/b)                     0.620       0.620
## Unique Obs.                    2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             593         755
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  57.870      57.870
## BW bias (b)                  93.297      93.297
## rho (h/b)                     0.620       0.620
## Unique Obs.                    2357        2951
##
```

```
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.174     0.072    -2.405     0.016    [-0.316 , -0.032]
##         Robust         -         -    -1.913     0.056    [-0.350 , 0.004]
## ================================================================================
## Point 149 of 336
## Minimum treated distance is  1.56318
## There are 71 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.324837
## There are 110 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            593         799
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 58.510      58.510
## BW bias (b)                 93.742      93.742
## rho (h/b)                    0.624       0.624
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            593         799
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 58.510      58.510
## BW bias (b)                 93.742      93.742
## rho (h/b)                    0.624       0.624
## Unique Obs.                   2357        2951
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.174     0.072    -2.418     0.016    [-0.315 , -0.033]
##         Robust         -         -    -1.933     0.053    [-0.350 , 0.002]
## ================================================================================
## Point 150 of 336
## Minimum treated distance is  1.466864
## There are 63 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.627407
```

```
## There are 109 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            617         785
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 58.885      58.885
## BW bias (b)                 96.892      96.892
## rho (h/b)                    0.608       0.608
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            617         785
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 58.885      58.885
## BW bias (b)                 96.892      96.892
## rho (h/b)                    0.608       0.608
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.185     0.070    -2.623     0.009    [-0.323 , -0.047]
##         Robust         -         -    -2.191     0.028    [-0.364 , -0.020]
## ===============================================================================
## Point 151 of 336
## Minimum treated distance is  1.777515
## There are 73 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.440203
## There are 109 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
```

```
## Eff. Number of Obs.            606         832
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 59.354      59.354
## BW bias (b)                 95.129      95.129
## rho (h/b)                    0.624       0.624
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            606         832
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 59.354      59.354
## BW bias (b)                 95.129      95.129
## rho (h/b)                    0.624       0.624
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.173     0.072    -2.412     0.016    [-0.314 , -0.033]
##         Robust         -         -    -1.947     0.052    [-0.351 , 0.001]
## ===============================================================================
## Point 152 of 336
## Minimum treated distance is  1.277476
## There are 74 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.737941
## There are 102 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            591         822
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 58.927      58.927
## BW bias (b)                 95.138      95.138
## rho (h/b)                    0.619       0.619
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
```

```
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            591         822
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 58.927      58.927
## BW bias (b)                 95.138      95.138
## rho (h/b)                    0.619       0.619
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.172     0.071    -2.408     0.016    [-0.312 , -0.032]
##         Robust         -         -    -1.947     0.052    [-0.348 , 0.001]
## ===============================================================================
## Point 153 of 336
## Minimum treated distance is  1.976356
## There are 65 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.56731
## There are 111 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            608         784
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 58.558      58.558
## BW bias (b)                 97.136      97.136
## rho (h/b)                    0.603       0.603
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            608         784
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 58.558      58.558
```

```
## BW bias (b)                 97.136      97.136
## rho (h/b)                    0.603       0.603
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.186     0.071    -2.611     0.009    [-0.326 , -0.046]
##         Robust         -         -    -2.188     0.029    [-0.368 , -0.020]
## ===============================================================================
## Point 154 of 336
## Minimum treated distance is  2.491981
## There are 67 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.190668
## There are 104 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            609         803
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 58.983      58.983
## BW bias (b)                 99.248      99.248
## rho (h/b)                    0.594       0.594
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            609         803
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 58.983      58.983
## BW bias (b)                 99.248      99.248
## rho (h/b)                    0.594       0.594
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.186     0.073    -2.566     0.010    [-0.329 , -0.044]
##         Robust         -         -    -2.176     0.030    [-0.374 , -0.020]
## ===============================================================================
```

```
## Point 155 of 336
## Minimum treated distance is  2.446951
## There are 67 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.487476
## There are 102 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            594         790
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 58.295      58.295
## BW bias (b)                 98.361      98.361
## rho (h/b)                    0.593       0.593
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            594         790
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 58.295      58.295
## BW bias (b)                 98.361      98.361
## rho (h/b)                    0.593       0.593
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.185     0.071    -2.593     0.010    [-0.325 , -0.045]
##         Robust         -         -    -2.193     0.028    [-0.369 , -0.021]
## ===============================================================================
## Point 156 of 336
## Minimum treated distance is  1.493249
## There are 81 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.224183
## There are 98 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
```

```
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            558         815
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 57.955      57.955
## BW bias (b)                 94.853      94.853
## rho (h/b)                    0.611       0.611
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            558         815
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 57.955      57.955
## BW bias (b)                 94.853      94.853
## rho (h/b)                    0.611       0.611
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.164     0.072    -2.283     0.022    [-0.305 , -0.023]
##         Robust         -         -    -1.827     0.068    [-0.340 , 0.012]
## ===============================================================================
## Point 157 of 336
## Minimum treated distance is  3.182393
## There are 66 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  3.331605
## There are 101 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            585         804
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 58.312      58.312
## BW bias (b)                 99.135      99.135
## rho (h/b)                    0.588       0.588
```

```
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            585         804
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 58.312      58.312
## BW bias (b)                 99.135      99.135
## rho (h/b)                    0.588       0.588
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.186     0.073    -2.560     0.010    [-0.329 , -0.044]
##         Robust         -         -    -2.182     0.029    [-0.374 , -0.020]
## ===============================================================================
## Point 158 of 336
## Minimum treated distance is  2.515
## There are 72 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  3.363823
## There are 96 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            593         851
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 59.482      59.482
## BW bias (b)                101.141     101.141
## rho (h/b)                    0.588       0.588
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
```

```
## Eff. Number of Obs.            593         851
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 59.482      59.482
## BW bias (b)                101.141     101.141
## rho (h/b)                    0.588       0.588
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.183     0.074    -2.483     0.013    [-0.327 , -0.038]
##         Robust         -         -    -2.112     0.035    [-0.373 , -0.014]
## ===============================================================================
## Point 159 of 336
## Minimum treated distance is  1.005923
## There are 75 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.541763
## There are 101 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            585         837
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 58.920      58.920
## BW bias (b)                 95.114      95.114
## rho (h/b)                    0.619       0.619
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            585         837
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 58.920      58.920
## BW bias (b)                 95.114      95.114
## rho (h/b)                    0.619       0.619
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
```

```
## ================================================================================
##   Conventional    -0.170     0.071    -2.380     0.017    [-0.309 , -0.030]
##         Robust         -         -    -1.929     0.054    [-0.345 , 0.003]
## ================================================================================
## Point 160 of 336
## Minimum treated distance is  1.577647
## There are 75 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.465231
## There are 95 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            574         865
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 58.968      58.968
## BW bias (b)                 99.455      99.455
## rho (h/b)                    0.593       0.593
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            574         865
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 58.968      58.968
## BW bias (b)                 99.455      99.455
## rho (h/b)                    0.593       0.593
## Unique Obs.                   2357        2951
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.177     0.074    -2.408     0.016    [-0.321 , -0.033]
##         Robust         -         -    -2.035     0.042    [-0.365 , -0.007]
## ================================================================================
## Point 161 of 336
## Minimum treated distance is  1.251455
## There are 99 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.427078
## There are 78 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
```

```
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            596        1072
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 63.250      63.250
## BW bias (b)                109.410     109.410
## rho (h/b)                    0.578       0.578
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            596        1072
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 63.250      63.250
## BW bias (b)                109.410     109.410
## rho (h/b)                    0.578       0.578
## Unique Obs.                   2357        2951
##
## ============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ============================================================================
##   Conventional    -0.168     0.074    -2.289     0.022    [-0.313 , -0.024]
##         Robust         -         -    -1.940     0.052    [-0.360 , 0.002]
## ============================================================================
## Point 162 of 336
## Minimum treated distance is  1.292821
## There are 114 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  3.865596
## There are 65 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            578        1161
## Order est. (p)                   1           1
```

```
## Order bias  (q)                 2          2
## BW est. (h)                64.200     64.200
## BW bias (b)               112.495    112.495
## rho (h/b)                   0.571      0.571
## Unique Obs.                  2357       2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671       3522
## Eff. Number of Obs.            578       1161
## Order est. (p)                   1          1
## Order bias  (q)                  2          2
## BW est. (h)                64.200     64.200
## BW bias (b)               112.495    112.495
## rho (h/b)                   0.571      0.571
## Unique Obs.                  2357       2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.163     0.078    -2.085     0.037    [-0.316 , -0.010]
##         Robust         -         -    -1.774     0.076    [-0.368 , 0.018]
## ===============================================================================
## Point 163 of 336
## Minimum treated distance is  1.723485
## There are 111 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  3.76185
## There are 65 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671       3522
## Eff. Number of Obs.            590       1181
## Order est. (p)                   1          1
## Order bias  (q)                  2          2
## BW est. (h)                64.919     64.919
## BW bias (b)               113.692    113.692
## rho (h/b)                   0.571      0.571
## Unique Obs.                  2357       2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
```

```
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            590        1181
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 64.919      64.919
## BW bias (b)                113.692     113.692
## rho (h/b)                    0.571       0.571
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.167     0.075    -2.220     0.026    [-0.314 , -0.020]
##         Robust         -         -    -1.908     0.056    [-0.365 , 0.005]
## ===============================================================================
## Point 164 of 336
## Minimum treated distance is  1.760724
## There are 72 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  3.094396
## There are 100 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            591         876
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 59.581      59.581
## BW bias (b)                104.140     104.140
## rho (h/b)                    0.572       0.572
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            591         876
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 59.581      59.581
## BW bias (b)                104.140     104.140
## rho (h/b)                    0.572       0.572
```

```
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.193     0.076    -2.544     0.011    [-0.341 , -0.044]
##         Robust         -         -    -2.217     0.027    [-0.390 , -0.024]
## ===============================================================================
## Point 165 of 336
## Minimum treated distance is  0.8967004
## There are 79 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.822648
## There are 91 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            589         949
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 60.816      60.816
## BW bias (b)                104.526     104.526
## rho (h/b)                    0.582       0.582
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            589         949
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 60.816      60.816
## BW bias (b)                104.526     104.526
## rho (h/b)                    0.582       0.582
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.182     0.076    -2.396     0.017    [-0.330 , -0.033]
##         Robust         -         -    -2.040     0.041    [-0.379 , -0.008]
## ===============================================================================
## Point 166 of 336
## Minimum treated distance is  1.006211
```

```
## There are 81 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.125173
## There are 89 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            610        1022
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 62.708      62.708
## BW bias (b)                109.242     109.242
## rho (h/b)                    0.574       0.574
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            610        1022
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 62.708      62.708
## BW bias (b)                109.242     109.242
## rho (h/b)                    0.574       0.574
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.185     0.074    -2.502     0.012    [-0.330 , -0.040]
##         Robust         -         -    -2.156     0.031    [-0.380 , -0.018]
## ===============================================================================
## Point 167 of 336
## Minimum treated distance is  1.096052
## There are 104 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.965005
## There are 76 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
```

```
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             587        1084
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  63.333      63.333
## BW bias (b)                 111.015     111.015
## rho (h/b)                     0.570       0.570
## Unique Obs.                    2357        2951
##
## Call: rdrobust
##
## Number of Obs.                  6193
## BW type                        mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             587        1084
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  63.333      63.333
## BW bias (b)                 111.015     111.015
## rho (h/b)                     0.570       0.570
## Unique Obs.                    2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.171     0.073    -2.353     0.019    [-0.314 , -0.029]
##         Robust         -         -    -2.016     0.044    [-0.363 , -0.005]
## ===============================================================================
## Point 168 of 336
## Minimum treated distance is  0.9467897
## There are 101 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.229945
## There are 78 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                  6193
## BW type                        mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             616        1122
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  64.820      64.820
## BW bias (b)                 113.117     113.117
## rho (h/b)                     0.573       0.573
## Unique Obs.                    2357        2951
##
```

```
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            616        1122
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 64.820      64.820
## BW bias (b)                113.117     113.117
## rho (h/b)                    0.573       0.573
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.178     0.075    -2.391     0.017    [-0.325 , -0.032]
##         Robust         -         -    -2.063     0.039    [-0.376 , -0.010]
## ===============================================================================
## Point 169 of 336
## Minimum treated distance is  1.61398
## There are 108 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.190753
## There are 74 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            620        1157
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 65.938      65.938
## BW bias (b)                116.360     116.360
## rho (h/b)                    0.567       0.567
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            620        1157
## Order est. (p)                   1           1
```

```
## Order bias  (q)                 2          2
## BW est. (h)                65.938     65.938
## BW bias (b)               116.360    116.360
## rho (h/b)                   0.567      0.567
## Unique Obs.                  2357       2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.180     0.073    -2.465     0.014    [-0.324 , -0.037]
##         Robust         -         -    -2.168     0.030    [-0.375 , -0.019]
## ===============================================================================
## Point 170 of 336
## Minimum treated distance is  2.089683
## There are 122 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.380285
## There are 67 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2671       3522
## Eff. Number of Obs.           625       1269
## Order est. (p)                  1          1
## Order bias  (q)                 2          2
## BW est. (h)                68.281     68.281
## BW bias (b)               124.017    124.017
## rho (h/b)                   0.551      0.551
## Unique Obs.                  2357       2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2671       3522
## Eff. Number of Obs.           625       1269
## Order est. (p)                  1          1
## Order bias  (q)                 2          2
## BW est. (h)                68.281     68.281
## BW bias (b)               124.017    124.017
## rho (h/b)                   0.551      0.551
## Unique Obs.                  2357       2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.187     0.076    -2.464     0.014    [-0.336 , -0.038]
```

```
##         Robust         -         -    -2.239     0.025    [-0.391 , -0.026]
## ================================================================================
## Point 171 of 336
## Minimum treated distance is  1.602144
## There are 109 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.415447
## There are 74 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            660        1275
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 68.830      68.830
## BW bias (b)                124.862     124.862
## rho (h/b)                    0.551       0.551
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            660        1275
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 68.830      68.830
## BW bias (b)                124.862     124.862
## rho (h/b)                    0.551       0.551
## Unique Obs.                   2357        2951
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.185     0.070    -2.651     0.008    [-0.322 , -0.048]
##         Robust         -         -    -2.398     0.016    [-0.372 , -0.037]
## ================================================================================
## Point 172 of 336
## Minimum treated distance is  1.330134
## There are 112 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.632045
## There are 71 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
```

```
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            656        1311
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 69.543      69.543
## BW bias (b)                127.744     127.744
## rho (h/b)                    0.544       0.544
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            656        1311
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 69.543      69.543
## BW bias (b)                127.744     127.744
## rho (h/b)                    0.544       0.544
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.188     0.070    -2.685     0.007    [-0.326 , -0.051]
##         Robust         -         -    -2.459     0.014    [-0.378 , -0.043]
## ===============================================================================
## Point 173 of 336
## Minimum treated distance is  2.262045
## There are 122 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  3.526712
## There are 58 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            489        1035
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 60.782      60.782
```

```
## BW bias (b)                109.177     109.177
## rho (h/b)                    0.557       0.557
## Unique Obs.                 2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            489        1035
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 60.782      60.782
## BW bias (b)                109.177     109.177
## rho (h/b)                    0.557       0.557
## Unique Obs.                 2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.191     0.085    -2.245     0.025    [-0.358 , -0.024]
##         Robust         -         -    -1.990     0.047    [-0.416 , -0.003]
## ===============================================================================
## Point 174 of 336
## Minimum treated distance is  4.306605
## There are 44 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.297281
## There are 124 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            475         367
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.543      44.543
## BW bias (b)                 86.538      86.538
## rho (h/b)                    0.515       0.515
## Unique Obs.                 2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
```

```
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             475         367
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  44.543      44.543
## BW bias (b)                  86.538      86.538
## rho (h/b)                     0.515       0.515
## Unique Obs.                    2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.239     0.113    -2.106     0.035    [-0.461 , -0.017]
##         Robust         -         -    -2.020     0.043    [-0.532 , -0.008]
## ===============================================================================
## Point 175 of 336
## Minimum treated distance is  3.005104
## There are 42 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.000395
## There are 128 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             454         302
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  42.314      42.314
## BW bias (b)                  80.898      80.898
## rho (h/b)                     0.523       0.523
## Unique Obs.                    2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             454         302
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  42.314      42.314
## BW bias (b)                  80.898      80.898
## rho (h/b)                     0.523       0.523
## Unique Obs.                    2357        2951
##
```

```
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.245     0.119    -2.051     0.040    [-0.479 , -0.011]
##         Robust         -         -    -1.937     0.053    [-0.548 , 0.003]
## ================================================================================
## Point 176 of 336
## Minimum treated distance is  2.358975
## There are 46 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.507458
## There are 127 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            444         288
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.645      41.645
## BW bias (b)                 78.963      78.963
## rho (h/b)                    0.527       0.527
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            444         288
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.645      41.645
## BW bias (b)                 78.963      78.963
## rho (h/b)                    0.527       0.527
## Unique Obs.                   2357        2951
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.245     0.121    -2.026     0.043    [-0.483 , -0.008]
##         Robust         -         -    -1.908     0.056    [-0.553 , 0.007]
## ================================================================================
## Point 177 of 336
## Minimum treated distance is  4.314981
## There are 51 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.024
```

```
## There are 118 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            491         420
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 46.749      46.749
## BW bias (b)                 89.456      89.456
## rho (h/b)                    0.523       0.523
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            491         420
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 46.749      46.749
## BW bias (b)                 89.456      89.456
## rho (h/b)                    0.523       0.523
## Unique Obs.                   2357        2951
##
## ============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ============================================================================
##   Conventional    -0.238     0.107    -2.231     0.026    [-0.448 , -0.029]
##         Robust         -         -    -2.108     0.035    [-0.519 , -0.019]
## ============================================================================
## Point 178 of 336
## Minimum treated distance is  3.233219
## There are 61 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.885282
## There are 112 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
```

```
## Eff. Number of Obs.            460         402
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.360      45.360
## BW bias (b)                 86.647      86.647
## rho (h/b)                    0.523       0.523
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            460         402
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.360      45.360
## BW bias (b)                 86.647      86.647
## rho (h/b)                    0.523       0.523
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.242     0.105    -2.305     0.021    [-0.447 , -0.036]
##         Robust         -         -    -2.182     0.029    [-0.516 , -0.028]
## ===============================================================================
## Point 179 of 336
## Minimum treated distance is  2.098046
## There are 71 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  3.68891
## There are 100 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            458         404
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.299      45.299
## BW bias (b)                 87.105      87.105
## rho (h/b)                    0.520       0.520
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
```

```
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            458         404
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.299      45.299
## BW bias (b)                 87.105      87.105
## rho (h/b)                    0.520       0.520
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.247     0.104    -2.386     0.017    [-0.450 , -0.044]
##         Robust         -         -    -2.262     0.024    [-0.518 , -0.037]
## ===============================================================================
## Point 180 of 336
## Minimum treated distance is  2.806621
## There are 88 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.781379
## There are 93 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            403         369
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 43.378      43.378
## BW bias (b)                 85.202      85.202
## rho (h/b)                    0.509       0.509
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            403         369
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 43.378      43.378
```

```
## BW bias (b)                 85.202      85.202
## rho (h/b)                    0.509       0.509
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.266     0.099    -2.678     0.007    [-0.460 , -0.071]
##         Robust         -         -    -2.540     0.011    [-0.523 , -0.067]
## ===============================================================================
## Point 181 of 336
## Minimum treated distance is  2.518483
## There are 101 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.32042
## There are 85 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            388         371
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 43.571      43.571
## BW bias (b)                 85.617      85.617
## rho (h/b)                    0.509       0.509
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            388         371
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 43.571      43.571
## BW bias (b)                 85.617      85.617
## rho (h/b)                    0.509       0.509
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.275     0.103    -2.659     0.008    [-0.477 , -0.072]
##         Robust         -         -    -2.517     0.012    [-0.541 , -0.067]
## ===============================================================================
```

```
## Point 182 of 336
## Minimum treated distance is  1.949512
## There are 47 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  0.7412992
## There are 137 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            450         242
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 40.586      40.586
## BW bias (b)                 74.532      74.532
## rho (h/b)                    0.545       0.545
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            450         242
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 40.586      40.586
## BW bias (b)                 74.532      74.532
## rho (h/b)                    0.545       0.545
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.243     0.126    -1.931     0.054    [-0.490 , 0.004]
##         Robust         -         -    -1.806     0.071    [-0.560 , 0.023]
## ===============================================================================
## Point 183 of 336
## Minimum treated distance is  1.936299
## There are 50 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  0.8262825
## There are 135 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
```

```
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            451         241
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 40.601      40.601
## BW bias (b)                 74.181      74.181
## rho (h/b)                    0.547       0.547
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            451         241
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 40.601      40.601
## BW bias (b)                 74.181      74.181
## rho (h/b)                    0.547       0.547
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.242     0.125    -1.942     0.052    [-0.487 , 0.002]
##         Robust         -         -    -1.815     0.070    [-0.557 , 0.021]
## ===============================================================================
## Point 184 of 336
## Minimum treated distance is  0.759385
## There are 46 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.946065
## There are 134 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            412         245
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 39.378      39.378
## BW bias (b)                 73.839      73.839
## rho (h/b)                    0.533       0.533
```

```
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            412         245
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 39.378      39.378
## BW bias (b)                 73.839      73.839
## rho (h/b)                    0.533       0.533
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.254     0.121    -2.095     0.036    [-0.491 , -0.016]
##         Robust         -         -    -1.970     0.049    [-0.558 , -0.001]
## ===============================================================================
## Point 185 of 336
## Minimum treated distance is  1.522297
## There are 48 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.090499
## There are 133 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            451         251
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 40.884      40.884
## BW bias (b)                 74.641      74.641
## rho (h/b)                    0.548       0.548
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
```

```
## Eff. Number of Obs.            451         251
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 40.884      40.884
## BW bias (b)                 74.641      74.641
## rho (h/b)                    0.548       0.548
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.245     0.133    -1.843     0.065    [-0.506 , 0.015]
##         Robust         -         -    -1.729     0.084    [-0.579 , 0.036]
## ===============================================================================
## Point 186 of 336
## Minimum treated distance is  0.5753639
## There are 54 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.142794
## There are 131 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            471         244
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.415      41.415
## BW bias (b)                 75.266      75.266
## rho (h/b)                    0.550       0.550
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            471         244
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.415      41.415
## BW bias (b)                 75.266      75.266
## rho (h/b)                    0.550       0.550
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
```

```
## ================================================================================
##   Conventional    -0.230     0.124    -1.849     0.065    [-0.473 , 0.014]
##         Robust         -         -    -1.709     0.088    [-0.543 , 0.037]
## ================================================================================
## Point 187 of 336
## Minimum treated distance is  3.014875
## There are 110 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.614178
## There are 64 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            453         953
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 57.957      57.957
## BW bias (b)                103.964     103.964
## rho (h/b)                    0.557       0.557
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            453         953
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 57.957      57.957
## BW bias (b)                103.964     103.964
## rho (h/b)                    0.557       0.557
## Unique Obs.                   2357        2951
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.200     0.089    -2.259     0.024    [-0.374 , -0.026]
##         Robust         -         -    -1.987     0.047    [-0.433 , -0.003]
## ================================================================================
## Point 188 of 336
## Minimum treated distance is  2.013148
## There are 117 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.86172
## There are 55 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
```

```
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            354         793
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 51.741      51.741
## BW bias (b)                 94.810      94.810
## rho (h/b)                    0.546       0.546
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            354         793
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 51.741      51.741
## BW bias (b)                 94.810      94.810
## rho (h/b)                    0.546       0.546
## Unique Obs.                   2357        2951
##
## ============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ============================================================================
##   Conventional    -0.208     0.094    -2.217     0.027    [-0.392 , -0.024]
##         Robust         -         -    -1.995     0.046    [-0.453 , -0.004]
## ============================================================================
## Point 189 of 336
## Minimum treated distance is  2.061931
## There are 121 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.617513
## There are 45 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            331         837
## Order est. (p)                   1           1
```

```
## Order bias  (q)                 2          2
## BW est. (h)                52.308     52.308
## BW bias (b)                95.273     95.273
## rho (h/b)                   0.549      0.549
## Unique Obs.                 2357       2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671       3522
## Eff. Number of Obs.            331        837
## Order est. (p)                   1          1
## Order bias  (q)                  2          2
## BW est. (h)                52.308     52.308
## BW bias (b)                95.273     95.273
## rho (h/b)                   0.549      0.549
## Unique Obs.                 2357       2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.207     0.103    -2.019     0.043    [-0.408 , -0.006]
##         Robust         -         -    -1.836     0.066    [-0.475 , 0.016]
## ===============================================================================
## Point 190 of 336
## Minimum treated distance is  1.585041
## There are 127 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.864184
## There are 37 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671       3522
## Eff. Number of Obs.            313        829
## Order est. (p)                   1          1
## Order bias  (q)                  2          2
## BW est. (h)                51.577     51.577
## BW bias (b)                93.743     93.743
## rho (h/b)                   0.550      0.550
## Unique Obs.                 2357       2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
```

```
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            313         829
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 51.577      51.577
## BW bias (b)                 93.743      93.743
## rho (h/b)                    0.550       0.550
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.195     0.108    -1.815     0.070    [-0.407 , 0.016]
##         Robust         -         -    -1.647     0.100    [-0.476 , 0.041]
## ===============================================================================
## Point 191 of 336
## Minimum treated distance is  1.668932
## There are 66 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.625911
## There are 120 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            489         247
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 42.151      42.151
## BW bias (b)                 77.099      77.099
## rho (h/b)                    0.547       0.547
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            489         247
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 42.151      42.151
## BW bias (b)                 77.099      77.099
## rho (h/b)                    0.547       0.547
```

```
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.225     0.121    -1.854     0.064    [-0.463 , 0.013]
##         Robust         -         -    -1.706     0.088    [-0.533 , 0.037]
## ===============================================================================
## Point 192 of 336
## Minimum treated distance is  2.038785
## There are 67 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.036454
## There are 118 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            487         244
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.871      41.871
## BW bias (b)                 76.836      76.836
## rho (h/b)                    0.545       0.545
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            487         244
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.871      41.871
## BW bias (b)                 76.836      76.836
## rho (h/b)                    0.545       0.545
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.223     0.115    -1.932     0.053    [-0.449 , 0.003]
##         Robust         -         -    -1.772     0.076    [-0.516 , 0.026]
## ===============================================================================
## Point 193 of 336
## Minimum treated distance is  2.35891
```

```
## There are 72 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.102395
## There are 118 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            482         241
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.975      41.975
## BW bias (b)                 77.477      77.477
## rho (h/b)                    0.542       0.542
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            482         241
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.975      41.975
## BW bias (b)                 77.477      77.477
## rho (h/b)                    0.542       0.542
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.222     0.115    -1.932     0.053    [-0.447 , 0.003]
##         Robust         -         -    -1.776     0.076    [-0.515 , 0.025]
## ===============================================================================
## Point 194 of 336
## Minimum treated distance is  1.718694
## There are 81 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.235484
## There are 103 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
```

```
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             466         253
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  41.940      41.940
## BW bias (b)                  78.117      78.117
## rho (h/b)                     0.537       0.537
## Unique Obs.                    2357        2951
##
## Call: rdrobust
##
## Number of Obs.                  6193
## BW type                        mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             466         253
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  41.940      41.940
## BW bias (b)                  78.117      78.117
## rho (h/b)                     0.537       0.537
## Unique Obs.                    2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.228     0.110    -2.073     0.038    [-0.443 , -0.012]
##         Robust         -         -    -1.904     0.057    [-0.509 , 0.007]
## ===============================================================================
## Point 195 of 336
## Minimum treated distance is  2.148766
## There are 92 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.964583
## There are 103 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                  6193
## BW type                        mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             434         253
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  41.536      41.536
## BW bias (b)                  79.236      79.236
## rho (h/b)                     0.524       0.524
## Unique Obs.                    2357        2951
##
```

```
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            434         253
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.536      41.536
## BW bias (b)                 79.236      79.236
## rho (h/b)                    0.524       0.524
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.243     0.109    -2.236     0.025    [-0.456 , -0.030]
##         Robust         -         -    -2.043     0.041    [-0.521 , -0.011]
## ===============================================================================
## Point 196 of 336
## Minimum treated distance is  0.8261187
## There are 124 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.079509
## There are 34 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            288         829
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 50.989      50.989
## BW bias (b)                 92.549      92.549
## rho (h/b)                    0.551       0.551
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            288         829
## Order est. (p)                   1           1
```

```
## Order bias  (q)                 2          2
## BW est. (h)                50.989     50.989
## BW bias (b)                92.549     92.549
## rho (h/b)                   0.551      0.551
## Unique Obs.                  2357       2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.184     0.117    -1.575     0.115    [-0.413 , 0.045]
##         Robust         -         -    -1.444     0.149    [-0.487 , 0.074]
## ===============================================================================
## Point 197 of 336
## Minimum treated distance is  2.427864
## There are 99 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.385153
## There are 61 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2671       3522
## Eff. Number of Obs.           328        634
## Order est. (p)                  1          1
## Order bias  (q)                 2          2
## BW est. (h)                47.650     47.650
## BW bias (b)                89.856     89.856
## rho (h/b)                   0.530      0.530
## Unique Obs.                  2357       2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2671       3522
## Eff. Number of Obs.           328        634
## Order est. (p)                  1          1
## Order bias  (q)                 2          2
## BW est. (h)                47.650     47.650
## BW bias (b)                89.856     89.856
## rho (h/b)                   0.530      0.530
## Unique Obs.                  2357       2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.233     0.099    -2.346     0.019    [-0.428 , -0.038]
```

```
##         Robust         -         -    -2.230     0.026    [-0.495 , -0.032]
## ================================================================================
## Point 198 of 336
## Minimum treated distance is  2.132692
## There are 91 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.706732
## There are 71 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            373         625
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 48.698      48.698
## BW bias (b)                 92.829      92.829
## rho (h/b)                    0.525       0.525
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            373         625
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 48.698      48.698
## BW bias (b)                 92.829      92.829
## rho (h/b)                    0.525       0.525
## Unique Obs.                   2357        2951
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.246     0.097    -2.552     0.011    [-0.436 , -0.057]
##         Robust         -         -    -2.448     0.014    [-0.501 , -0.055]
## ================================================================================
## Point 199 of 336
## Minimum treated distance is  2.187137
## There are 92 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.063664
## There are 67 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
```

```
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            338         603
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 47.064      47.064
## BW bias (b)                 88.625      88.625
## rho (h/b)                    0.531       0.531
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            338         603
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 47.064      47.064
## BW bias (b)                 88.625      88.625
## rho (h/b)                    0.531       0.531
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.242     0.098    -2.472     0.013    [-0.433 , -0.050]
##         Robust         -         -    -2.336     0.019    [-0.499 , -0.044]
## ===============================================================================
## Point 200 of 336
## Minimum treated distance is  3.077421
## There are 96 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.668394
## There are 72 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            416         639
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 50.606      50.606
```

```
## BW bias (b)                 99.022      99.022
## rho (h/b)                    0.511       0.511
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            416         639
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 50.606      50.606
## BW bias (b)                 99.022      99.022
## rho (h/b)                    0.511       0.511
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.241     0.088    -2.738     0.006    [-0.413 , -0.068]
##         Robust         -         -    -2.662     0.008    [-0.472 , -0.072]
## ===============================================================================
## Point 201 of 336
## Minimum treated distance is  2.222317
## There are 95 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  0.2795361
## There are 70 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            395         639
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 50.043      50.043
## BW bias (b)                 95.739      95.739
## rho (h/b)                    0.523       0.523
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
```

```
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             395         639
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  50.043      50.043
## BW bias (b)                  95.739      95.739
## rho (h/b)                     0.523       0.523
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.243     0.094    -2.580     0.010    [-0.428 , -0.058]
##         Robust         -         -    -2.487     0.013    [-0.491 , -0.058]
## ===============================================================================
## Point 202 of 336
## Minimum treated distance is  2.683067
## There are 97 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.519119
## There are 71 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             413         631
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  50.278      50.278
## BW bias (b)                  97.871      97.871
## rho (h/b)                     0.514       0.514
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             413         631
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  50.278      50.278
## BW bias (b)                  97.871      97.871
## rho (h/b)                     0.514       0.514
## Unique Obs.                   2357        2951
##
```

```
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.241     0.089    -2.719     0.007    [-0.415 , -0.067]
##         Robust         -         -    -2.631     0.009    [-0.474 , -0.069]
## ================================================================================
## Point 203 of 336
## Minimum treated distance is  1.85821
## There are 106 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.997259
## There are 76 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            386         372
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 43.562      43.562
## BW bias (b)                 85.962      85.962
## rho (h/b)                    0.507       0.507
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            386         372
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 43.562      43.562
## BW bias (b)                 85.962      85.962
## rho (h/b)                    0.507       0.507
## Unique Obs.                   2357        2951
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.275     0.102    -2.701     0.007    [-0.475 , -0.076]
##         Robust         -         -    -2.543     0.011    [-0.537 , -0.070]
## ================================================================================
## Point 204 of 336
## Minimum treated distance is  1.389733
## There are 95 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.587269
```

```
## There are 99 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            433         288
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 43.231      43.231
## BW bias (b)                 84.016      84.016
## rho (h/b)                    0.515       0.515
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            433         288
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 43.231      43.231
## BW bias (b)                 84.016      84.016
## rho (h/b)                    0.515       0.515
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.233     0.108    -2.165     0.030    [-0.444 , -0.022]
##         Robust         -         -    -1.973     0.049    [-0.508 , -0.002]
## ===============================================================================
## Point 205 of 336
## Minimum treated distance is  2.300572
## There are 100 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.122295
## There are 100 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
```

```
## Eff. Number of Obs.            497         365
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 47.954      47.954
## BW bias (b)                 92.500      92.500
## rho (h/b)                    0.518       0.518
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            497         365
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 47.954      47.954
## BW bias (b)                 92.500      92.500
## rho (h/b)                    0.518       0.518
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.206     0.093    -2.216     0.027    [-0.388 , -0.024]
##         Robust         -         -    -2.007     0.045    [-0.445 , -0.005]
## ===============================================================================
## Point 206 of 336
## Minimum treated distance is  1.726094
## There are 64 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.250143
## There are 117 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            673         239
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 50.832      50.832
## BW bias (b)                 87.595      87.595
## rho (h/b)                    0.580       0.580
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
```

```
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            673         239
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 50.832      50.832
## BW bias (b)                 87.595      87.595
## rho (h/b)                    0.580       0.580
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.171     0.100    -1.707     0.088    [-0.366 , 0.025]
##         Robust         -         -    -1.533     0.125    [-0.426 , 0.052]
## ===============================================================================
## Point 207 of 336
## Minimum treated distance is  1.830808
## There are 60 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.449606
## There are 114 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            680         253
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 51.588      51.588
## BW bias (b)                 88.105      88.105
## rho (h/b)                    0.586       0.586
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            680         253
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 51.588      51.588
```

```
## BW bias (b)                 88.105      88.105
## rho (h/b)                    0.586       0.586
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.171     0.101    -1.692     0.091    [-0.370 , 0.027]
##         Robust         -         -    -1.511     0.131    [-0.430 , 0.056]
## ===============================================================================
## Point 208 of 336
## Minimum treated distance is  1.922983
## There are 59 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.315971
## There are 115 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            681         245
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 51.732      51.732
## BW bias (b)                 87.807      87.807
## rho (h/b)                    0.589       0.589
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            681         245
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 51.732      51.732
## BW bias (b)                 87.807      87.807
## rho (h/b)                    0.589       0.589
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.171     0.099    -1.731     0.083    [-0.365 , 0.023]
##         Robust         -         -    -1.547     0.122    [-0.424 , 0.050]
## ===============================================================================
```

```
## Point 209 of 336
## Minimum treated distance is  1.619117
## There are 67 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.491822
## There are 114 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            665         254
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 50.489      50.489
## BW bias (b)                 87.679      87.679
## rho (h/b)                    0.576       0.576
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            665         254
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 50.489      50.489
## BW bias (b)                 87.679      87.679
## rho (h/b)                    0.576       0.576
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.170     0.095    -1.783     0.075    [-0.357 , 0.017]
##         Robust         -         -    -1.598     0.110    [-0.414 , 0.042]
## ===============================================================================
## Point 210 of 336
## Minimum treated distance is  2.378223
## There are 80 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.687278
## There are 109 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
```

```
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            652         337
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 51.599      51.599
## BW bias (b)                 92.284      92.284
## rho (h/b)                    0.559       0.559
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            652         337
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 51.599      51.599
## BW bias (b)                 92.284      92.284
## rho (h/b)                    0.559       0.559
## Unique Obs.                   2357        2951
##
## ============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ============================================================================
##   Conventional    -0.171     0.090    -1.902     0.057    [-0.348 , 0.005]
##         Robust         -         -    -1.685     0.092    [-0.405 , 0.031]
## ============================================================================
## Point 211 of 336
## Minimum treated distance is  0.8711423
## There are 74 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.723649
## There are 111 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            651         305
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 51.031      51.031
## BW bias (b)                 89.434      89.434
## rho (h/b)                    0.571       0.571
```

```
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            651         305
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 51.031      51.031
## BW bias (b)                 89.434      89.434
## rho (h/b)                    0.571       0.571
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.166     0.091    -1.820     0.069    [-0.346 , 0.013]
##         Robust         -         -    -1.589     0.112    [-0.400 , 0.042]
## ===============================================================================
## Point 212 of 336
## Minimum treated distance is  2.292643
## There are 68 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.49354
## There are 114 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            655         265
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 50.083      50.083
## BW bias (b)                 87.682      87.682
## rho (h/b)                    0.571       0.571
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
```

```
## Eff. Number of Obs.            655         265
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 50.083      50.083
## BW bias (b)                 87.682      87.682
## rho (h/b)                    0.571       0.571
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.171     0.093    -1.828     0.068    [-0.354 , 0.012]
##         Robust         -         -    -1.631     0.103    [-0.411 , 0.038]
## ===============================================================================
## Point 213 of 336
## Minimum treated distance is  1.438662
## There are 55 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.887858
## There are 116 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            669         232
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 51.290      51.290
## BW bias (b)                 86.677      86.677
## rho (h/b)                    0.592       0.592
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            669         232
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 51.290      51.290
## BW bias (b)                 86.677      86.677
## rho (h/b)                    0.592       0.592
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
```

```
## ================================================================================
##   Conventional    -0.171     0.099    -1.724     0.085    [-0.365 , 0.023]
##         Robust         -         -    -1.531     0.126    [-0.421 , 0.052]
## ================================================================================
## Point 214 of 336
## Minimum treated distance is  2.015309
## There are 44 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.8563
## There are 128 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            669         215
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 51.285      51.285
## BW bias (b)                 86.342      86.342
## rho (h/b)                    0.594       0.594
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            669         215
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 51.285      51.285
## BW bias (b)                 86.342      86.342
## rho (h/b)                    0.594       0.594
## Unique Obs.                   2357        2951
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.177     0.098    -1.810     0.070    [-0.368 , 0.015]
##         Robust         -         -    -1.607     0.108    [-0.424 , 0.042]
## ================================================================================
## Point 215 of 336
## Minimum treated distance is  1.709114
## There are 51 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  3.55525
## There are 125 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
```

```
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            839         388
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 61.745      61.745
## BW bias (b)                102.226     102.226
## rho (h/b)                    0.604       0.604
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            839         388
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 61.745      61.745
## BW bias (b)                102.226     102.226
## rho (h/b)                    0.604       0.604
## Unique Obs.                   2357        2951
##
## =============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## =============================================================================
##   Conventional    -0.171     0.082    -2.084     0.037    [-0.331 , -0.010]
##         Robust         -         -    -1.842     0.065    [-0.383 , 0.012]
## =============================================================================
## Point 216 of 336
## Minimum treated distance is  1.406177
## There are 124 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.278327
## There are 37 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            286         828
## Order est. (p)                   1           1
```

```
## Order bias  (q)                 2          2
## BW est. (h)                50.701     50.701
## BW bias (b)                92.668     92.668
## rho (h/b)                   0.547      0.547
## Unique Obs.                 2357       2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671       3522
## Eff. Number of Obs.            286        828
## Order est. (p)                   1          1
## Order bias  (q)                  2          2
## BW est. (h)                50.701     50.701
## BW bias (b)                92.668     92.668
## rho (h/b)                   0.547      0.547
## Unique Obs.                 2357       2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.179     0.115    -1.562     0.118    [-0.405 , 0.046]
##         Robust         -         -    -1.462     0.144    [-0.479 , 0.070]
## ===============================================================================
## Point 217 of 336
## Minimum treated distance is  1.980153
## There are 116 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.567392
## There are 40 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671       3522
## Eff. Number of Obs.            303        796
## Order est. (p)                   1          1
## Order bias  (q)                  2          2
## BW est. (h)                50.471     50.471
## BW bias (b)                92.920     92.920
## rho (h/b)                   0.543      0.543
## Unique Obs.                 2357       2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
```

```
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            303         796
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 50.471      50.471
## BW bias (b)                 92.920      92.920
## rho (h/b)                    0.543       0.543
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.196     0.108    -1.810     0.070    [-0.409 , 0.016]
##         Robust         -         -    -1.712     0.087    [-0.481 , 0.032]
## ===============================================================================
## Point 218 of 336
## Minimum treated distance is  1.618887
## There are 119 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.135321
## There are 38 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            293         812
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 50.880      50.880
## BW bias (b)                 92.872      92.872
## rho (h/b)                    0.548       0.548
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            293         812
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 50.880      50.880
## BW bias (b)                 92.872      92.872
## rho (h/b)                    0.548       0.548
```

```
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.185     0.115    -1.613     0.107    [-0.410 , 0.040]
##         Robust         -         -    -1.519     0.129    [-0.486 , 0.062]
## ===============================================================================
## Point 219 of 336
## Minimum treated distance is  1.402851
## There are 112 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.330924
## There are 41 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            302         766
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.989      49.989
## BW bias (b)                 92.572      92.572
## rho (h/b)                    0.540       0.540
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            302         766
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.989      49.989
## BW bias (b)                 92.572      92.572
## rho (h/b)                    0.540       0.540
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.191     0.109    -1.752     0.080    [-0.405 , 0.023]
##         Robust         -         -    -1.670     0.095    [-0.477 , 0.038]
## ===============================================================================
## Point 220 of 336
## Minimum treated distance is  2.618197
```

```
## There are 102 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.857055
## There are 54 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            319         683
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 48.567      48.567
## BW bias (b)                 90.098      90.098
## rho (h/b)                    0.539       0.539
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            319         683
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 48.567      48.567
## BW bias (b)                 90.098      90.098
## rho (h/b)                    0.539       0.539
## Unique Obs.                   2357        2951
##
## =============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## =============================================================================
##   Conventional    -0.221     0.108    -2.051     0.040    [-0.432 , -0.010]
##         Robust         -         -    -1.952     0.051    [-0.505 , 0.001]
## =============================================================================
## Point 221 of 336
## Minimum treated distance is  1.993529
## There are 110 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.409167
## There are 51 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
```

```
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             312         719
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  49.443      49.443
## BW bias (b)                  91.778      91.778
## rho (h/b)                     0.539       0.539
## Unique Obs.                    2357        2951
##
## Call: rdrobust
##
## Number of Obs.                  6193
## BW type                        mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             312         719
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  49.443      49.443
## BW bias (b)                  91.778      91.778
## rho (h/b)                     0.539       0.539
## Unique Obs.                    2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.207     0.109    -1.898     0.058    [-0.421 , 0.007]
##         Robust         -         -    -1.812     0.070    [-0.494 , 0.019]
## ===============================================================================
## Point 222 of 336
## Minimum treated distance is  2.358456
## There are 109 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.372692
## There are 60 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                  6193
## BW type                        mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             462         693
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  53.411      53.411
## BW bias (b)                 101.925     101.925
## rho (h/b)                     0.524       0.524
## Unique Obs.                    2357        2951
##
```

```
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            462         693
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 53.411      53.411
## BW bias (b)                101.925     101.925
## rho (h/b)                    0.524       0.524
## Unique Obs.                  2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.231     0.087    -2.658     0.008    [-0.401 , -0.061]
##         Robust         -         -    -2.571     0.010    [-0.460 , -0.062]
## ===============================================================================
## Point 223 of 336
## Minimum treated distance is  2.026187
## There are 97 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  0.8080194
## There are 67 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            456         699
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 53.426      53.426
## BW bias (b)                102.915     102.915
## rho (h/b)                    0.519       0.519
## Unique Obs.                  2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            456         699
## Order est. (p)                   1           1
```

```
## Order bias  (q)                 2          2
## BW est. (h)                53.426     53.426
## BW bias (b)               102.915    102.915
## rho (h/b)                   0.519      0.519
## Unique Obs.                  2357       2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.232     0.088    -2.653     0.008    [-0.404 , -0.061]
##         Robust         -         -    -2.592     0.010    [-0.464 , -0.064]
## ===============================================================================
## Point 224 of 336
## Minimum treated distance is  1.91653
## There are 103 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  0.2838101
## There are 62 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2671       3522
## Eff. Number of Obs.           466        690
## Order est. (p)                  1          1
## Order bias  (q)                 2          2
## BW est. (h)                53.592     53.592
## BW bias (b)               103.361    103.361
## rho (h/b)                   0.518      0.518
## Unique Obs.                  2357       2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2671       3522
## Eff. Number of Obs.           466        690
## Order est. (p)                  1          1
## Order bias  (q)                 2          2
## BW est. (h)                53.592     53.592
## BW bias (b)               103.361    103.361
## rho (h/b)                   0.518      0.518
## Unique Obs.                  2357       2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.232     0.085    -2.715     0.007    [-0.400 , -0.065]
```

```
##         Robust         -         -    -2.647     0.008    [-0.458 , -0.068]
## ================================================================================
## Point 225 of 336
## Minimum treated distance is  1.620865
## There are 34 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.692281
## There are 129 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            671         203
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 51.641      51.641
## BW bias (b)                 87.253      87.253
## rho (h/b)                    0.592       0.592
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            671         203
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 51.641      51.641
## BW bias (b)                 87.253      87.253
## rho (h/b)                    0.592       0.592
## Unique Obs.                   2357        2951
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.185     0.100    -1.849     0.065    [-0.381 , 0.011]
##         Robust         -         -    -1.644     0.100    [-0.439 , 0.038]
## ================================================================================
## Point 226 of 336
## Minimum treated distance is  1.959029
## There are 34 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.69244
## There are 127 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
```

```
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            734         239
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 55.391      55.391
## BW bias (b)                 93.344      93.344
## rho (h/b)                    0.593       0.593
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            734         239
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 55.391      55.391
## BW bias (b)                 93.344      93.344
## rho (h/b)                    0.593       0.593
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.185     0.092    -1.998     0.046    [-0.366 , -0.003]
##         Robust         -         -    -1.740     0.082    [-0.419 , 0.025]
## ===============================================================================
## Point 227 of 336
## Minimum treated distance is  1.826318
## There are 40 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.318988
## There are 127 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            661         207
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 51.052      51.052
```

```
## BW bias (b)                 86.160      86.160
## rho (h/b)                    0.593       0.593
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            661         207
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 51.052      51.052
## BW bias (b)                 86.160      86.160
## rho (h/b)                    0.593       0.593
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.180     0.097    -1.859     0.063    [-0.369 , 0.010]
##         Robust         -         -    -1.651     0.099    [-0.424 , 0.036]
## ===============================================================================
## Point 228 of 336
## Minimum treated distance is  1.481671
## There are 40 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.920633
## There are 130 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            853         375
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 62.743      62.743
## BW bias (b)                104.784     104.784
## rho (h/b)                    0.599       0.599
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
```

```
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             853         375
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  62.743      62.743
## BW bias (b)                 104.784     104.784
## rho (h/b)                     0.599       0.599
## Unique Obs.                    2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.175     0.082    -2.130     0.033    [-0.336 , -0.014]
##         Robust         -         -    -1.904     0.057    [-0.389 , 0.006]
## ===============================================================================
## Point 229 of 336
## Minimum treated distance is  2.071338
## There are 85 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  3.66933
## There are 105 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             653         373
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  52.791      52.791
## BW bias (b)                  95.943      95.943
## rho (h/b)                     0.550       0.550
## Unique Obs.                    2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             653         373
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  52.791      52.791
## BW bias (b)                  95.943      95.943
## rho (h/b)                     0.550       0.550
## Unique Obs.                    2357        2951
##
```

```
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.172     0.086    -1.989     0.047    [-0.341 , -0.002]
##         Robust         -         -    -1.765     0.078    [-0.396 , 0.021]
## ================================================================================
## Point 230 of 336
## Minimum treated distance is  2.204478
## There are 91 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.196937
## There are 100 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            675         428
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 55.231      55.231
## BW bias (b)                102.164     102.164
## rho (h/b)                    0.541       0.541
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            675         428
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 55.231      55.231
## BW bias (b)                102.164     102.164
## rho (h/b)                    0.541       0.541
## Unique Obs.                   2357        2951
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.168     0.080    -2.109     0.035    [-0.324 , -0.012]
##         Robust         -         -    -1.920     0.055    [-0.375 , 0.004]
## ================================================================================
## Point 231 of 336
## Minimum treated distance is  1.654876
## There are 118 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.146053
```

```
## There are 42 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            303         757
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.763      49.763
## BW bias (b)                 92.182      92.182
## rho (h/b)                    0.540       0.540
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            303         757
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.763      49.763
## BW bias (b)                 92.182      92.182
## rho (h/b)                    0.540       0.540
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.196     0.110    -1.792     0.073    [-0.411 , 0.018]
##         Robust         -         -    -1.710     0.087    [-0.484 , 0.033]
## ===============================================================================
## Point 232 of 336
## Minimum treated distance is  2.274503
## There are 108 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.493356
## There are 73 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
```

```
## Eff. Number of Obs.            461         511
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.361      49.361
## BW bias (b)                 96.927      96.927
## rho (h/b)                    0.509       0.509
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            461         511
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.361      49.361
## BW bias (b)                 96.927      96.927
## rho (h/b)                    0.509       0.509
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.242     0.094    -2.577     0.010    [-0.427 , -0.058]
##         Robust         -         -    -2.439     0.015    [-0.488 , -0.053]
## ===============================================================================
## Point 233 of 336
## Minimum treated distance is  0.7934882
## There are 55 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.59901
## There are 118 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.           1050         679
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 75.233      75.233
## BW bias (b)                125.255     125.255
## rho (h/b)                    0.601       0.601
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
```

```
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.           1050         679
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 75.233      75.233
## BW bias (b)                125.255     125.255
## rho (h/b)                    0.601       0.601
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.159     0.071    -2.258     0.024    [-0.298 , -0.021]
##         Robust         -         -    -2.037     0.042    [-0.346 , -0.007]
## ===============================================================================
## Point 234 of 336
## Minimum treated distance is  2.314105
## There are 58 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  0.7814332
## There are 112 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            834         464
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 63.739      63.739
## BW bias (b)                103.687     103.687
## rho (h/b)                    0.615       0.615
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            834         464
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 63.739      63.739
```

```
## BW bias (b)                103.687     103.687
## rho (h/b)                    0.615       0.615
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.153     0.079    -1.931     0.053    [-0.308 , 0.002]
##         Robust         -         -    -1.648     0.099    [-0.355 , 0.031]
## ===============================================================================
## Point 235 of 336
## Minimum treated distance is  1.050592
## There are 117 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.82698
## There are 40 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            302         792
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 50.560      50.560
## BW bias (b)                 92.457      92.457
## rho (h/b)                    0.547       0.547
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            302         792
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 50.560      50.560
## BW bias (b)                 92.457      92.457
## rho (h/b)                    0.547       0.547
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.190     0.118    -1.614     0.106    [-0.421 , 0.041]
##         Robust         -         -    -1.533     0.125    [-0.499 , 0.061]
## ===============================================================================
```

```
## Point 236 of 336
## Minimum treated distance is  1.174723
## There are 110 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.620225
## There are 70 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            622         802
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 60.972      60.972
## BW bias (b)                115.282     115.282
## rho (h/b)                    0.529       0.529
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            622         802
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 60.972      60.972
## BW bias (b)                115.282     115.282
## rho (h/b)                    0.529       0.529
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.218     0.083    -2.640     0.008    [-0.380 , -0.056]
##         Robust         -         -    -2.511     0.012    [-0.441 , -0.054]
## ===============================================================================
## Point 237 of 336
## Minimum treated distance is  0.7470871
## There are 105 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.953415
## There are 72 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
```

```
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            628         782
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 60.900      60.900
## BW bias (b)                116.567     116.567
## rho (h/b)                    0.522       0.522
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            628         782
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 60.900      60.900
## BW bias (b)                116.567     116.567
## rho (h/b)                    0.522       0.522
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.220     0.081    -2.696     0.007    [-0.379 , -0.060]
##         Robust         -         -    -2.566     0.010    [-0.439 , -0.059]
## ===============================================================================
## Point 238 of 336
## Minimum treated distance is  1.424983
## There are 61 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.415468
## There are 112 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            881         517
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 66.048      66.048
## BW bias (b)                108.443     108.443
## rho (h/b)                    0.609       0.609
```

```
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            881         517
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 66.048      66.048
## BW bias (b)                108.443     108.443
## rho (h/b)                    0.609       0.609
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.154     0.078    -1.959     0.050    [-0.307 , 0.000]
##         Robust         -         -    -1.747     0.081    [-0.358 , 0.021]
## ===============================================================================
## Point 239 of 336
## Minimum treated distance is  1.383107
## There are 105 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.0807
## There are 95 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            614         480
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 53.948      53.948
## BW bias (b)                106.419     106.419
## rho (h/b)                    0.507       0.507
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
```

```
## Eff. Number of Obs.            614         480
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 53.948      53.948
## BW bias (b)                106.419     106.419
## rho (h/b)                    0.507       0.507
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.182     0.082    -2.223     0.026    [-0.342 , -0.022]
##         Robust          -         -    -2.076     0.038    [-0.397 , -0.011]
## ===============================================================================
## Point 240 of 336
## Minimum treated distance is  1.78016
## There are 91 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.773612
## There are 96 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            712         480
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 57.966      57.966
## BW bias (b)                109.303     109.303
## rho (h/b)                    0.530       0.530
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            712         480
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 57.966      57.966
## BW bias (b)                109.303     109.303
## rho (h/b)                    0.530       0.530
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
```

```
## ================================================================================
##   Conventional    -0.164     0.075    -2.187     0.029    [-0.310 , -0.017]
##         Robust         -         -    -2.025     0.043    [-0.359 , -0.006]
## ================================================================================
## Point 241 of 336
## Minimum treated distance is  1.832762
## There are 111 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.64392
## There are 60 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            485         698
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 54.372      54.372
## BW bias (b)                101.948     101.948
## rho (h/b)                    0.533       0.533
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            485         698
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 54.372      54.372
## BW bias (b)                101.948     101.948
## rho (h/b)                    0.533       0.533
## Unique Obs.                   2357        2951
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.228     0.092    -2.461     0.014    [-0.409 , -0.046]
##         Robust         -         -    -2.359     0.018    [-0.474 , -0.044]
## ================================================================================
## Point 242 of 336
## Minimum treated distance is  2.285138
## There are 112 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  0.8674128
## There are 63 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
```

```
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            472         658
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 52.857      52.857
## BW bias (b)                 99.267      99.267
## rho (h/b)                    0.532       0.532
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            472         658
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 52.857      52.857
## BW bias (b)                 99.267      99.267
## rho (h/b)                    0.532       0.532
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.227     0.094    -2.418     0.016    [-0.412 , -0.043]
##         Robust         -         -    -2.308     0.021    [-0.476 , -0.039]
## ===============================================================================
## Point 243 of 336
## Minimum treated distance is  1.253073
## There are 112 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.346809
## There are 68 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            538         714
## Order est. (p)                   1           1
```

```
## Order bias  (q)                 2          2
## BW est. (h)                56.733     56.733
## BW bias (b)               109.211    109.211
## rho (h/b)                   0.519      0.519
## Unique Obs.                  2357       2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671       3522
## Eff. Number of Obs.            538        714
## Order est. (p)                   1          1
## Order bias  (q)                  2          2
## BW est. (h)                56.733     56.733
## BW bias (b)               109.211    109.211
## rho (h/b)                   0.519      0.519
## Unique Obs.                  2357       2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.221     0.088    -2.510     0.012    [-0.394 , -0.048]
##         Robust         -         -    -2.424     0.015    [-0.457 , -0.048]
## ===============================================================================
## Point 244 of 336
## Minimum treated distance is  1.619895
## There are 113 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.032931
## There are 65 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671       3522
## Eff. Number of Obs.            481        650
## Order est. (p)                   1          1
## Order bias  (q)                  2          2
## BW est. (h)                53.317     53.317
## BW bias (b)               101.399    101.399
## rho (h/b)                   0.526      0.526
## Unique Obs.                  2357       2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
```

```
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            481         650
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 53.317      53.317
## BW bias (b)                101.399     101.399
## rho (h/b)                    0.526       0.526
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.224     0.091    -2.467     0.014    [-0.403 , -0.046]
##         Robust         -         -    -2.355     0.019    [-0.465 , -0.043]
## ===============================================================================
## Point 245 of 336
## Minimum treated distance is  2.170046
## There are 115 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.101534
## There are 64 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            445         627
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 51.517      51.517
## BW bias (b)                 97.561      97.561
## rho (h/b)                    0.528       0.528
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            445         627
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 51.517      51.517
## BW bias (b)                 97.561      97.561
## rho (h/b)                    0.528       0.528
```

```
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.229     0.092    -2.490     0.013    [-0.409 , -0.049]
##         Robust         -         -    -2.367     0.018    [-0.470 , -0.044]
## ===============================================================================
## Point 246 of 336
## Minimum treated distance is  1.211347
## There are 61 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.361355
## There are 112 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            833         474
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 63.607      63.607
## BW bias (b)                103.096     103.096
## rho (h/b)                    0.617       0.617
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            833         474
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 63.607      63.607
## BW bias (b)                103.096     103.096
## rho (h/b)                    0.617       0.617
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.151     0.079    -1.900     0.057    [-0.306 , 0.005]
##         Robust         -         -    -1.619     0.105    [-0.351 , 0.033]
## ===============================================================================
## Point 247 of 336
## Minimum treated distance is  1.457035
```

```
## There are 91 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.794436
## There are 95 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            740         521
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 59.893      59.893
## BW bias (b)                116.108     116.108
## rho (h/b)                    0.516       0.516
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            740         521
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 59.893      59.893
## BW bias (b)                116.108     116.108
## rho (h/b)                    0.516       0.516
## Unique Obs.                   2357        2951
##
## ============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ============================================================================
##   Conventional    -0.162     0.072    -2.256     0.024    [-0.303 , -0.021]
##         Robust         -         -    -2.134     0.033    [-0.351 , -0.015]
## ============================================================================
## Point 248 of 336
## Minimum treated distance is  1.345695
## There are 91 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.844541
## There are 95 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
```

```
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             745         528
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  60.193      60.193
## BW bias (b)                 119.145     119.145
## rho (h/b)                     0.505       0.505
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                  6193
## BW type                        mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             745         528
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  60.193      60.193
## BW bias (b)                 119.145     119.145
## rho (h/b)                     0.505       0.505
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.162     0.069    -2.351     0.019    [-0.297 , -0.027]
##         Robust         -         -    -2.254     0.024    [-0.343 , -0.024]
## ===============================================================================
## Point 249 of 336
## Minimum treated distance is  0.531619
## There are 94 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.225617
## There are 91 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                  6193
## BW type                        mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             767         581
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  61.566      61.566
## BW bias (b)                 119.977     119.977
## rho (h/b)                     0.513       0.513
## Unique Obs.                   2357        2951
##
```

```
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            767         581
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 61.566      61.566
## BW bias (b)                119.977     119.977
## rho (h/b)                    0.513       0.513
## Unique Obs.                  2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.165     0.074    -2.230     0.026    [-0.310 , -0.020]
##         Robust         -         -    -2.145     0.032    [-0.360 , -0.016]
## ===============================================================================
## Point 250 of 336
## Minimum treated distance is  0.6266761
## There are 107 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.795315
## There are 85 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            643         538
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 56.489      56.489
## BW bias (b)                109.233     109.233
## rho (h/b)                    0.517       0.517
## Unique Obs.                  2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            643         538
## Order est. (p)                   1           1
```

```
## Order bias  (q)                 2          2
## BW est. (h)                56.489     56.489
## BW bias (b)               109.233    109.233
## rho (h/b)                   0.517      0.517
## Unique Obs.                  2357       2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.168     0.078    -2.151     0.031    [-0.322 , -0.015]
##         Robust         -         -    -1.997     0.046    [-0.374 , -0.003]
## ===============================================================================
## Point 251 of 336
## Minimum treated distance is  0.9106542
## There are 106 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.924428
## There are 83 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2671       3522
## Eff. Number of Obs.           665        533
## Order est. (p)                  1          1
## Order bias  (q)                 2          2
## BW est. (h)                57.096     57.096
## BW bias (b)               108.224    108.224
## rho (h/b)                   0.528      0.528
## Unique Obs.                  2357       2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2671       3522
## Eff. Number of Obs.           665        533
## Order est. (p)                  1          1
## Order bias  (q)                 2          2
## BW est. (h)                57.096     57.096
## BW bias (b)               108.224    108.224
## rho (h/b)                   0.528      0.528
## Unique Obs.                  2357       2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.165     0.081    -2.047     0.041    [-0.323 , -0.007]
```

```
##         Robust         -         -    -1.889     0.059    [-0.376 , 0.007]
## ================================================================================
## Point 252 of 336
## Minimum treated distance is  0.5069377
## There are 102 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.010726
## There are 84 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            676         522
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 57.375      57.375
## BW bias (b)                110.434     110.434
## rho (h/b)                    0.520       0.520
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            676         522
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 57.375      57.375
## BW bias (b)                110.434     110.434
## rho (h/b)                    0.520       0.520
## Unique Obs.                   2357        2951
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.163     0.075    -2.173     0.030    [-0.310 , -0.016]
##         Robust         -         -    -2.017     0.044    [-0.360 , -0.005]
## ================================================================================
## Point 253 of 336
## Minimum treated distance is  1.157899
## There are 62 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.224375
## There are 107 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
```

```
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            729         379
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 57.878      57.878
## BW bias (b)                 94.989      94.989
## rho (h/b)                    0.609       0.609
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            729         379
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 57.878      57.878
## BW bias (b)                 94.989      94.989
## rho (h/b)                    0.609       0.609
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.149     0.084    -1.778     0.075    [-0.313 , 0.015]
##         Robust         -         -    -1.390     0.165    [-0.345 , 0.059]
## ===============================================================================
## Point 254 of 336
## Minimum treated distance is  1.278659
## There are 61 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.541328
## There are 103 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            609         303
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 52.794      52.794
```

```
## BW bias (b)                 90.647      90.647
## rho (h/b)                    0.582       0.582
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            609         303
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 52.794      52.794
## BW bias (b)                 90.647      90.647
## rho (h/b)                    0.582       0.582
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.141     0.085    -1.651     0.099    [-0.308 , 0.026]
##         Robust         -         -    -1.211     0.226    [-0.329 , 0.078]
## ===============================================================================
## Point 255 of 336
## Minimum treated distance is  1.587306
## There are 65 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  0.828281
## There are 102 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            575         302
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 51.618      51.618
## BW bias (b)                 89.423      89.423
## rho (h/b)                    0.577       0.577
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
```

```
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             575         302
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  51.618      51.618
## BW bias (b)                  89.423      89.423
## rho (h/b)                     0.577       0.577
## Unique Obs.                    2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.135     0.087    -1.542     0.123    [-0.306 , 0.036]
##         Robust         -         -    -1.102     0.271    [-0.322 , 0.090]
## ===============================================================================
## Point 256 of 336
## Minimum treated distance is  0.9632635
## There are 107 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.162123
## There are 82 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             625         513
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  55.371      55.371
## BW bias (b)                 102.971     102.971
## rho (h/b)                     0.538       0.538
## Unique Obs.                    2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             625         513
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  55.371      55.371
## BW bias (b)                 102.971     102.971
## rho (h/b)                     0.538       0.538
## Unique Obs.                    2357        2951
##
```

```
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.164     0.085    -1.942     0.052    [-0.330 , 0.002]
##         Robust         -         -    -1.723     0.085    [-0.383 , 0.025]
## ================================================================================
## Point 257 of 336
## Minimum treated distance is  1.664032
## There are 70 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.167201
## There are 96 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            530         301
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 50.166      50.166
## BW bias (b)                 88.144      88.144
## rho (h/b)                    0.569       0.569
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            530         301
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 50.166      50.166
## BW bias (b)                 88.144      88.144
## rho (h/b)                    0.569       0.569
## Unique Obs.                   2357        2951
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.128     0.092    -1.392     0.164    [-0.309 , 0.052]
##         Robust         -         -    -0.964     0.335    [-0.323 , 0.110]
## ================================================================================
## Point 258 of 336
## Minimum treated distance is  1.33547
## There are 73 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.077833
```

```
## There are 94 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            500         301
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 48.992      48.992
## BW bias (b)                 86.949      86.949
## rho (h/b)                    0.563       0.563
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            500         301
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 48.992      48.992
## BW bias (b)                 86.949      86.949
## rho (h/b)                    0.563       0.563
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.122     0.092    -1.326     0.185    [-0.303 , 0.058]
##         Robust         -         -    -0.895     0.371    [-0.314 , 0.117]
## ===============================================================================
## Point 259 of 336
## Minimum treated distance is  1.455121
## There are 74 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.86301
## There are 92 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
```

```
## Eff. Number of Obs.            491         301
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 48.538      48.538
## BW bias (b)                 86.558      86.558
## rho (h/b)                    0.561       0.561
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            491         301
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 48.538      48.538
## BW bias (b)                 86.558      86.558
## rho (h/b)                    0.561       0.561
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.120     0.095    -1.261     0.207    [-0.308 , 0.067]
##         Robust         -         -    -0.843     0.399    [-0.319 , 0.127]
## ===============================================================================
## Point 260 of 336
## Minimum treated distance is  1.709736
## There are 79 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.558112
## There are 88 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            479         308
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 48.444      48.444
## BW bias (b)                 86.236      86.236
## rho (h/b)                    0.562       0.562
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
```

```
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            479         308
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 48.444      48.444
## BW bias (b)                 86.236      86.236
## rho (h/b)                    0.562       0.562
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.119     0.101    -1.180     0.238    [-0.317 , 0.079]
##         Robust         -         -    -0.779     0.436    [-0.330 , 0.142]
## ===============================================================================
## Point 261 of 336
## Minimum treated distance is  1.425773
## There are 89 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.021061
## There are 79 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            411         299
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.293      45.293
## BW bias (b)                 82.505      82.505
## rho (h/b)                    0.549       0.549
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            411         299
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.293      45.293
```

```
## BW bias (b)                 82.505      82.505
## rho (h/b)                    0.549       0.549
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.111     0.106    -1.047     0.295    [-0.320 , 0.097]
##         Robust         -         -    -0.665     0.506    [-0.331 , 0.163]
## ===============================================================================
## Point 262 of 336
## Minimum treated distance is  1.597864
## There are 100 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.260952
## There are 65 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            348         301
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 43.097      43.097
## BW bias (b)                 78.529      78.529
## rho (h/b)                    0.549       0.549
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            348         301
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 43.097      43.097
## BW bias (b)                 78.529      78.529
## rho (h/b)                    0.549       0.549
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.108     0.104    -1.042     0.298    [-0.312 , 0.095]
##         Robust         -         -    -0.678     0.498    [-0.324 , 0.158]
## ===============================================================================
```

```
## Point 263 of 336
## Minimum treated distance is  0.5897622
## There are 120 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.377322
## There are 57 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            354         370
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.870      44.870
## BW bias (b)                 81.244      81.244
## rho (h/b)                    0.552       0.552
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            354         370
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.870      44.870
## BW bias (b)                 81.244      81.244
## rho (h/b)                    0.552       0.552
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.124     0.111    -1.117     0.264    [-0.341 , 0.093]
##         Robust         -         -    -0.762     0.446    [-0.360 , 0.158]
## ===============================================================================
## Point 264 of 336
## Minimum treated distance is  1.231719
## There are 128 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.65963
## There are 51 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
```

```
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            345         386
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.646      44.646
## BW bias (b)                 81.241      81.241
## rho (h/b)                    0.550       0.550
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            345         386
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.646      44.646
## BW bias (b)                 81.241      81.241
## rho (h/b)                    0.550       0.550
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.121     0.110    -1.103     0.270    [-0.336 , 0.094]
##         Robust         -         -    -0.767     0.443    [-0.357 , 0.156]
## ===============================================================================
## Point 265 of 336
## Minimum treated distance is  1.496072
## There are 130 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.352421
## There are 47 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            352         411
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.538      45.538
## BW bias (b)                 80.351      80.351
## rho (h/b)                    0.567       0.567
```

```
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            352         411
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.538      45.538
## BW bias (b)                 80.351      80.351
## rho (h/b)                    0.567       0.567
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.117     0.112    -1.044     0.296    [-0.337 , 0.103]
##         Robust         -         -    -0.727     0.467    [-0.362 , 0.166]
## ===============================================================================
## Point 266 of 336
## Minimum treated distance is  1.342818
## There are 128 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  0.7220957
## There are 46 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            344         421
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.528      45.528
## BW bias (b)                 80.700      80.700
## rho (h/b)                    0.564       0.564
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
```

```
## Eff. Number of Obs.            344         421
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.528      45.528
## BW bias (b)                 80.700      80.700
## rho (h/b)                    0.564       0.564
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.120     0.112    -1.072     0.284    [-0.340 , 0.099]
##         Robust         -         -    -0.755     0.450    [-0.365 , 0.162]
## ===============================================================================
## Point 267 of 336
## Minimum treated distance is  1.558474
## There are 131 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  0.9591511
## There are 47 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            350         414
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.671      45.671
## BW bias (b)                 80.403      80.403
## rho (h/b)                    0.568       0.568
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            350         414
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.671      45.671
## BW bias (b)                 80.403      80.403
## rho (h/b)                    0.568       0.568
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
```

```
## ================================================================================
##   Conventional    -0.117     0.111    -1.054     0.292    [-0.335 , 0.101]
##         Robust         -         -    -0.737     0.461    [-0.360 , 0.163]
## ================================================================================
## Point 268 of 336
## Minimum treated distance is  1.108551
## There are 108 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.244301
## There are 59 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            337         318
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 43.156      43.156
## BW bias (b)                 78.671      78.671
## rho (h/b)                    0.549       0.549
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            337         318
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 43.156      43.156
## BW bias (b)                 78.671      78.671
## rho (h/b)                    0.549       0.549
## Unique Obs.                   2357        2951
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.113     0.106    -1.069     0.285    [-0.321 , 0.094]
##         Robust         -         -    -0.712     0.476    [-0.335 , 0.157]
## ================================================================================
## Point 269 of 336
## Minimum treated distance is  1.39739
## There are 114 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.331547
## There are 55 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
```

```
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            341         348
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 43.923      43.923
## BW bias (b)                 78.821      78.821
## rho (h/b)                    0.557       0.557
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            341         348
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 43.923      43.923
## BW bias (b)                 78.821      78.821
## rho (h/b)                    0.557       0.557
## Unique Obs.                   2357        2951
##
## =============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## =============================================================================
##   Conventional    -0.116     0.113    -1.027     0.305    [-0.338 , 0.106]
##         Robust         -         -    -0.691     0.490    [-0.357 , 0.171]
## =============================================================================
## Point 270 of 336
## Minimum treated distance is  1.153374
## There are 111 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.050474
## There are 56 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            340         337
## Order est. (p)                   1           1
```

```
## Order bias  (q)                 2          2
## BW est. (h)                43.565     43.565
## BW bias (b)                78.113     78.113
## rho (h/b)                   0.558      0.558
## Unique Obs.                 2357       2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671       3522
## Eff. Number of Obs.            340        337
## Order est. (p)                   1          1
## Order bias  (q)                  2          2
## BW est. (h)                43.565     43.565
## BW bias (b)                78.113     78.113
## rho (h/b)                   0.558      0.558
## Unique Obs.                 2357       2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.115     0.109    -1.055     0.291    [-0.328 , 0.098]
##         Robust         -         -    -0.710     0.478    [-0.346 , 0.162]
## ===============================================================================
## Point 271 of 336
## Minimum treated distance is  1.632877
## There are 133 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.072288
## There are 44 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671       3522
## Eff. Number of Obs.            339        428
## Order est. (p)                   1          1
## Order bias  (q)                  2          2
## BW est. (h)                45.347     45.347
## BW bias (b)                80.858     80.858
## rho (h/b)                   0.561      0.561
## Unique Obs.                 2357       2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
```

```
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            339         428
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.347      45.347
## BW bias (b)                 80.858      80.858
## rho (h/b)                    0.561       0.561
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.122     0.112    -1.088     0.277    [-0.341 , 0.098]
##         Robust         -         -    -0.769     0.442    [-0.367 , 0.160]
## ===============================================================================
## Point 272 of 336
## Minimum treated distance is  1.828596
## There are 135 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.564908
## There are 43 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            329         444
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.395      45.395
## BW bias (b)                 80.152      80.152
## rho (h/b)                    0.566       0.566
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            329         444
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.395      45.395
## BW bias (b)                 80.152      80.152
## rho (h/b)                    0.566       0.566
```

```
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.119     0.116    -1.029     0.303    [-0.345 , 0.108]
##         Robust         -         -    -0.729     0.466    [-0.374 , 0.171]
## ===============================================================================
## Point 273 of 336
## Minimum treated distance is  1.063767
## There are 139 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.999404
## There are 41 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            326         472
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 46.089      46.089
## BW bias (b)                 81.344      81.344
## rho (h/b)                    0.567       0.567
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            326         472
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 46.089      46.089
## BW bias (b)                 81.344      81.344
## rho (h/b)                    0.567       0.567
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.118     0.123    -0.958     0.338    [-0.359 , 0.123]
##         Robust         -         -    -0.666     0.506    [-0.391 , 0.193]
## ===============================================================================
## Point 274 of 336
## Minimum treated distance is  1.273871
```

```
## There are 139 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.221177
## There are 36 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            294         459
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.548      44.548
## BW bias (b)                 78.348      78.348
## rho (h/b)                    0.569       0.569
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            294         459
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.548      44.548
## BW bias (b)                 78.348      78.348
## rho (h/b)                    0.569       0.569
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.108     0.115    -0.936     0.349    [-0.334 , 0.118]
##         Robust         -         -    -0.661     0.508    [-0.364 , 0.180]
## ===============================================================================
## Point 275 of 336
## Minimum treated distance is  0.9987755
## There are 140 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.176934
## There are 33 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
```

```
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             308         485
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  45.979      45.979
## BW bias (b)                  80.173      80.173
## rho (h/b)                     0.573       0.573
## Unique Obs.                    2357        2951
##
## Call: rdrobust
##
## Number of Obs.                  6193
## BW type                        mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             308         485
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  45.979      45.979
## BW bias (b)                  80.173      80.173
## rho (h/b)                     0.573       0.573
## Unique Obs.                    2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.107     0.117    -0.912     0.362    [-0.336 , 0.123]
##         Robust         -         -    -0.624     0.533    [-0.364 , 0.188]
## ===============================================================================
## Point 276 of 336
## Minimum treated distance is  1.934955
## There are 139 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.237106
## There are 32 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                  6193
## BW type                        mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             319         524
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  47.644      47.644
## BW bias (b)                  82.573      82.573
## rho (h/b)                     0.577       0.577
## Unique Obs.                    2357        2951
##
```

```
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            319         524
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 47.644      47.644
## BW bias (b)                 82.573      82.573
## rho (h/b)                    0.577       0.577
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.106     0.118    -0.892     0.373    [-0.337 , 0.126]
##         Robust         -         -    -0.597     0.551    [-0.365 , 0.194]
## ===============================================================================
## Point 277 of 336
## Minimum treated distance is  0.8208966
## There are 81 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.481607
## There are 69 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            347         309
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.871      44.871
## BW bias (b)                 84.821      84.821
## rho (h/b)                    0.529       0.529
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            347         309
## Order est. (p)                   1           1
```

```
## Order bias  (q)                 2           2
## BW est. (h)                44.871      44.871
## BW bias (b)                84.821      84.821
## rho (h/b)                   0.529       0.529
## Unique Obs.                  2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.078     0.119    -0.655     0.512    [-0.311 , 0.155]
##         Robust         -         -    -0.354     0.724    [-0.326 , 0.227]
## ===============================================================================
## Point 278 of 336
## Minimum treated distance is  1.094936
## There are 84 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.998246
## There are 68 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2671        3522
## Eff. Number of Obs.           321         297
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                43.004      43.004
## BW bias (b)                80.251      80.251
## rho (h/b)                   0.536       0.536
## Unique Obs.                  2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2671        3522
## Eff. Number of Obs.           321         297
## Order est. (p)                  1           1
## Order bias  (q)                 2           2
## BW est. (h)                43.004      43.004
## BW bias (b)                80.251      80.251
## rho (h/b)                   0.536       0.536
## Unique Obs.                  2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.076     0.115    -0.656     0.512    [-0.302 , 0.150]
```

```
##         Robust         -         -    -0.361     0.718    [-0.318 , 0.219]
## ================================================================================
## Point 279 of 336
## Minimum treated distance is  1.317678
## There are 90 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.281303
## There are 65 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            341         326
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.725      44.725
## BW bias (b)                 84.095      84.095
## rho (h/b)                    0.532       0.532
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            341         326
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.725      44.725
## BW bias (b)                 84.095      84.095
## rho (h/b)                    0.532       0.532
## Unique Obs.                   2357        2951
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.081     0.109    -0.742     0.458    [-0.295 , 0.133]
##         Robust         -         -    -0.423     0.672    [-0.308 , 0.198]
## ================================================================================
## Point 280 of 336
## Minimum treated distance is  1.436972
## There are 76 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  3.060382
## There are 68 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
```

```
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            382         336
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 46.898      46.898
## BW bias (b)                 88.985      88.985
## rho (h/b)                    0.527       0.527
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            382         336
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 46.898      46.898
## BW bias (b)                 88.985      88.985
## rho (h/b)                    0.527       0.527
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.075     0.121    -0.619     0.536    [-0.313 , 0.162]
##         Robust         -         -    -0.325     0.745    [-0.329 , 0.235]
## ===============================================================================
## Point 281 of 336
## Minimum treated distance is  1.678331
## There are 138 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.669913
## There are 31 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            311         534
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 47.527      47.527
```

```
## BW bias (b)                 83.031      83.031
## rho (h/b)                    0.572       0.572
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            311         534
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 47.527      47.527
## BW bias (b)                 83.031      83.031
## rho (h/b)                    0.572       0.572
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.102     0.122    -0.837     0.403    [-0.341 , 0.137]
##         Robust         -         -    -0.552     0.581    [-0.369 , 0.207]
## ===============================================================================
## Point 282 of 336
## Minimum treated distance is  2.18661
## There are 93 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.062221
## There are 61 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            357         365
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 46.199      46.199
## BW bias (b)                 86.260      86.260
## rho (h/b)                    0.536       0.536
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
```

```
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             357         365
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  46.199      46.199
## BW bias (b)                  86.260      86.260
## rho (h/b)                     0.536       0.536
## Unique Obs.                    2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.082     0.114    -0.723     0.469    [-0.305 , 0.141]
##         Robust         -         -    -0.398     0.691    [-0.318 , 0.211]
## ===============================================================================
## Point 283 of 336
## Minimum treated distance is  1.715053
## There are 76 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  3.162731
## There are 65 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             386         354
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  47.638      47.638
## BW bias (b)                  91.061      91.061
## rho (h/b)                     0.523       0.523
## Unique Obs.                    2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             386         354
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  47.638      47.638
## BW bias (b)                  91.061      91.061
## rho (h/b)                     0.523       0.523
## Unique Obs.                    2357        2951
##
```

```
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.065     0.117    -0.554     0.580    [-0.295 , 0.165]
##         Robust         -         -    -0.253     0.801    [-0.307 , 0.237]
## ================================================================================
## Point 284 of 336
## Minimum treated distance is  1.580296
## There are 86 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.766646
## There are 60 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            347         382
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 46.753      46.753
## BW bias (b)                 89.501      89.501
## rho (h/b)                    0.522       0.522
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            347         382
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 46.753      46.753
## BW bias (b)                 89.501      89.501
## rho (h/b)                    0.522       0.522
## Unique Obs.                   2357        2951
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.066     0.113    -0.579     0.563    [-0.288 , 0.157]
##         Robust         -         -    -0.263     0.793    [-0.297 , 0.227]
## ================================================================================
## Point 285 of 336
## Minimum treated distance is  0.7376783
## There are 129 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.158964
```

```
## There are 30 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            359         603
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 51.395      51.395
## BW bias (b)                 87.232      87.232
## rho (h/b)                    0.589       0.589
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            359         603
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 51.395      51.395
## BW bias (b)                 87.232      87.232
## rho (h/b)                    0.589       0.589
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.103     0.120    -0.859     0.391    [-0.339 , 0.132]
##         Robust         -         -    -0.573     0.567    [-0.371 , 0.203]
## ===============================================================================
## Point 286 of 336
## Minimum treated distance is  2.081976
## There are 106 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.179862
## There are 39 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
```

```
## Eff. Number of Obs.            420         592
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 53.938      53.938
## BW bias (b)                 94.160      94.160
## rho (h/b)                    0.573       0.573
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            420         592
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 53.938      53.938
## BW bias (b)                 94.160      94.160
## rho (h/b)                    0.573       0.573
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.096     0.110    -0.873     0.382    [-0.311 , 0.119]
##         Robust         -         -    -0.543     0.587    [-0.332 , 0.188]
## ===============================================================================
## Point 287 of 336
## Minimum treated distance is  1.61896
## There are 113 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.577722
## There are 40 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            390         565
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 52.233      52.233
## BW bias (b)                 90.963      90.963
## rho (h/b)                    0.574       0.574
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
```

```
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            390         565
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 52.233      52.233
## BW bias (b)                 90.963      90.963
## rho (h/b)                    0.574       0.574
## Unique Obs.                  2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.096     0.109    -0.879     0.379    [-0.308 , 0.117]
##         Robust         -         -    -0.552     0.581    [-0.328 , 0.184]
## ===============================================================================
## Point 288 of 336
## Minimum treated distance is  2.136136
## There are 116 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.477053
## There are 35 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            401         583
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 52.686      52.686
## BW bias (b)                 89.727      89.727
## rho (h/b)                    0.587       0.587
## Unique Obs.                  2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            401         583
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 52.686      52.686
```

```
## BW bias (b)                 89.727      89.727
## rho (h/b)                    0.587       0.587
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.104     0.113    -0.922     0.356    [-0.326 , 0.117]
##         Robust         -         -    -0.607     0.544    [-0.352 , 0.186]
## ===============================================================================
## Point 289 of 336
## Minimum treated distance is  1.944579
## There are 126 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.743746
## There are 34 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            391         607
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 52.746      52.746
## BW bias (b)                 88.845      88.845
## rho (h/b)                    0.594       0.594
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            391         607
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 52.746      52.746
## BW bias (b)                 88.845      88.845
## rho (h/b)                    0.594       0.594
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.107     0.116    -0.919     0.358    [-0.334 , 0.121]
##         Robust         -         -    -0.612     0.540    [-0.363 , 0.190]
## ===============================================================================
```

```
## Point 290 of 336
## Minimum treated distance is  2.61717
## There are 107 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.088495
## There are 37 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            425         612
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 54.768      54.768
## BW bias (b)                 95.531      95.531
## rho (h/b)                    0.573       0.573
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            425         612
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 54.768      54.768
## BW bias (b)                 95.531      95.531
## rho (h/b)                    0.573       0.573
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.097     0.109    -0.885     0.376    [-0.311 , 0.117]
##         Robust         -         -    -0.555     0.579    [-0.333 , 0.186]
## ===============================================================================
## Point 291 of 336
## Minimum treated distance is  2.257199
## There are 109 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  0.7593225
## There are 33 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
```

```
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            439         656
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 55.995      55.995
## BW bias (b)                 95.370      95.370
## rho (h/b)                    0.587       0.587
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            439         656
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 55.995      55.995
## BW bias (b)                 95.370      95.370
## rho (h/b)                    0.587       0.587
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.103     0.116    -0.891     0.373    [-0.331 , 0.124]
##         Robust         -         -    -0.574     0.566    [-0.361 , 0.197]
## ===============================================================================
## Point 292 of 336
## Minimum treated distance is  1.618415
## There are 64 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.388303
## There are 67 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            405         365
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.119      49.119
## BW bias (b)                 94.797      94.797
## rho (h/b)                    0.518       0.518
```

```
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            405         365
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.119      49.119
## BW bias (b)                 94.797      94.797
## rho (h/b)                    0.518       0.518
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.048     0.120    -0.404     0.686    [-0.284 , 0.187]
##         Robust         -         -    -0.135     0.892    [-0.299 , 0.260]
## ===============================================================================
## Point 293 of 336
## Minimum treated distance is  1.908692
## There are 44 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  3.328256
## There are 61 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            493         479
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 55.306      55.306
## BW bias (b)                102.681     102.681
## rho (h/b)                    0.539       0.539
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
```

```
## Eff. Number of Obs.            493         479
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 55.306      55.306
## BW bias (b)                102.681     102.681
## rho (h/b)                    0.539       0.539
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.054     0.109    -0.493     0.622    [-0.268 , 0.160]
##         Robust         -         -    -0.237     0.812    [-0.294 , 0.230]
## ===============================================================================
## Point 294 of 336
## Minimum treated distance is  2.068324
## There are 120 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.753882
## There are 30 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            430         677
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 56.312      56.312
## BW bias (b)                 94.825      94.825
## rho (h/b)                    0.594       0.594
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            430         677
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 56.312      56.312
## BW bias (b)                 94.825      94.825
## rho (h/b)                    0.594       0.594
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
```

```
## ================================================================================
##   Conventional    -0.110     0.119    -0.921     0.357    [-0.343 , 0.124]
##         Robust         -         -    -0.612     0.540    [-0.377 , 0.198]
## ================================================================================
## Point 295 of 336
## Minimum treated distance is  1.943602
## There are 85 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.073006
## There are 57 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            377         419
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.021      49.021
## BW bias (b)                 93.150      93.150
## rho (h/b)                    0.526       0.526
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            377         419
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.021      49.021
## BW bias (b)                 93.150      93.150
## rho (h/b)                    0.526       0.526
## Unique Obs.                   2357        2951
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.058     0.112    -0.519     0.604    [-0.277 , 0.161]
##         Robust         -         -    -0.210     0.834    [-0.287 , 0.232]
## ================================================================================
## Point 296 of 336
## Minimum treated distance is  2.450761
## There are 86 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.875586
## There are 54 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
```

```
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            431         484
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 52.329      52.329
## BW bias (b)                 96.720      96.720
## rho (h/b)                    0.541       0.541
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            431         484
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 52.329      52.329
## BW bias (b)                 96.720      96.720
## rho (h/b)                    0.541       0.541
## Unique Obs.                   2357        2951
##
## =============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## =============================================================================
##   Conventional    -0.067     0.107    -0.627     0.530    [-0.277 , 0.143]
##         Robust         -         -    -0.314     0.754    [-0.293 , 0.212]
## =============================================================================
## Point 297 of 336
## Minimum treated distance is  3.395678
## There are 90 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  0.70731
## There are 51 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            447         538
## Order est. (p)                   1           1
```

```
## Order bias  (q)                 2          2
## BW est. (h)                53.978     53.978
## BW bias (b)                97.265     97.265
## rho (h/b)                   0.555      0.555
## Unique Obs.                 2357       2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671       3522
## Eff. Number of Obs.            447        538
## Order est. (p)                   1          1
## Order bias  (q)                  2          2
## BW est. (h)                53.978     53.978
## BW bias (b)                97.265     97.265
## rho (h/b)                   0.555      0.555
## Unique Obs.                 2357       2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.076     0.115    -0.667     0.505    [-0.301 , 0.148]
##         Robust         -         -    -0.360     0.719    [-0.322 , 0.222]
## ===============================================================================
## Point 298 of 336
## Minimum treated distance is  2.936938
## There are 49 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  3.997677
## There are 55 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671       3522
## Eff. Number of Obs.            525        530
## Order est. (p)                   1          1
## Order bias  (q)                  2          2
## BW est. (h)                57.297     57.297
## BW bias (b)               104.162    104.162
## rho (h/b)                   0.550      0.550
## Unique Obs.                 2357       2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
```

```
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            525         530
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 57.297      57.297
## BW bias (b)                104.162     104.162
## rho (h/b)                    0.550       0.550
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.067     0.113    -0.594     0.552    [-0.290 , 0.155]
##         Robust         -         -    -0.332     0.740    [-0.322 , 0.228]
## ===============================================================================
## Point 299 of 336
## Minimum treated distance is  3.543398
## There are 89 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.850232
## There are 45 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            446         587
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 55.233      55.233
## BW bias (b)                 97.641      97.641
## rho (h/b)                    0.566       0.566
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            446         587
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 55.233      55.233
## BW bias (b)                 97.641      97.641
## rho (h/b)                    0.566       0.566
```

```
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.086     0.114    -0.756     0.450    [-0.309 , 0.137]
##         Robust         -         -    -0.438     0.661    [-0.331 , 0.210]
## ===============================================================================
## Point 300 of 336
## Minimum treated distance is  3.625796
## There are 85 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.146834
## There are 50 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            426         542
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 53.491      53.491
## BW bias (b)                 96.617      96.617
## rho (h/b)                    0.554       0.554
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            426         542
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 53.491      53.491
## BW bias (b)                 96.617      96.617
## rho (h/b)                    0.554       0.554
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.074     0.117    -0.627     0.530    [-0.304 , 0.157]
##         Robust         -         -    -0.318     0.751    [-0.323 , 0.233]
## ===============================================================================
## Point 301 of 336
## Minimum treated distance is  2.672527
```

```
## There are 93 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  0.9880347
## There are 42 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            451         617
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 55.836      55.836
## BW bias (b)                 97.932      97.932
## rho (h/b)                    0.570       0.570
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            451         617
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 55.836      55.836
## BW bias (b)                 97.932      97.932
## rho (h/b)                    0.570       0.570
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.091     0.115    -0.792     0.428    [-0.317 , 0.134]
##         Robust         -         -    -0.477     0.633    [-0.342 , 0.208]
## ===============================================================================
## Point 302 of 336
## Minimum treated distance is  2.280451
## There are 106 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  0.8087306
## There are 30 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
```

```
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             434         676
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  56.414      56.414
## BW bias (b)                  95.872      95.872
## rho (h/b)                     0.588       0.588
## Unique Obs.                    2357        2951
##
## Call: rdrobust
##
## Number of Obs.                  6193
## BW type                        mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             434         676
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  56.414      56.414
## BW bias (b)                  95.872      95.872
## rho (h/b)                     0.588       0.588
## Unique Obs.                    2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.110     0.118    -0.928     0.353    [-0.342 , 0.122]
##         Robust         -         -    -0.617     0.537    [-0.375 , 0.196]
## ===============================================================================
## Point 303 of 336
## Minimum treated distance is  1.384344
## There are 98 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.291758
## There are 40 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                  6193
## BW type                        mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             455         645
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  56.608      56.608
## BW bias (b)                  98.114      98.114
## rho (h/b)                     0.577       0.577
## Unique Obs.                    2357        2951
##
```

```
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            455         645
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 56.608      56.608
## BW bias (b)                 98.114      98.114
## rho (h/b)                    0.577       0.577
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.099     0.116    -0.851     0.395    [-0.327 , 0.129]
##         Robust         -         -    -0.536     0.592    [-0.356 , 0.203]
## ===============================================================================
## Point 304 of 336
## Minimum treated distance is  0.8500086
## There are 102 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.774027
## There are 40 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            451         656
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 56.578      56.578
## BW bias (b)                 97.468      97.468
## rho (h/b)                    0.580       0.580
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            451         656
## Order est. (p)                   1           1
```

```
## Order bias  (q)                 2          2
## BW est. (h)                56.578     56.578
## BW bias (b)                97.468     97.468
## rho (h/b)                   0.580      0.580
## Unique Obs.                  2357       2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.103     0.114    -0.897     0.370    [-0.327 , 0.122]
##         Robust         -         -    -0.577     0.564    [-0.356 , 0.194]
## ===============================================================================
## Point 305 of 336
## Minimum treated distance is  3.893923
## There are 46 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  3.519901
## There are 53 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2671       3522
## Eff. Number of Obs.           555        563
## Order est. (p)                  1          1
## Order bias  (q)                 2          2
## BW est. (h)                59.599     59.599
## BW bias (b)               107.313    107.313
## rho (h/b)                   0.555      0.555
## Unique Obs.                  2357       2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2671       3522
## Eff. Number of Obs.           555        563
## Order est. (p)                  1          1
## Order bias  (q)                 2          2
## BW est. (h)                59.599     59.599
## BW bias (b)               107.313    107.313
## rho (h/b)                   0.555      0.555
## Unique Obs.                  2357       2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.083     0.109    -0.761     0.447    [-0.296 , 0.130]
```

```
##         Robust         -         -    -0.487     0.626    [-0.332 , 0.200]
## ================================================================================
## Point 306 of 336
## Minimum treated distance is  1.805384
## There are 51 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.074103
## There are 42 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            613         628
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 64.097      64.097
## BW bias (b)                113.592     113.592
## rho (h/b)                    0.564       0.564
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            613         628
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 64.097      64.097
## BW bias (b)                113.592     113.592
## rho (h/b)                    0.564       0.564
## Unique Obs.                   2357        2951
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.113     0.095    -1.194     0.232    [-0.299 , 0.073]
##         Robust         -         -    -0.892     0.372    [-0.340 , 0.127]
## ================================================================================
## Point 307 of 336
## Minimum treated distance is  3.565593
## There are 47 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  3.569679
## There are 40 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
```

```
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            707         672
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 69.996      69.996
## BW bias (b)                122.130     122.130
## rho (h/b)                    0.573       0.573
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            707         672
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 69.996      69.996
## BW bias (b)                122.130     122.130
## rho (h/b)                    0.573       0.573
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.134     0.101    -1.327     0.185    [-0.332 , 0.064]
##         Robust         -         -    -1.089     0.276    [-0.392 , 0.112]
## ===============================================================================
## Point 308 of 336
## Minimum treated distance is  2.338968
## There are 48 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  5.746186
## There are 34 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            684         665
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 69.596      69.596
```

```
## BW bias (b)                122.887     122.887
## rho (h/b)                    0.566       0.566
## Unique Obs.                 2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            684         665
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 69.596      69.596
## BW bias (b)                122.887     122.887
## rho (h/b)                    0.566       0.566
## Unique Obs.                 2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.142     0.099    -1.440     0.150    [-0.336 , 0.051]
##         Robust         -         -    -1.219     0.223    [-0.397 , 0.093]
## ===============================================================================
## Point 309 of 336
## Minimum treated distance is  2.313539
## There are 49 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  9.263973
## There are 31 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            667         659
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 69.829      69.829
## BW bias (b)                124.255     124.255
## rho (h/b)                    0.562       0.562
## Unique Obs.                 2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
```

```
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             667         659
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  69.829      69.829
## BW bias (b)                 124.255     124.255
## rho (h/b)                     0.562       0.562
## Unique Obs.                    2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.159     0.101    -1.577     0.115    [-0.357 , 0.039]
##         Robust         -         -    -1.378     0.168    [-0.424 , 0.074]
## ===============================================================================
## Point 310 of 336
## Minimum treated distance is  2.712913
## There are 40 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  8.238583
## There are 29 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             684         668
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  72.022      72.022
## BW bias (b)                 128.113     128.113
## rho (h/b)                     0.562       0.562
## Unique Obs.                    2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             684         668
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  72.022      72.022
## BW bias (b)                 128.113     128.113
## rho (h/b)                     0.562       0.562
## Unique Obs.                    2357        2951
##
```

```
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.162     0.100    -1.611     0.107    [-0.359 , 0.035]
##         Robust         -         -    -1.429     0.153    [-0.427 , 0.067]
## ================================================================================
## Point 311 of 336
## Minimum treated distance is  3.819773
## There are 31 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  6.203698
## There are 35 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            735         674
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 74.819      74.819
## BW bias (b)                131.146     131.146
## rho (h/b)                    0.571       0.571
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            735         674
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 74.819      74.819
## BW bias (b)                131.146     131.146
## rho (h/b)                    0.571       0.571
## Unique Obs.                   2357        2951
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.151     0.103    -1.463     0.143    [-0.353 , 0.051]
##         Robust         -         -    -1.285     0.199    [-0.425 , 0.088]
## ================================================================================
## Point 312 of 336
## Minimum treated distance is  3.348575
## There are 28 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  5.174367
```

```
## There are 40 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            761         674
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 76.364      76.364
## BW bias (b)                133.334     133.334
## rho (h/b)                    0.573       0.573
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            761         674
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 76.364      76.364
## BW bias (b)                133.334     133.334
## rho (h/b)                    0.573       0.573
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.142     0.101    -1.413     0.158    [-0.339 , 0.055]
##         Robust         -         -    -1.233     0.217    [-0.409 , 0.093]
## ===============================================================================
## Point 313 of 336
## Minimum treated distance is  2.529409
## There are 29 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  4.064253
## There are 43 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
```

```
## Eff. Number of Obs.            786         674
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 77.867      77.867
## BW bias (b)                134.847     134.847
## rho (h/b)                    0.577       0.577
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            786         674
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 77.867      77.867
## BW bias (b)                134.847     134.847
## rho (h/b)                    0.577       0.577
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.133     0.095    -1.405     0.160    [-0.319 , 0.053]
##         Robust         -         -    -1.212     0.225    [-0.385 , 0.091]
## ===============================================================================
## Point 314 of 336
## Minimum treated distance is  3.209198
## There are 36 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.082605
## There are 39 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            779         699
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 78.723      78.723
## BW bias (b)                135.584     135.584
## rho (h/b)                    0.581       0.581
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
```

```
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            779         699
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 78.723      78.723
## BW bias (b)                135.584     135.584
## rho (h/b)                    0.581       0.581
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.137     0.090    -1.519     0.129    [-0.315 , 0.040]
##         Robust         -         -    -1.334     0.182    [-0.380 , 0.072]
## ===============================================================================
## Point 315 of 336
## Minimum treated distance is  2.684272
## There are 39 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.14718
## There are 32 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            758         714
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 78.388      78.388
## BW bias (b)                135.014     135.014
## rho (h/b)                    0.581       0.581
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            758         714
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 78.388      78.388
```

```
## BW bias (b)                135.014     135.014
## rho (h/b)                    0.581       0.581
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.146     0.093    -1.565     0.118    [-0.330 , 0.037]
##         Robust         -         -    -1.393     0.164    [-0.398 , 0.067]
## ===============================================================================
## Point 316 of 336
## Minimum treated distance is  2.26044
## There are 39 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  0.7455471
## There are 27 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            766         717
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 78.912      78.912
## BW bias (b)                136.155     136.155
## rho (h/b)                    0.580       0.580
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            766         717
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 78.912      78.912
## BW bias (b)                136.155     136.155
## rho (h/b)                    0.580       0.580
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.143     0.091    -1.566     0.117    [-0.321 , 0.036]
##         Robust         -         -    -1.395     0.163    [-0.388 , 0.065]
## ===============================================================================
```

```
## Point 317 of 336
## Minimum treated distance is  2.091612
## There are 42 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.744931
## There are 28 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            750         710
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 78.925      78.925
## BW bias (b)                134.767     134.767
## rho (h/b)                    0.586       0.586
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            750         710
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 78.925      78.925
## BW bias (b)                134.767     134.767
## rho (h/b)                    0.586       0.586
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.140     0.088    -1.596     0.111    [-0.312 , 0.032]
##         Robust         -         -    -1.389     0.165    [-0.374 , 0.064]
## ===============================================================================
## Point 318 of 336
## Minimum treated distance is  2.465862
## There are 45 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.711084
## There are 19 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
```

```
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            721         708
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 77.873      77.873
## BW bias (b)                132.705     132.705
## rho (h/b)                    0.587       0.587
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            721         708
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 77.873      77.873
## BW bias (b)                132.705     132.705
## rho (h/b)                    0.587       0.587
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.142     0.085    -1.663     0.096    [-0.308 , 0.025]
##         Robust         -         -    -1.399     0.162    [-0.365 , 0.061]
## ===============================================================================
## Point 319 of 336
## Minimum treated distance is  2.241758
## There are 57 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.669007
## There are 18 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            656         702
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 75.134      75.134
## BW bias (b)                127.817     127.817
## rho (h/b)                    0.588       0.588
```

```
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            656         702
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 75.134      75.134
## BW bias (b)                127.817     127.817
## rho (h/b)                    0.588       0.588
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.152     0.088    -1.727     0.084    [-0.324 , 0.020]
##         Robust         -         -    -1.423     0.155    [-0.379 , 0.060]
## ===============================================================================
## Point 320 of 336
## Minimum treated distance is  2.349919
## There are 59 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.951891
## There are 17 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            625         696
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 73.742      73.742
## BW bias (b)                125.691     125.691
## rho (h/b)                    0.587       0.587
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
```

```
## Eff. Number of Obs.            625         696
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 73.742      73.742
## BW bias (b)                125.691     125.691
## rho (h/b)                    0.587       0.587
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.159     0.092    -1.720     0.085    [-0.339 , 0.022]
##         Robust          -         -    -1.416     0.157    [-0.395 , 0.064]
## ===============================================================================
## Point 321 of 336
## Minimum treated distance is  3.003719
## There are 57 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.305597
## There are 18 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            606         680
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 73.599      73.599
## BW bias (b)                124.684     124.684
## rho (h/b)                    0.590       0.590
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            606         680
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 73.599      73.599
## BW bias (b)                124.684     124.684
## rho (h/b)                    0.590       0.590
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
```

```
## ================================================================================
##   Conventional    -0.140     0.094    -1.490     0.136    [-0.324 , 0.044]
##         Robust         -         -    -1.162     0.245    [-0.373 , 0.095]
## ================================================================================
## Point 322 of 336
## Minimum treated distance is  3.66052
## There are 60 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  3.580635
## There are 27 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            464         586
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 66.860      66.860
## BW bias (b)                114.948     114.948
## rho (h/b)                    0.582       0.582
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            464         586
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 66.860      66.860
## BW bias (b)                114.948     114.948
## rho (h/b)                    0.582       0.582
## Unique Obs.                   2357        2951
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.134     0.102    -1.314     0.189    [-0.335 , 0.066]
##         Robust         -         -    -0.967     0.334    [-0.373 , 0.127]
## ================================================================================
## Point 323 of 336
## Minimum treated distance is  4.783467
## There are 56 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  3.913315
## There are 29 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
```

```
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            472         578
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 67.362      67.362
## BW bias (b)                115.872     115.872
## rho (h/b)                    0.581       0.581
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            472         578
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 67.362      67.362
## BW bias (b)                115.872     115.872
## rho (h/b)                    0.581       0.581
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.122     0.104    -1.164     0.244    [-0.326 , 0.083]
##         Robust         -         -    -0.821     0.412    [-0.361 , 0.148]
## ===============================================================================
## Point 324 of 336
## Minimum treated distance is  3.814237
## There are 56 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.054345
## There are 43 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            350         378
## Order est. (p)                   1           1
```

```
## Order bias  (q)                 2          2
## BW est. (h)                56.878     56.878
## BW bias (b)               105.145    105.145
## rho (h/b)                   0.541      0.541
## Unique Obs.                  2357       2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671       3522
## Eff. Number of Obs.            350        378
## Order est. (p)                   1          1
## Order bias  (q)                  2          2
## BW est. (h)                56.878     56.878
## BW bias (b)               105.145    105.145
## rho (h/b)                   0.541      0.541
## Unique Obs.                  2357       2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.098     0.130    -0.757     0.449    [-0.353 , 0.156]
##         Robust         -         -    -0.452     0.652    [-0.379 , 0.237]
## ===============================================================================
## Point 325 of 336
## Minimum treated distance is  3.042795
## There are 49 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.7576
## There are 46 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671       3522
## Eff. Number of Obs.            273        263
## Order est. (p)                   1          1
## Order bias  (q)                  2          2
## BW est. (h)                49.498     49.498
## BW bias (b)                90.357     90.357
## rho (h/b)                   0.548      0.548
## Unique Obs.                  2357       2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
```

```
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            273         263
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.498      49.498
## BW bias (b)                 90.357      90.357
## rho (h/b)                    0.548       0.548
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.058     0.143    -0.402     0.687    [-0.339 , 0.223]
##         Robust         -         -    -0.239     0.811    [-0.382 , 0.299]
## ===============================================================================
## Point 326 of 336
## Minimum treated distance is  1.594246
## There are 48 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.318016
## There are 45 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            275         267
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 50.060      50.060
## BW bias (b)                 87.634      87.634
## rho (h/b)                    0.571       0.571
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            275         267
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 50.060      50.060
## BW bias (b)                 87.634      87.634
## rho (h/b)                    0.571       0.571
```

```
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.029     0.145    -0.199     0.843    [-0.313 , 0.256]
##         Robust         -         -    -0.060     0.952    [-0.356 , 0.335]
## ===============================================================================
## Point 327 of 336
## Minimum treated distance is  1.079634
## There are 47 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.715211
## There are 48 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            263         245
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 48.656      48.656
## BW bias (b)                 84.780      84.780
## rho (h/b)                    0.574       0.574
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            263         245
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 48.656      48.656
## BW bias (b)                 84.780      84.780
## rho (h/b)                    0.574       0.574
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.013     0.134    -0.100     0.920    [-0.276 , 0.249]
##         Robust         -         -     0.042     0.967    [-0.309 , 0.323]
## ===============================================================================
## Point 328 of 336
## Minimum treated distance is  1.18062
```

```
## There are 41 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.785555
## There are 46 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            247         235
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 47.925      47.925
## BW bias (b)                 83.281      83.281
## rho (h/b)                    0.575       0.575
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            247         235
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 47.925      47.925
## BW bias (b)                 83.281      83.281
## rho (h/b)                    0.575       0.575
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.023     0.137     0.168     0.867    [-0.245 , 0.291]
##         Robust         -         -     0.298     0.766    [-0.269 , 0.366]
## ===============================================================================
## Point 329 of 336
## Minimum treated distance is  1.842809
## There are 40 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.242427
## There are 47 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
```

```
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             246         234
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  48.100      48.100
## BW bias (b)                  82.680      82.680
## rho (h/b)                     0.582       0.582
## Unique Obs.                    2357        2951
##
## Call: rdrobust
##
## Number of Obs.                  6193
## BW type                        mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             246         234
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  48.100      48.100
## BW bias (b)                  82.680      82.680
## rho (h/b)                     0.582       0.582
## Unique Obs.                    2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.031     0.138     0.224     0.823    [-0.240 , 0.302]
##         Robust         -         -     0.347     0.729    [-0.264 , 0.377]
## ===============================================================================
## Point 330 of 336
## Minimum treated distance is  1.367276
## There are 40 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.786893
## There are 48 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                  6193
## BW type                        mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             257         239
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  48.701      48.701
## BW bias (b)                  84.529      84.529
## rho (h/b)                     0.576       0.576
## Unique Obs.                    2357        2951
##
```

```
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            257         239
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 48.701      48.701
## BW bias (b)                 84.529      84.529
## rho (h/b)                    0.576       0.576
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.014     0.145     0.096     0.924    [-0.270 , 0.298]
##         Robust         -         -     0.223     0.823    [-0.299 , 0.376]
## ===============================================================================
## Point 331 of 336
## Minimum treated distance is  1.879895
## There are 34 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.33054
## There are 43 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            237         218
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.060      49.060
## BW bias (b)                 82.277      82.277
## rho (h/b)                    0.596       0.596
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            237         218
## Order est. (p)                   1           1
```

```
## Order bias  (q)                 2          2
## BW est. (h)                49.060     49.060
## BW bias (b)                82.277     82.277
## rho (h/b)                   0.596      0.596
## Unique Obs.                  2357       2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.069     0.128     0.538     0.591    [-0.183 , 0.321]
##         Robust         -         -     0.642     0.521    [-0.197 , 0.389]
## ===============================================================================
## Point 332 of 336
## Minimum treated distance is  0.473145
## There are 39 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.271692
## There are 46 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2671       3522
## Eff. Number of Obs.           241        220
## Order est. (p)                  1          1
## Order bias  (q)                 2          2
## BW est. (h)                48.399     48.399
## BW bias (b)                81.961     81.961
## rho (h/b)                   0.591      0.591
## Unique Obs.                  2357       2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2671       3522
## Eff. Number of Obs.           241        220
## Order est. (p)                  1          1
## Order bias  (q)                 2          2
## BW est. (h)                48.399     48.399
## BW bias (b)                81.961     81.961
## rho (h/b)                   0.591      0.591
## Unique Obs.                  2357       2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.052     0.123     0.424     0.672    [-0.189 , 0.293]
```

```
##         Robust         -         -     0.547     0.585    [-0.203 , 0.360]
## ================================================================================
## Point 333 of 336
## Minimum treated distance is  2.494113
## There are 34 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.316115
## There are 43 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            246         216
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.379      49.379
## BW bias (b)                 82.060      82.060
## rho (h/b)                    0.602       0.602
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            246         216
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.379      49.379
## BW bias (b)                 82.060      82.060
## rho (h/b)                    0.602       0.602
## Unique Obs.                   2357        2951
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional     0.065     0.127     0.516     0.606    [-0.183 , 0.314]
##         Robust         -         -     0.617     0.537    [-0.199 , 0.381]
## ================================================================================
## Point 334 of 336
## Minimum treated distance is  2.173328
## There are 34 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.26181
## There are 43 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
```

```
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            240         217
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.215      49.215
## BW bias (b)                 82.148      82.148
## rho (h/b)                    0.599       0.599
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            240         217
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.215      49.215
## BW bias (b)                 82.148      82.148
## rho (h/b)                    0.599       0.599
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.067     0.128     0.528     0.598    [-0.183 , 0.317]
##         Robust         -         -     0.631     0.528    [-0.198 , 0.385]
## ===============================================================================
## Point 335 of 336
## Minimum treated distance is  1.014865
## There are 38 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.867442
## There are 42 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            234         224
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.786      49.786
```

```
## BW bias (b)                 83.250      83.250
## rho (h/b)                    0.598       0.598
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            234         224
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.786      49.786
## BW bias (b)                 83.250      83.250
## rho (h/b)                    0.598       0.598
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.073     0.134     0.549     0.583    [-0.189 , 0.336]
##         Robust         -         -     0.665     0.506    [-0.202 , 0.410]
## ===============================================================================
## Point 336 of 336
## Minimum treated distance is  0.5086881
## There are 31 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.166111
## There are 43 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            230         217
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.931      49.931
## BW bias (b)                 85.094      85.094
## rho (h/b)                    0.587       0.587
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
```

```
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             230         217
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  49.931      49.931
## BW bias (b)                  85.094      85.094
## rho (h/b)                     0.587       0.587
## Unique Obs.                    2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.086     0.144     0.595     0.552    [-0.196 , 0.368]
##         Robust         -         -     0.702     0.483    [-0.212 , 0.449]
## ===============================================================================
##
##
##
## -----------------------------------------------------
## Final results -- Outcome health_binary
##     Point Estimate Conv-CIl Conv-CIu hfix Ntr-hfix Nco-hfix Rob-CIl Rob-CIu
## 1       1    -0.23    -0.44    -0.02   20        9       34   -0.51   -0.01
## 2       2     0.01    -0.19     0.20   20       10       37   -0.25    0.26
## 3       3     0.01    -0.17     0.19   20       14       39   -0.23    0.25
## 4       4     0.01    -0.17     0.19   20       14       48   -0.23    0.25
## 5       5     0.01    -0.17     0.19   20       20       49   -0.23    0.25
## 6       6     0.01    -0.17     0.18   20       21       50   -0.22    0.25
## 7       7     0.01    -0.16     0.18   20       21       49   -0.21    0.24
## 8       8     0.01    -0.15     0.18   20       26       51   -0.20    0.24
## 9       9     0.02    -0.15     0.18   20       28       48   -0.20    0.24
## 10     10     0.02    -0.15     0.19   20       28       58   -0.19    0.25
## 11     11     0.02    -0.15     0.19   20       30       61   -0.19    0.24
## 12     12     0.02    -0.15     0.20   20       34       59   -0.19    0.25
## 13     13    -0.06    -0.32     0.19   20       76       35   -0.39    0.23
## 14     14    -0.02    -0.22     0.18   20       57       56   -0.26    0.23
## 15     15    -0.01    -0.20     0.19   20       57       58   -0.25    0.24
## 16     16     0.03    -0.15     0.20   20       38       55   -0.18    0.26
## 17     17     0.03    -0.16     0.22   20       38       58   -0.20    0.28
## 18     18     0.03    -0.15     0.20   20       35       59   -0.18    0.25
## 19     19    -0.05    -0.27     0.17   20       63       45   -0.33    0.21
## 20     20    -0.01    -0.20     0.19   20       54       60   -0.25    0.24
## 21     21     0.02    -0.17     0.21   20       39       62   -0.21    0.26
## 22     22    -0.01    -0.20     0.18   20       47       62   -0.24    0.23
## 23     23     0.01    -0.18     0.20   20       38       64   -0.22    0.26
## 24     24     0.00    -0.19     0.18   20       43       66   -0.23    0.23
## 25     25    -0.20    -0.50     0.09   20       90       39   -0.58    0.09
## 26     26    -0.10    -0.39     0.18   20       83       35   -0.47    0.21
## 27     27    -0.20    -0.48     0.08   20       89       39   -0.56    0.08
## 28     28    -0.12    -0.41     0.17   20       80       38   -0.49    0.17
## 29     29    -0.14    -0.41     0.13   20       78       47   -0.49    0.13
## 30     30    -0.21    -0.47     0.06   20       81       40   -0.55    0.05
## 31     31    -0.24    -0.50     0.02   20       90       39   -0.57    0.01
## 32     32    -0.25    -0.50     0.00   20       86       42   -0.57   -0.02
```

```
## 33     33    -0.28    -0.51    -0.05   20       79       50   -0.58   -0.07
## 34     34    -0.25    -0.52     0.01   20       87       48   -0.60    0.00
## 35     35    -0.26    -0.54     0.01   20       81       50   -0.62    0.00
## 36     36    -0.21    -0.49     0.07   20       86       46   -0.57    0.07
## 37     37    -0.27    -0.54     0.01   20       79       54   -0.63   -0.01
## 38     38    -0.25    -0.53     0.03   20       81       50   -0.62    0.03
## 39     39    -0.20    -0.47     0.07   20       87       41   -0.55    0.08
## 40     40    -0.20    -0.47     0.06   20       83       44   -0.54    0.07
## 41     41    -0.19    -0.45     0.07   20       80       48   -0.53    0.08
## 42     42    -0.16    -0.41     0.10   20       79       47   -0.49    0.11
## 43     43    -0.13    -0.37     0.12   20       79       46   -0.44    0.14
## 44     44    -0.11    -0.33     0.11   20       76       41   -0.39    0.14
## 45     45    -0.10    -0.34     0.13   20       71       48   -0.40    0.16
## 46     46    -0.03    -0.25     0.18   20       70       44   -0.30    0.23
## 47     47    -0.11    -0.36     0.14   20       62       56   -0.44    0.17
## 48     48    -0.10    -0.36     0.15   20       57       57   -0.44    0.18
## 49     49    -0.09    -0.32     0.14   20       54       55   -0.39    0.17
## 50     50    -0.02    -0.23     0.19   20       68       42   -0.28    0.24
## 51     51     0.01    -0.21     0.23   20       69       38   -0.25    0.29
## 52     52    -0.08    -0.31     0.14   20       53       58   -0.38    0.17
## 53     53    -0.05    -0.25     0.16   20       59       54   -0.31    0.20
## 54     54     0.02    -0.19     0.23   20       66       44   -0.22    0.30
## 55     55     0.01    -0.19     0.22   20       63       50   -0.22    0.28
## 56     56     0.01    -0.19     0.21   20       59       53   -0.23    0.28
## 57     57     0.01    -0.17     0.20   20       59       56   -0.20    0.26
## 58     58     0.00    -0.15     0.16   20       64       51   -0.18    0.20
## 59     59    -0.01    -0.15     0.14   20       72       48   -0.19    0.19
## 60     60     0.00    -0.15     0.16   20       75       47   -0.19    0.21
## 61     61     0.00    -0.18     0.17   20       47       69   -0.21    0.23
## 62     62    -0.01    -0.17     0.15   20       54       64   -0.20    0.20
## 63     63    -0.01    -0.15     0.13   20       61       60   -0.18    0.17
## 64     64    -0.01    -0.16     0.14   20       47       70   -0.19    0.19
## 65     65     0.00    -0.16     0.17   20       52       68   -0.19    0.23
## 66     66    -0.02    -0.20     0.16   20       34       81   -0.23    0.21
## 67     67    -0.01    -0.19     0.17   20       40       71   -0.23    0.23
## 68     68    -0.02    -0.18     0.14   20       34       83   -0.22    0.19
## 69     69    -0.03    -0.17     0.12   20       39       79   -0.21    0.17
## 70     70     0.08    -0.11     0.28   20       77       43   -0.12    0.35
## 71     71     0.05    -0.14     0.25   20       69       53   -0.16    0.32
## 72     72     0.06    -0.14     0.27   20       53       63   -0.15    0.33
## 73     73     0.00    -0.17     0.17   20       45       70   -0.20    0.23
## 74     74     0.04    -0.15     0.24   20       49       65   -0.17    0.31
## 75     75     0.02    -0.17     0.20   20       45       71   -0.19    0.27
## 76     76     0.07    -0.15     0.30   20       51       69   -0.16    0.37
## 77     77     0.13    -0.12     0.38   20       63       65   -0.11    0.45
## 78     78     0.19    -0.08     0.46   20       69       61   -0.07    0.53
## 79     79     0.24    -0.05     0.54   20       79       52   -0.04    0.62
## 80     80     0.24    -0.05     0.54   20       80       55   -0.03    0.62
## 81     81     0.16    -0.13     0.44   20       82       60   -0.12    0.52
## 82     82     0.23    -0.07     0.54   20       93       47   -0.06    0.62
## 83     83     0.15    -0.14     0.43   20       83       57   -0.13    0.52
## 84     84     0.16    -0.13     0.45   20       92       51   -0.13    0.53
## 85     85     0.13    -0.14     0.41   20       86       55   -0.13    0.48
## 86     86     0.11    -0.15     0.37   20       84       61   -0.15    0.45
```

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## 87     87     0.09    -0.16     0.34   20       81       63   -0.15    0.41
## 88     88     0.06    -0.17     0.30   20       83       63   -0.17    0.37
## 89     89     0.04    -0.18     0.26   20       80       66   -0.19    0.33
## 90     90     0.01    -0.21     0.23   20       80       70   -0.22    0.30
## 91     91     0.00    -0.22     0.21   20       76       71   -0.23    0.28
## 92     92    -0.05    -0.25     0.14   20       69       74   -0.27    0.21
## 93     93    -0.02    -0.23     0.18   20       70       72   -0.25    0.25
## 94     94    -0.06    -0.25     0.13   20       69       72   -0.27    0.19
## 95     95    -0.07    -0.24     0.10   20       73       71   -0.27    0.15
## 96     96    -0.08    -0.25     0.08   20       76       67   -0.29    0.13
## 97     97    -0.10    -0.25     0.05   20       75       67   -0.30    0.09
## 98     98    -0.11    -0.25     0.04   20       78       67   -0.30    0.07
## 99     99    -0.11    -0.27     0.04   20       77       65   -0.32    0.08
## 100   100    -0.16    -0.34     0.02   20       86       64   -0.40    0.05
## 101   101    -0.17    -0.35     0.02   20       87       64   -0.41    0.05
## 102   102    -0.14    -0.31     0.03   20       83       64   -0.36    0.06
## 103   103    -0.19    -0.38     0.00   20       90       62   -0.44    0.02
## 104   104    -0.22    -0.44     0.01   20      100       55   -0.51    0.04
## 105   105    -0.24    -0.45    -0.03   20      104       55   -0.52   -0.01
## 106   106    -0.25    -0.44    -0.06   20      107       52   -0.50   -0.04
## 107   107    -0.25    -0.45    -0.04   20      111       49   -0.51   -0.03
## 108   108    -0.25    -0.45    -0.04   20      114       46   -0.52   -0.02
## 109   109    -0.24    -0.43    -0.04   20      114       46   -0.50   -0.02
## 110   110    -0.22    -0.41    -0.03   20      115       46   -0.47    0.00
## 111   111    -0.21    -0.39    -0.04   20      103       47   -0.44    0.00
##  [ reached 'max' / getOption("max.print") -- omitted 225 rows ]
## ------------------------------------------------------------
```

```
library(xtable)
xtable(finaltab)
```

```
## % latex table generated in R 4.0.3 by xtable 1.8-4 package
## % Fri Jun 16 14:59:08 2023
## \begin{table}[ht]
## \centering
## \begin{tabular}{rrrrrrrrrr}
##   \hline
##  & Point & Estimate & Conv-CIl & Conv-CIu & hfix & Ntr-hfix & Nco-hfix & Rob-CIl & Rob-CIu \\
##   \hline
## 1 &   1 & -0.23 & -0.44 & -0.02 & 20.00 &   9 &  34 & -0.51 & -0.01 \\
##   2 &   2 & 0.01 & -0.19 & 0.20 & 20.00 &  10 &  37 & -0.25 & 0.26 \\
##   3 &   3 & 0.01 & -0.17 & 0.19 & 20.00 &  14 &  39 & -0.23 & 0.25 \\
##   4 &   4 & 0.01 & -0.17 & 0.19 & 20.00 &  14 &  48 & -0.23 & 0.25 \\
##   5 &   5 & 0.01 & -0.17 & 0.19 & 20.00 &  20 &  49 & -0.23 & 0.25 \\
##   6 &   6 & 0.01 & -0.17 & 0.18 & 20.00 &  21 &  50 & -0.22 & 0.25 \\
##   7 &   7 & 0.01 & -0.16 & 0.18 & 20.00 &  21 &  49 & -0.21 & 0.24 \\
##   8 &   8 & 0.01 & -0.15 & 0.18 & 20.00 &  26 &  51 & -0.20 & 0.24 \\
##   9 &   9 & 0.02 & -0.15 & 0.18 & 20.00 &  28 &  48 & -0.20 & 0.24 \\
##   10 &  10 & 0.02 & -0.15 & 0.19 & 20.00 &  28 &  58 & -0.19 & 0.25 \\
##   11 &  11 & 0.02 & -0.15 & 0.19 & 20.00 &  30 &  61 & -0.19 & 0.24 \\
##   12 &  12 & 0.02 & -0.15 & 0.20 & 20.00 &  34 &  59 & -0.19 & 0.25 \\
##   13 &  13 & -0.06 & -0.32 & 0.19 & 20.00 &  76 &  35 & -0.39 & 0.23 \\
##   14 &  14 & -0.02 & -0.22 & 0.18 & 20.00 &  57 &  56 & -0.26 & 0.23 \\
##   15 &  15 & -0.01 & -0.20 & 0.19 & 20.00 &  57 &  58 & -0.25 & 0.24 \\
##   16 &  16 & 0.03 & -0.15 & 0.20 & 20.00 &  38 &  55 & -0.18 & 0.26 \\
```

```
##   17 &  17 & 0.03 & -0.16 & 0.22 & 20.00 &  38 &  58 & -0.20 & 0.28 \\
##   18 &  18 & 0.03 & -0.15 & 0.20 & 20.00 &  35 &  59 & -0.18 & 0.25 \\
##   19 &  19 & -0.05 & -0.27 & 0.17 & 20.00 &  63 &  45 & -0.33 & 0.21 \\
##   20 &  20 & -0.01 & -0.20 & 0.19 & 20.00 &  54 &  60 & -0.25 & 0.24 \\
##   21 &  21 & 0.02 & -0.17 & 0.21 & 20.00 &  39 &  62 & -0.21 & 0.26 \\
##   22 &  22 & -0.01 & -0.20 & 0.18 & 20.00 &  47 &  62 & -0.24 & 0.23 \\
##   23 &  23 & 0.01 & -0.18 & 0.20 & 20.00 &  38 &  64 & -0.22 & 0.26 \\
##   24 &  24 & -0.00 & -0.19 & 0.18 & 20.00 &  43 &  66 & -0.23 & 0.23 \\
##   25 &  25 & -0.20 & -0.50 & 0.09 & 20.00 &  90 &  39 & -0.58 & 0.09 \\
##   26 &  26 & -0.10 & -0.39 & 0.18 & 20.00 &  83 &  35 & -0.47 & 0.21 \\
##   27 &  27 & -0.20 & -0.48 & 0.08 & 20.00 &  89 &  39 & -0.56 & 0.08 \\
##   28 &  28 & -0.12 & -0.41 & 0.17 & 20.00 &  80 &  38 & -0.49 & 0.17 \\
##   29 &  29 & -0.14 & -0.41 & 0.13 & 20.00 &  78 &  47 & -0.49 & 0.13 \\
##   30 &  30 & -0.21 & -0.47 & 0.06 & 20.00 &  81 &  40 & -0.55 & 0.05 \\
##   31 &  31 & -0.24 & -0.50 & 0.02 & 20.00 &  90 &  39 & -0.57 & 0.01 \\
##   32 &  32 & -0.25 & -0.50 & -0.00 & 20.00 &  86 &  42 & -0.57 & -0.02 \\
##   33 &  33 & -0.28 & -0.51 & -0.05 & 20.00 &  79 &  50 & -0.58 & -0.07 \\
##   34 &  34 & -0.25 & -0.52 & 0.01 & 20.00 &  87 &  48 & -0.60 & -0.00 \\
##   35 &  35 & -0.26 & -0.54 & 0.01 & 20.00 &  81 &  50 & -0.62 & -0.00 \\
##   36 &  36 & -0.21 & -0.49 & 0.07 & 20.00 &  86 &  46 & -0.57 & 0.07 \\
##   37 &  37 & -0.27 & -0.54 & 0.01 & 20.00 &  79 &  54 & -0.63 & -0.01 \\
##   38 &  38 & -0.25 & -0.53 & 0.03 & 20.00 &  81 &  50 & -0.62 & 0.03 \\
##   39 &  39 & -0.20 & -0.47 & 0.07 & 20.00 &  87 &  41 & -0.55 & 0.08 \\
##   40 &  40 & -0.20 & -0.47 & 0.06 & 20.00 &  83 &  44 & -0.54 & 0.07 \\
##   41 &  41 & -0.19 & -0.45 & 0.07 & 20.00 &  80 &  48 & -0.53 & 0.08 \\
##   42 &  42 & -0.16 & -0.41 & 0.10 & 20.00 &  79 &  47 & -0.49 & 0.11 \\
##   43 &  43 & -0.13 & -0.37 & 0.12 & 20.00 &  79 &  46 & -0.44 & 0.14 \\
##   44 &  44 & -0.11 & -0.33 & 0.11 & 20.00 &  76 &  41 & -0.39 & 0.14 \\
##   45 &  45 & -0.10 & -0.34 & 0.13 & 20.00 &  71 &  48 & -0.40 & 0.16 \\
##   46 &  46 & -0.03 & -0.25 & 0.18 & 20.00 &  70 &  44 & -0.30 & 0.23 \\
##   47 &  47 & -0.11 & -0.36 & 0.14 & 20.00 &  62 &  56 & -0.44 & 0.17 \\
##   48 &  48 & -0.10 & -0.36 & 0.15 & 20.00 &  57 &  57 & -0.44 & 0.18 \\
##   49 &  49 & -0.09 & -0.32 & 0.14 & 20.00 &  54 &  55 & -0.39 & 0.17 \\
##   50 &  50 & -0.02 & -0.23 & 0.19 & 20.00 &  68 &  42 & -0.28 & 0.24 \\
##   51 &  51 & 0.01 & -0.21 & 0.23 & 20.00 &  69 &  38 & -0.25 & 0.29 \\
##   52 &  52 & -0.08 & -0.31 & 0.14 & 20.00 &  53 &  58 & -0.38 & 0.17 \\
##   53 &  53 & -0.05 & -0.25 & 0.16 & 20.00 &  59 &  54 & -0.31 & 0.20 \\
##   54 &  54 & 0.02 & -0.19 & 0.23 & 20.00 &  66 &  44 & -0.22 & 0.30 \\
##   55 &  55 & 0.01 & -0.19 & 0.22 & 20.00 &  63 &  50 & -0.22 & 0.28 \\
##   56 &  56 & 0.01 & -0.19 & 0.21 & 20.00 &  59 &  53 & -0.23 & 0.28 \\
##   57 &  57 & 0.01 & -0.17 & 0.20 & 20.00 &  59 &  56 & -0.20 & 0.26 \\
##   58 &  58 & 0.00 & -0.15 & 0.16 & 20.00 &  64 &  51 & -0.18 & 0.20 \\
##   59 &  59 & -0.01 & -0.15 & 0.14 & 20.00 &  72 &  48 & -0.19 & 0.19 \\
##   60 &  60 & 0.00 & -0.15 & 0.16 & 20.00 &  75 &  47 & -0.19 & 0.21 \\
##   61 &  61 & -0.00 & -0.18 & 0.17 & 20.00 &  47 &  69 & -0.21 & 0.23 \\
##   62 &  62 & -0.01 & -0.17 & 0.15 & 20.00 &  54 &  64 & -0.20 & 0.20 \\
##   63 &  63 & -0.01 & -0.15 & 0.13 & 20.00 &  61 &  60 & -0.18 & 0.17 \\
##   64 &  64 & -0.01 & -0.16 & 0.14 & 20.00 &  47 &  70 & -0.19 & 0.19 \\
##   65 &  65 & 0.00 & -0.16 & 0.17 & 20.00 &  52 &  68 & -0.19 & 0.23 \\
##   66 &  66 & -0.02 & -0.20 & 0.16 & 20.00 &  34 &  81 & -0.23 & 0.21 \\
##   67 &  67 & -0.01 & -0.19 & 0.17 & 20.00 &  40 &  71 & -0.23 & 0.23 \\
##   68 &  68 & -0.02 & -0.18 & 0.14 & 20.00 &  34 &  83 & -0.22 & 0.19 \\
##   69 &  69 & -0.03 & -0.17 & 0.12 & 20.00 &  39 &  79 & -0.21 & 0.17 \\
##   70 &  70 & 0.08 & -0.11 & 0.28 & 20.00 &  77 &  43 & -0.12 & 0.35 \\
```

```
##   71 &  71 & 0.05 & -0.14 & 0.25 & 20.00 &  69 &  53 & -0.16 & 0.32 \\
##   72 &  72 & 0.06 & -0.14 & 0.27 & 20.00 &  53 &  63 & -0.15 & 0.33 \\
##   73 &  73 & -0.00 & -0.17 & 0.17 & 20.00 &  45 &  70 & -0.20 & 0.23 \\
##   74 &  74 & 0.04 & -0.15 & 0.24 & 20.00 &  49 &  65 & -0.17 & 0.31 \\
##   75 &  75 & 0.02 & -0.17 & 0.20 & 20.00 &  45 &  71 & -0.19 & 0.27 \\
##   76 &  76 & 0.07 & -0.15 & 0.30 & 20.00 &  51 &  69 & -0.16 & 0.37 \\
##   77 &  77 & 0.13 & -0.12 & 0.38 & 20.00 &  63 &  65 & -0.11 & 0.45 \\
##   78 &  78 & 0.19 & -0.08 & 0.46 & 20.00 &  69 &  61 & -0.07 & 0.53 \\
##   79 &  79 & 0.24 & -0.05 & 0.54 & 20.00 &  79 &  52 & -0.04 & 0.62 \\
##   80 &  80 & 0.24 & -0.05 & 0.54 & 20.00 &  80 &  55 & -0.03 & 0.62 \\
##   81 &  81 & 0.16 & -0.13 & 0.44 & 20.00 &  82 &  60 & -0.12 & 0.52 \\
##   82 &  82 & 0.23 & -0.07 & 0.54 & 20.00 &  93 &  47 & -0.06 & 0.62 \\
##   83 &  83 & 0.15 & -0.14 & 0.43 & 20.00 &  83 &  57 & -0.13 & 0.52 \\
##   84 &  84 & 0.16 & -0.13 & 0.45 & 20.00 &  92 &  51 & -0.13 & 0.53 \\
##   85 &  85 & 0.13 & -0.14 & 0.41 & 20.00 &  86 &  55 & -0.13 & 0.48 \\
##   86 &  86 & 0.11 & -0.15 & 0.37 & 20.00 &  84 &  61 & -0.15 & 0.45 \\
##   87 &  87 & 0.09 & -0.16 & 0.34 & 20.00 &  81 &  63 & -0.15 & 0.41 \\
##   88 &  88 & 0.06 & -0.17 & 0.30 & 20.00 &  83 &  63 & -0.17 & 0.37 \\
##   89 &  89 & 0.04 & -0.18 & 0.26 & 20.00 &  80 &  66 & -0.19 & 0.33 \\
##   90 &  90 & 0.01 & -0.21 & 0.23 & 20.00 &  80 &  70 & -0.22 & 0.30 \\
##   91 &  91 & -0.00 & -0.22 & 0.21 & 20.00 &  76 &  71 & -0.23 & 0.28 \\
##   92 &  92 & -0.05 & -0.25 & 0.14 & 20.00 &  69 &  74 & -0.27 & 0.21 \\
##   93 &  93 & -0.02 & -0.23 & 0.18 & 20.00 &  70 &  72 & -0.25 & 0.25 \\
##   94 &  94 & -0.06 & -0.25 & 0.13 & 20.00 &  69 &  72 & -0.27 & 0.19 \\
##   95 &  95 & -0.07 & -0.24 & 0.10 & 20.00 &  73 &  71 & -0.27 & 0.15 \\
##   96 &  96 & -0.08 & -0.25 & 0.08 & 20.00 &  76 &  67 & -0.29 & 0.13 \\
##   97 &  97 & -0.10 & -0.25 & 0.05 & 20.00 &  75 &  67 & -0.30 & 0.09 \\
##   98 &  98 & -0.11 & -0.25 & 0.04 & 20.00 &  78 &  67 & -0.30 & 0.07 \\
##   99 &  99 & -0.11 & -0.27 & 0.04 & 20.00 &  77 &  65 & -0.32 & 0.08 \\
##  100 & 100 & -0.16 & -0.34 & 0.02 & 20.00 &  86 &  64 & -0.40 & 0.05 \\
##  101 & 101 & -0.17 & -0.35 & 0.02 & 20.00 &  87 &  64 & -0.41 & 0.05 \\
##  102 & 102 & -0.14 & -0.31 & 0.03 & 20.00 &  83 &  64 & -0.36 & 0.06 \\
##  103 & 103 & -0.19 & -0.38 & -0.00 & 20.00 &  90 &  62 & -0.44 & 0.02 \\
##  104 & 104 & -0.22 & -0.44 & 0.01 & 20.00 & 100 &  55 & -0.51 & 0.04 \\
##  105 & 105 & -0.24 & -0.45 & -0.03 & 20.00 & 104 &  55 & -0.52 & -0.01 \\
##  106 & 106 & -0.25 & -0.44 & -0.06 & 20.00 & 107 &  52 & -0.50 & -0.04 \\
##  107 & 107 & -0.25 & -0.45 & -0.04 & 20.00 & 111 &  49 & -0.51 & -0.03 \\
##  108 & 108 & -0.25 & -0.45 & -0.04 & 20.00 & 114 &  46 & -0.52 & -0.02 \\
##  109 & 109 & -0.24 & -0.43 & -0.04 & 20.00 & 114 &  46 & -0.50 & -0.02 \\
##  110 & 110 & -0.22 & -0.41 & -0.03 & 20.00 & 115 &  46 & -0.47 & 0.00 \\
##  111 & 111 & -0.21 & -0.39 & -0.04 & 20.00 & 103 &  47 & -0.44 & -0.00 \\
##  112 & 112 & -0.22 & -0.40 & -0.04 & 20.00 &  94 &  60 & -0.46 & -0.01 \\
##  113 & 113 & -0.21 & -0.37 & -0.05 & 20.00 &  79 &  78 & -0.41 & -0.02 \\
##  114 & 114 & -0.21 & -0.37 & -0.05 & 20.00 &  60 &  89 & -0.41 & -0.02 \\
##  115 & 115 & -0.19 & -0.34 & -0.04 & 20.00 &  57 &  92 & -0.38 & 0.00 \\
##  116 & 116 & -0.17 & -0.31 & -0.04 & 20.00 &  55 &  93 & -0.33 & 0.00 \\
##  117 & 117 & -0.17 & -0.30 & -0.03 & 20.00 &  44 &  92 & -0.33 & 0.01 \\
##  118 & 118 & -0.17 & -0.30 & -0.03 & 20.00 &  43 &  91 & -0.33 & 0.01 \\
##  119 & 119 & -0.17 & -0.30 & -0.03 & 20.00 &  50 &  94 & -0.32 & 0.01 \\
##  120 & 120 & -0.16 & -0.29 & -0.03 & 20.00 &  55 &  89 & -0.32 & 0.01 \\
##  121 & 121 & -0.16 & -0.29 & -0.03 & 20.00 &  53 &  96 & -0.32 & 0.01 \\
##  122 & 122 & -0.16 & -0.30 & -0.02 & 20.00 &  58 &  96 & -0.33 & 0.02 \\
##  123 & 123 & -0.16 & -0.30 & -0.02 & 20.00 &  68 &  94 & -0.33 & 0.02 \\
##  124 & 124 & -0.16 & -0.30 & -0.02 & 20.00 &  73 &  91 & -0.33 & 0.02 \\
```

```
##   125 & 125 & -0.16 & -0.31 & -0.01 & 20.00 &  77 &  90 & -0.33 & 0.04 \\
##   126 & 126 & -0.15 & -0.31 & -0.00 & 20.00 &  79 &  90 & -0.33 & 0.04 \\
##   127 & 127 & -0.16 & -0.30 & -0.01 & 20.00 &  87 &  85 & -0.33 & 0.03 \\
##   128 & 128 & -0.13 & -0.29 & 0.03 & 20.00 & 104 &  70 & -0.32 & 0.08 \\
##   129 & 129 & -0.15 & -0.30 & -0.00 & 20.00 &  91 &  79 & -0.34 & 0.04 \\
##   130 & 130 & -0.14 & -0.29 & 0.01 & 20.00 &  98 &  76 & -0.32 & 0.05 \\
##   131 & 131 & -0.13 & -0.29 & 0.04 & 20.00 & 106 &  70 & -0.32 & 0.09 \\
##   132 & 132 & -0.12 & -0.29 & 0.05 & 20.00 & 111 &  69 & -0.31 & 0.10 \\
##   133 & 133 & -0.11 & -0.27 & 0.05 & 20.00 & 115 &  62 & -0.28 & 0.10 \\
##   134 & 134 & -0.10 & -0.27 & 0.06 & 20.00 & 117 &  60 & -0.28 & 0.11 \\
##   135 & 135 & -0.10 & -0.28 & 0.08 & 20.00 & 120 &  59 & -0.30 & 0.13 \\
##   136 & 136 & -0.11 & -0.29 & 0.07 & 20.00 & 115 &  62 & -0.32 & 0.13 \\
##   137 & 137 & -0.12 & -0.29 & 0.05 & 20.00 & 109 &  68 & -0.32 & 0.10 \\
##   138 & 138 & -0.15 & -0.31 & 0.00 & 20.00 &  98 &  88 & -0.34 & 0.05 \\
##   139 & 139 & -0.14 & -0.31 & 0.03 & 20.00 & 103 &  80 & -0.35 & 0.08 \\
##   140 & 140 & -0.15 & -0.31 & 0.01 & 20.00 & 100 &  87 & -0.35 & 0.06 \\
##   141 & 141 & -0.15 & -0.31 & 0.00 & 20.00 &  90 &  92 & -0.34 & 0.05 \\
##   142 & 142 & -0.16 & -0.30 & -0.01 & 20.00 &  91 &  93 & -0.34 & 0.03 \\
##   143 & 143 & -0.16 & -0.32 & -0.01 & 20.00 &  89 &  94 & -0.35 & 0.04 \\
##   144 & 144 & -0.18 & -0.32 & -0.04 & 20.00 &  62 & 121 & -0.34 & 0.00 \\
##   145 & 145 & -0.18 & -0.32 & -0.05 & 20.00 &  59 & 115 & -0.35 & -0.02 \\
##   146 & 146 & -0.19 & -0.32 & -0.05 & 20.00 &  63 & 110 & -0.36 & -0.02 \\
##   147 & 147 & -0.18 & -0.32 & -0.03 & 20.00 &  64 & 122 & -0.35 & 0.00 \\
##   148 & 148 & -0.17 & -0.32 & -0.03 & 20.00 &  65 & 112 & -0.35 & 0.00 \\
##   149 & 149 & -0.17 & -0.31 & -0.03 & 20.00 &  71 & 110 & -0.35 & 0.00 \\
##   150 & 150 & -0.18 & -0.32 & -0.05 & 20.00 &  63 & 109 & -0.36 & -0.02 \\
##   151 & 151 & -0.17 & -0.31 & -0.03 & 20.00 &  73 & 109 & -0.35 & 0.00 \\
##   152 & 152 & -0.17 & -0.31 & -0.03 & 20.00 &  74 & 102 & -0.35 & 0.00 \\
##   153 & 153 & -0.19 & -0.33 & -0.05 & 20.00 &  65 & 111 & -0.37 & -0.02 \\
##   154 & 154 & -0.19 & -0.33 & -0.04 & 20.00 &  67 & 104 & -0.37 & -0.02 \\
##   155 & 155 & -0.19 & -0.32 & -0.05 & 20.00 &  67 & 102 & -0.37 & -0.02 \\
##   156 & 156 & -0.16 & -0.30 & -0.02 & 20.00 &  81 &  98 & -0.34 & 0.01 \\
##   157 & 157 & -0.19 & -0.33 & -0.04 & 20.00 &  66 & 101 & -0.37 & -0.02 \\
##   158 & 158 & -0.18 & -0.33 & -0.04 & 20.00 &  72 &  96 & -0.37 & -0.01 \\
##   159 & 159 & -0.17 & -0.31 & -0.03 & 20.00 &  75 & 101 & -0.35 & 0.00 \\
##   160 & 160 & -0.18 & -0.32 & -0.03 & 20.00 &  75 &  95 & -0.37 & -0.01 \\
##   161 & 161 & -0.17 & -0.31 & -0.02 & 20.00 &  99 &  78 & -0.36 & 0.00 \\
##   162 & 162 & -0.16 & -0.32 & -0.01 & 20.00 & 114 &  65 & -0.37 & 0.02 \\
##   163 & 163 & -0.17 & -0.31 & -0.02 & 20.00 & 111 &  65 & -0.36 & 0.00 \\
##   164 & 164 & -0.19 & -0.34 & -0.04 & 20.00 &  72 & 100 & -0.39 & -0.02 \\
##   165 & 165 & -0.18 & -0.33 & -0.03 & 20.00 &  79 &  91 & -0.38 & -0.01 \\
##   166 & 166 & -0.19 & -0.33 & -0.04 & 20.00 &  81 &  89 & -0.38 & -0.02 \\
##   167 & 167 & -0.17 & -0.31 & -0.03 & 20.00 & 104 &  76 & -0.36 & -0.01 \\
##   168 & 168 & -0.18 & -0.32 & -0.03 & 20.00 & 101 &  78 & -0.38 & -0.01 \\
##   169 & 169 & -0.18 & -0.32 & -0.04 & 20.00 & 108 &  74 & -0.37 & -0.02 \\
##   170 & 170 & -0.19 & -0.34 & -0.04 & 20.00 & 122 &  67 & -0.39 & -0.03 \\
##   171 & 171 & -0.19 & -0.32 & -0.05 & 20.00 & 109 &  74 & -0.37 & -0.04 \\
##   172 & 172 & -0.19 & -0.33 & -0.05 & 20.00 & 112 &  71 & -0.38 & -0.04 \\
##   173 & 173 & -0.19 & -0.36 & -0.02 & 20.00 & 122 &  58 & -0.42 & -0.00 \\
##   174 & 174 & -0.24 & -0.46 & -0.02 & 20.00 &  44 & 124 & -0.53 & -0.01 \\
##   175 & 175 & -0.24 & -0.48 & -0.01 & 20.00 &  42 & 128 & -0.55 & 0.00 \\
##   176 & 176 & -0.25 & -0.48 & -0.01 & 20.00 &  46 & 127 & -0.55 & 0.01 \\
##   177 & 177 & -0.24 & -0.45 & -0.03 & 20.00 &  51 & 118 & -0.52 & -0.02 \\
##   178 & 178 & -0.24 & -0.45 & -0.04 & 20.00 &  61 & 112 & -0.52 & -0.03 \\
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##   179 & 179 & -0.25 & -0.45 & -0.04 & 20.00 &  71 & 100 & -0.52 & -0.04 \\
##   180 & 180 & -0.27 & -0.46 & -0.07 & 20.00 &  88 &  93 & -0.52 & -0.07 \\
##   181 & 181 & -0.27 & -0.48 & -0.07 & 20.00 & 101 &  85 & -0.54 & -0.07 \\
##   182 & 182 & -0.24 & -0.49 & 0.00 & 20.00 &  47 & 137 & -0.56 & 0.02 \\
##   183 & 183 & -0.24 & -0.49 & 0.00 & 20.00 &  50 & 135 & -0.56 & 0.02 \\
##   184 & 184 & -0.25 & -0.49 & -0.02 & 20.00 &  46 & 134 & -0.56 & -0.00 \\
##   185 & 185 & -0.25 & -0.51 & 0.02 & 20.00 &  48 & 133 & -0.58 & 0.04 \\
##   186 & 186 & -0.23 & -0.47 & 0.01 & 20.00 &  54 & 131 & -0.54 & 0.04 \\
##   187 & 187 & -0.20 & -0.37 & -0.03 & 20.00 & 110 &  64 & -0.43 & -0.00 \\
##   188 & 188 & -0.21 & -0.39 & -0.02 & 20.00 & 117 &  55 & -0.45 & -0.00 \\
##   189 & 189 & -0.21 & -0.41 & -0.01 & 20.00 & 121 &  45 & -0.48 & 0.02 \\
##   190 & 190 & -0.20 & -0.41 & 0.02 & 20.00 & 127 &  37 & -0.48 & 0.04 \\
##   191 & 191 & -0.23 & -0.46 & 0.01 & 20.00 &  66 & 120 & -0.53 & 0.04 \\
##   192 & 192 & -0.22 & -0.45 & 0.00 & 20.00 &  67 & 118 & -0.52 & 0.03 \\
##   193 & 193 & -0.22 & -0.45 & 0.00 & 20.00 &  72 & 118 & -0.51 & 0.03 \\
##   194 & 194 & -0.23 & -0.44 & -0.01 & 20.00 &  81 & 103 & -0.51 & 0.01 \\
##   195 & 195 & -0.24 & -0.46 & -0.03 & 20.00 &  92 & 103 & -0.52 & -0.01 \\
##   196 & 196 & -0.18 & -0.41 & 0.04 & 20.00 & 124 &  34 & -0.49 & 0.07 \\
##   197 & 197 & -0.23 & -0.43 & -0.04 & 20.00 &  99 &  61 & -0.50 & -0.03 \\
##   198 & 198 & -0.25 & -0.44 & -0.06 & 20.00 &  91 &  71 & -0.50 & -0.06 \\
##   199 & 199 & -0.24 & -0.43 & -0.05 & 20.00 &  92 &  67 & -0.50 & -0.04 \\
##   200 & 200 & -0.24 & -0.41 & -0.07 & 20.00 &  96 &  72 & -0.47 & -0.07 \\
##   201 & 201 & -0.24 & -0.43 & -0.06 & 20.00 &  95 &  70 & -0.49 & -0.06 \\
##   202 & 202 & -0.24 & -0.41 & -0.07 & 20.00 &  97 &  71 & -0.47 & -0.07 \\
##   203 & 203 & -0.28 & -0.47 & -0.08 & 20.00 & 106 &  76 & -0.54 & -0.07 \\
##   204 & 204 & -0.23 & -0.44 & -0.02 & 20.00 &  95 &  99 & -0.51 & -0.00 \\
##   205 & 205 & -0.21 & -0.39 & -0.02 & 20.00 & 100 & 100 & -0.44 & -0.01 \\
##   206 & 206 & -0.17 & -0.37 & 0.03 & 20.00 &  64 & 117 & -0.43 & 0.05 \\
##   207 & 207 & -0.17 & -0.37 & 0.03 & 20.00 &  60 & 114 & -0.43 & 0.06 \\
##   208 & 208 & -0.17 & -0.37 & 0.02 & 20.00 &  59 & 115 & -0.42 & 0.05 \\
##   209 & 209 & -0.17 & -0.36 & 0.02 & 20.00 &  67 & 114 & -0.41 & 0.04 \\
##   210 & 210 & -0.17 & -0.35 & 0.01 & 20.00 &  80 & 109 & -0.40 & 0.03 \\
##   211 & 211 & -0.17 & -0.35 & 0.01 & 20.00 &  74 & 111 & -0.40 & 0.04 \\
##   212 & 212 & -0.17 & -0.35 & 0.01 & 20.00 &  68 & 114 & -0.41 & 0.04 \\
##   213 & 213 & -0.17 & -0.36 & 0.02 & 20.00 &  55 & 116 & -0.42 & 0.05 \\
##   214 & 214 & -0.18 & -0.37 & 0.01 & 20.00 &  44 & 128 & -0.42 & 0.04 \\
##   215 & 215 & -0.17 & -0.33 & -0.01 & 20.00 &  51 & 125 & -0.38 & 0.01 \\
##   216 & 216 & -0.18 & -0.40 & 0.05 & 20.00 & 124 &  37 & -0.48 & 0.07 \\
##   217 & 217 & -0.20 & -0.41 & 0.02 & 20.00 & 116 &  40 & -0.48 & 0.03 \\
##   218 & 218 & -0.19 & -0.41 & 0.04 & 20.00 & 119 &  38 & -0.49 & 0.06 \\
##   219 & 219 & -0.19 & -0.41 & 0.02 & 20.00 & 112 &  41 & -0.48 & 0.04 \\
##   220 & 220 & -0.22 & -0.43 & -0.01 & 20.00 & 102 &  54 & -0.50 & 0.00 \\
##   221 & 221 & -0.21 & -0.42 & 0.01 & 20.00 & 110 &  51 & -0.49 & 0.02 \\
##   222 & 222 & -0.23 & -0.40 & -0.06 & 20.00 & 109 &  60 & -0.46 & -0.06 \\
##   223 & 223 & -0.23 & -0.40 & -0.06 & 20.00 &  97 &  67 & -0.46 & -0.06 \\
##   224 & 224 & -0.23 & -0.40 & -0.06 & 20.00 & 103 &  62 & -0.46 & -0.07 \\
##   225 & 225 & -0.18 & -0.38 & 0.01 & 20.00 &  34 & 129 & -0.44 & 0.04 \\
##   226 & 226 & -0.18 & -0.37 & -0.00 & 20.00 &  34 & 127 & -0.42 & 0.02 \\
##   227 & 227 & -0.18 & -0.37 & 0.01 & 20.00 &  40 & 127 & -0.42 & 0.04 \\
##   228 & 228 & -0.18 & -0.34 & -0.01 & 20.00 &  40 & 130 & -0.39 & 0.01 \\
##   229 & 229 & -0.17 & -0.34 & -0.00 & 20.00 &  85 & 105 & -0.40 & 0.02 \\
##   230 & 230 & -0.17 & -0.32 & -0.01 & 20.00 &  91 & 100 & -0.38 & 0.00 \\
##   231 & 231 & -0.20 & -0.41 & 0.02 & 20.00 & 118 &  42 & -0.48 & 0.03 \\
##   232 & 232 & -0.24 & -0.43 & -0.06 & 20.00 & 108 &  73 & -0.49 & -0.05 \\
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##   233 & 233 & -0.16 & -0.30 & -0.02 & 20.00 &  55 & 118 & -0.35 & -0.01 \\
##   234 & 234 & -0.15 & -0.31 & 0.00 & 20.00 &  58 & 112 & -0.36 & 0.03 \\
##   235 & 235 & -0.19 & -0.42 & 0.04 & 20.00 & 117 &  40 & -0.50 & 0.06 \\
##   236 & 236 & -0.22 & -0.38 & -0.06 & 20.00 & 110 &  70 & -0.44 & -0.05 \\
##   237 & 237 & -0.22 & -0.38 & -0.06 & 20.00 & 105 &  72 & -0.44 & -0.06 \\
##   238 & 238 & -0.15 & -0.31 & 0.00 & 20.00 &  61 & 112 & -0.36 & 0.02 \\
##   239 & 239 & -0.18 & -0.34 & -0.02 & 20.00 & 105 &  95 & -0.40 & -0.01 \\
##   240 & 240 & -0.16 & -0.31 & -0.02 & 20.00 &  91 &  96 & -0.36 & -0.01 \\
##   241 & 241 & -0.23 & -0.41 & -0.05 & 20.00 & 111 &  60 & -0.47 & -0.04 \\
##   242 & 242 & -0.23 & -0.41 & -0.04 & 20.00 & 112 &  63 & -0.48 & -0.04 \\
##   243 & 243 & -0.22 & -0.39 & -0.05 & 20.00 & 112 &  68 & -0.46 & -0.05 \\
##   244 & 244 & -0.22 & -0.40 & -0.05 & 20.00 & 113 &  65 & -0.47 & -0.04 \\
##   245 & 245 & -0.23 & -0.41 & -0.05 & 20.00 & 115 &  64 & -0.47 & -0.04 \\
##   246 & 246 & -0.15 & -0.31 & 0.00 & 20.00 &  61 & 112 & -0.35 & 0.03 \\
##   247 & 247 & -0.16 & -0.30 & -0.02 & 20.00 &  91 &  95 & -0.35 & -0.01 \\
##   248 & 248 & -0.16 & -0.30 & -0.03 & 20.00 &  91 &  95 & -0.34 & -0.02 \\
##   249 & 249 & -0.17 & -0.31 & -0.02 & 20.00 &  94 &  91 & -0.36 & -0.02 \\
##   250 & 250 & -0.17 & -0.32 & -0.01 & 20.00 & 107 &  85 & -0.37 & -0.00 \\
##   251 & 251 & -0.16 & -0.32 & -0.01 & 20.00 & 106 &  83 & -0.38 & 0.01 \\
##   252 & 252 & -0.16 & -0.31 & -0.02 & 20.00 & 102 &  84 & -0.36 & -0.01 \\
##   253 & 253 & -0.15 & -0.31 & 0.02 & 20.00 &  62 & 107 & -0.35 & 0.06 \\
##   254 & 254 & -0.14 & -0.31 & 0.03 & 20.00 &  61 & 103 & -0.33 & 0.08 \\
##   255 & 255 & -0.13 & -0.31 & 0.04 & 20.00 &  65 & 102 & -0.32 & 0.09 \\
##   256 & 256 & -0.16 & -0.33 & 0.00 & 20.00 & 107 &  82 & -0.38 & 0.02 \\
##   257 & 257 & -0.13 & -0.31 & 0.05 & 20.00 &  70 &  96 & -0.32 & 0.11 \\
##   258 & 258 & -0.12 & -0.30 & 0.06 & 20.00 &  73 &  94 & -0.31 & 0.12 \\
##   259 & 259 & -0.12 & -0.31 & 0.07 & 20.00 &  74 &  92 & -0.32 & 0.13 \\
##   260 & 260 & -0.12 & -0.32 & 0.08 & 20.00 &  79 &  88 & -0.33 & 0.14 \\
##   261 & 261 & -0.11 & -0.32 & 0.10 & 20.00 &  89 &  79 & -0.33 & 0.16 \\
##   262 & 262 & -0.11 & -0.31 & 0.10 & 20.00 & 100 &  65 & -0.32 & 0.16 \\
##   263 & 263 & -0.12 & -0.34 & 0.09 & 20.00 & 120 &  57 & -0.36 & 0.16 \\
##   264 & 264 & -0.12 & -0.34 & 0.09 & 20.00 & 128 &  51 & -0.36 & 0.16 \\
##   265 & 265 & -0.12 & -0.34 & 0.10 & 20.00 & 130 &  47 & -0.36 & 0.17 \\
##   266 & 266 & -0.12 & -0.34 & 0.10 & 20.00 & 128 &  46 & -0.36 & 0.16 \\
##   267 & 267 & -0.12 & -0.34 & 0.10 & 20.00 & 131 &  47 & -0.36 & 0.16 \\
##   268 & 268 & -0.11 & -0.32 & 0.09 & 20.00 & 108 &  59 & -0.34 & 0.16 \\
##   269 & 269 & -0.12 & -0.34 & 0.11 & 20.00 & 114 &  55 & -0.36 & 0.17 \\
##   270 & 270 & -0.11 & -0.33 & 0.10 & 20.00 & 111 &  56 & -0.35 & 0.16 \\
##   271 & 271 & -0.12 & -0.34 & 0.10 & 20.00 & 133 &  44 & -0.37 & 0.16 \\
##   272 & 272 & -0.12 & -0.35 & 0.11 & 20.00 & 135 &  43 & -0.37 & 0.17 \\
##   273 & 273 & -0.12 & -0.36 & 0.12 & 20.00 & 139 &  41 & -0.39 & 0.19 \\
##   274 & 274 & -0.11 & -0.33 & 0.12 & 20.00 & 139 &  36 & -0.36 & 0.18 \\
##   275 & 275 & -0.11 & -0.34 & 0.12 & 20.00 & 140 &  33 & -0.36 & 0.19 \\
##   276 & 276 & -0.11 & -0.34 & 0.13 & 20.00 & 139 &  32 & -0.36 & 0.19 \\
##   277 & 277 & -0.08 & -0.31 & 0.16 & 20.00 &  81 &  69 & -0.33 & 0.23 \\
##   278 & 278 & -0.08 & -0.30 & 0.15 & 20.00 &  84 &  68 & -0.32 & 0.22 \\
##   279 & 279 & -0.08 & -0.29 & 0.13 & 20.00 &  90 &  65 & -0.31 & 0.20 \\
##   280 & 280 & -0.08 & -0.31 & 0.16 & 20.00 &  76 &  68 & -0.33 & 0.24 \\
##   281 & 281 & -0.10 & -0.34 & 0.14 & 20.00 & 138 &  31 & -0.37 & 0.21 \\
##   282 & 282 & -0.08 & -0.31 & 0.14 & 20.00 &  93 &  61 & -0.32 & 0.21 \\
##   283 & 283 & -0.07 & -0.30 & 0.17 & 20.00 &  76 &  65 & -0.31 & 0.24 \\
##   284 & 284 & -0.07 & -0.29 & 0.16 & 20.00 &  86 &  60 & -0.30 & 0.23 \\
##   285 & 285 & -0.10 & -0.34 & 0.13 & 20.00 & 129 &  30 & -0.37 & 0.20 \\
##   286 & 286 & -0.10 & -0.31 & 0.12 & 20.00 & 106 &  39 & -0.33 & 0.19 \\
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##   287 & 287 & -0.10 & -0.31 & 0.12 & 20.00 & 113 &  40 & -0.33 & 0.18 \\
##   288 & 288 & -0.10 & -0.33 & 0.12 & 20.00 & 116 &  35 & -0.35 & 0.19 \\
##   289 & 289 & -0.11 & -0.33 & 0.12 & 20.00 & 126 &  34 & -0.36 & 0.19 \\
##   290 & 290 & -0.10 & -0.31 & 0.12 & 20.00 & 107 &  37 & -0.33 & 0.19 \\
##   291 & 291 & -0.10 & -0.33 & 0.12 & 20.00 & 109 &  33 & -0.36 & 0.20 \\
##   292 & 292 & -0.05 & -0.28 & 0.19 & 20.00 &  64 &  67 & -0.30 & 0.26 \\
##   293 & 293 & -0.05 & -0.27 & 0.16 & 20.00 &  44 &  61 & -0.29 & 0.23 \\
##   294 & 294 & -0.11 & -0.34 & 0.12 & 20.00 & 120 &  30 & -0.38 & 0.20 \\
##   295 & 295 & -0.06 & -0.28 & 0.16 & 20.00 &  85 &  57 & -0.29 & 0.23 \\
##   296 & 296 & -0.07 & -0.28 & 0.14 & 20.00 &  86 &  54 & -0.29 & 0.21 \\
##   297 & 297 & -0.08 & -0.30 & 0.15 & 20.00 &  90 &  51 & -0.32 & 0.22 \\
##   298 & 298 & -0.07 & -0.29 & 0.15 & 20.00 &  49 &  55 & -0.32 & 0.23 \\
##   299 & 299 & -0.09 & -0.31 & 0.14 & 20.00 &  89 &  45 & -0.33 & 0.21 \\
##   300 & 300 & -0.07 & -0.30 & 0.16 & 20.00 &  85 &  50 & -0.32 & 0.23 \\
##   301 & 301 & -0.09 & -0.32 & 0.13 & 20.00 &  93 &  42 & -0.34 & 0.21 \\
##   302 & 302 & -0.11 & -0.34 & 0.12 & 20.00 & 106 &  30 & -0.38 & 0.20 \\
##   303 & 303 & -0.10 & -0.33 & 0.13 & 20.00 &  98 &  40 & -0.36 & 0.20 \\
##   304 & 304 & -0.10 & -0.33 & 0.12 & 20.00 & 102 &  40 & -0.36 & 0.19 \\
##   305 & 305 & -0.08 & -0.30 & 0.13 & 20.00 &  46 &  53 & -0.33 & 0.20 \\
##   306 & 306 & -0.11 & -0.30 & 0.07 & 20.00 &  51 &  42 & -0.34 & 0.13 \\
##   307 & 307 & -0.13 & -0.33 & 0.06 & 20.00 &  47 &  40 & -0.39 & 0.11 \\
##   308 & 308 & -0.14 & -0.34 & 0.05 & 20.00 &  48 &  34 & -0.40 & 0.09 \\
##   309 & 309 & -0.16 & -0.36 & 0.04 & 20.00 &  49 &  31 & -0.42 & 0.07 \\
##   310 & 310 & -0.16 & -0.36 & 0.04 & 20.00 &  40 &  29 & -0.43 & 0.07 \\
##   311 & 311 & -0.15 & -0.35 & 0.05 & 20.00 &  31 &  35 & -0.42 & 0.09 \\
##   312 & 312 & -0.14 & -0.34 & 0.06 & 20.00 &  28 &  40 & -0.41 & 0.09 \\
##   313 & 313 & -0.13 & -0.32 & 0.05 & 20.00 &  29 &  43 & -0.38 & 0.09 \\
##   314 & 314 & -0.14 & -0.31 & 0.04 & 20.00 &  36 &  39 & -0.38 & 0.07 \\
##   315 & 315 & -0.15 & -0.33 & 0.04 & 20.00 &  39 &  32 & -0.40 & 0.07 \\
##   316 & 316 & -0.14 & -0.32 & 0.04 & 20.00 &  39 &  27 & -0.39 & 0.07 \\
##   317 & 317 & -0.14 & -0.31 & 0.03 & 20.00 &  42 &  28 & -0.37 & 0.06 \\
##   318 & 318 & -0.14 & -0.31 & 0.03 & 20.00 &  45 &  19 & -0.37 & 0.06 \\
##   319 & 319 & -0.15 & -0.32 & 0.02 & 20.00 &  57 &  18 & -0.38 & 0.06 \\
##   320 & 320 & -0.16 & -0.34 & 0.02 & 20.00 &  59 &  17 & -0.40 & 0.06 \\
##   321 & 321 & -0.14 & -0.32 & 0.04 & 20.00 &  57 &  18 & -0.37 & 0.10 \\
##   322 & 322 & -0.13 & -0.33 & 0.07 & 20.00 &  60 &  27 & -0.37 & 0.13 \\
##   323 & 323 & -0.12 & -0.33 & 0.08 & 20.00 &  56 &  29 & -0.36 & 0.15 \\
##   324 & 324 & -0.10 & -0.35 & 0.16 & 20.00 &  56 &  43 & -0.38 & 0.24 \\
##   325 & 325 & -0.06 & -0.34 & 0.22 & 20.00 &  49 &  46 & -0.38 & 0.30 \\
##   326 & 326 & -0.03 & -0.31 & 0.26 & 20.00 &  48 &  45 & -0.36 & 0.33 \\
##   327 & 327 & -0.01 & -0.28 & 0.25 & 20.00 &  47 &  48 & -0.31 & 0.32 \\
##   328 & 328 & 0.02 & -0.24 & 0.29 & 20.00 &  41 &  46 & -0.27 & 0.37 \\
##   329 & 329 & 0.03 & -0.24 & 0.30 & 20.00 &  40 &  47 & -0.26 & 0.38 \\
##   330 & 330 & 0.01 & -0.27 & 0.30 & 20.00 &  40 &  48 & -0.30 & 0.38 \\
##   331 & 331 & 0.07 & -0.18 & 0.32 & 20.00 &  34 &  43 & -0.20 & 0.39 \\
##   332 & 332 & 0.05 & -0.19 & 0.29 & 20.00 &  39 &  46 & -0.20 & 0.36 \\
##   333 & 333 & 0.07 & -0.18 & 0.31 & 20.00 &  34 &  43 & -0.20 & 0.38 \\
##   334 & 334 & 0.07 & -0.18 & 0.32 & 20.00 &  34 &  43 & -0.20 & 0.39 \\
##   335 & 335 & 0.07 & -0.19 & 0.34 & 20.00 &  38 &  42 & -0.20 & 0.41 \\
##   336 & 336 & 0.09 & -0.20 & 0.37 & 20.00 &  31 &  43 & -0.21 & 0.45 \\
##    \hline
## \end{tabular}
## \end{table}
```

```
finaltab[2]
```

```
##     Estimate
## 1      -0.23
## 2       0.01
## 3       0.01
## 4       0.01
## 5       0.01
## 6       0.01
## 7       0.01
## 8       0.01
## 9       0.02
## 10      0.02
## 11      0.02
## 12      0.02
## 13     -0.06
## 14     -0.02
## 15     -0.01
## 16      0.03
## 17      0.03
## 18      0.03
## 19     -0.05
## 20     -0.01
## 21      0.02
## 22     -0.01
## 23      0.01
## 24      0.00
## 25     -0.20
## 26     -0.10
## 27     -0.20
## 28     -0.12
## 29     -0.14
## 30     -0.21
## 31     -0.24
## 32     -0.25
## 33     -0.28
## 34     -0.25
## 35     -0.26
## 36     -0.21
## 37     -0.27
## 38     -0.25
## 39     -0.20
## 40     -0.20
## 41     -0.19
## 42     -0.16
## 43     -0.13
## 44     -0.11
## 45     -0.10
## 46     -0.03
## 47     -0.11
## 48     -0.10
## 49     -0.09
## 50     -0.02
## 51      0.01
```

```
## 52    -0.08
## 53    -0.05
## 54     0.02
## 55     0.01
## 56     0.01
## 57     0.01
## 58     0.00
## 59    -0.01
## 60     0.00
## 61     0.00
## 62    -0.01
## 63    -0.01
## 64    -0.01
## 65     0.00
## 66    -0.02
## 67    -0.01
## 68    -0.02
## 69    -0.03
## 70     0.08
## 71     0.05
## 72     0.06
## 73     0.00
## 74     0.04
## 75     0.02
## 76     0.07
## 77     0.13
## 78     0.19
## 79     0.24
## 80     0.24
## 81     0.16
## 82     0.23
## 83     0.15
## 84     0.16
## 85     0.13
## 86     0.11
## 87     0.09
## 88     0.06
## 89     0.04
## 90     0.01
## 91     0.00
## 92    -0.05
## 93    -0.02
## 94    -0.06
## 95    -0.07
## 96    -0.08
## 97    -0.10
## 98    -0.11
## 99    -0.11
## 100   -0.16
## 101   -0.17
## 102   -0.14
## 103   -0.19
## 104   -0.22
## 105   -0.24
```

```
## 106    -0.25
## 107    -0.25
## 108    -0.25
## 109    -0.24
## 110    -0.22
## 111    -0.21
## 112    -0.22
## 113    -0.21
## 114    -0.21
## 115    -0.19
## 116    -0.17
## 117    -0.17
## 118    -0.17
## 119    -0.17
## 120    -0.16
## 121    -0.16
## 122    -0.16
## 123    -0.16
## 124    -0.16
## 125    -0.16
## 126    -0.15
## 127    -0.16
## 128    -0.13
## 129    -0.15
## 130    -0.14
## 131    -0.13
## 132    -0.12
## 133    -0.11
## 134    -0.10
## 135    -0.10
## 136    -0.11
## 137    -0.12
## 138    -0.15
## 139    -0.14
## 140    -0.15
## 141    -0.15
## 142    -0.16
## 143    -0.16
## 144    -0.18
## 145    -0.18
## 146    -0.19
## 147    -0.18
## 148    -0.17
## 149    -0.17
## 150    -0.18
## 151    -0.17
## 152    -0.17
## 153    -0.19
## 154    -0.19
## 155    -0.19
## 156    -0.16
## 157    -0.19
## 158    -0.18
## 159    -0.17
```

```
## 160    -0.18
## 161    -0.17
## 162    -0.16
## 163    -0.17
## 164    -0.19
## 165    -0.18
## 166    -0.19
## 167    -0.17
## 168    -0.18
## 169    -0.18
## 170    -0.19
## 171    -0.19
## 172    -0.19
## 173    -0.19
## 174    -0.24
## 175    -0.24
## 176    -0.25
## 177    -0.24
## 178    -0.24
## 179    -0.25
## 180    -0.27
## 181    -0.27
## 182    -0.24
## 183    -0.24
## 184    -0.25
## 185    -0.25
## 186    -0.23
## 187    -0.20
## 188    -0.21
## 189    -0.21
## 190    -0.20
## 191    -0.23
## 192    -0.22
## 193    -0.22
## 194    -0.23
## 195    -0.24
## 196    -0.18
## 197    -0.23
## 198    -0.25
## 199    -0.24
## 200    -0.24
## 201    -0.24
## 202    -0.24
## 203    -0.28
## 204    -0.23
## 205    -0.21
## 206    -0.17
## 207    -0.17
## 208    -0.17
## 209    -0.17
## 210    -0.17
## 211    -0.17
## 212    -0.17
## 213    -0.17
```

```
## 214    -0.18
## 215    -0.17
## 216    -0.18
## 217    -0.20
## 218    -0.19
## 219    -0.19
## 220    -0.22
## 221    -0.21
## 222    -0.23
## 223    -0.23
## 224    -0.23
## 225    -0.18
## 226    -0.18
## 227    -0.18
## 228    -0.18
## 229    -0.17
## 230    -0.17
## 231    -0.20
## 232    -0.24
## 233    -0.16
## 234    -0.15
## 235    -0.19
## 236    -0.22
## 237    -0.22
## 238    -0.15
## 239    -0.18
## 240    -0.16
## 241    -0.23
## 242    -0.23
## 243    -0.22
## 244    -0.22
## 245    -0.23
## 246    -0.15
## 247    -0.16
## 248    -0.16
## 249    -0.17
## 250    -0.17
## 251    -0.16
## 252    -0.16
## 253    -0.15
## 254    -0.14
## 255    -0.13
## 256    -0.16
## 257    -0.13
## 258    -0.12
## 259    -0.12
## 260    -0.12
## 261    -0.11
## 262    -0.11
## 263    -0.12
## 264    -0.12
## 265    -0.12
## 266    -0.12
## 267    -0.12
```

```
## 268    -0.11
## 269    -0.12
## 270    -0.11
## 271    -0.12
## 272    -0.12
## 273    -0.12
## 274    -0.11
## 275    -0.11
## 276    -0.11
## 277    -0.08
## 278    -0.08
## 279    -0.08
## 280    -0.08
## 281    -0.10
## 282    -0.08
## 283    -0.07
## 284    -0.07
## 285    -0.10
## 286    -0.10
## 287    -0.10
## 288    -0.10
## 289    -0.11
## 290    -0.10
## 291    -0.10
## 292    -0.05
## 293    -0.05
## 294    -0.11
## 295    -0.06
## 296    -0.07
## 297    -0.08
## 298    -0.07
## 299    -0.09
## 300    -0.07
## 301    -0.09
## 302    -0.11
## 303    -0.10
## 304    -0.10
## 305    -0.08
## 306    -0.11
## 307    -0.13
## 308    -0.14
## 309    -0.16
## 310    -0.16
## 311    -0.15
## 312    -0.14
## 313    -0.13
## 314    -0.14
## 315    -0.15
## 316    -0.14
## 317    -0.14
## 318    -0.14
## 319    -0.15
## 320    -0.16
## 321    -0.14
```

```
## 322    -0.13
## 323    -0.12
## 324    -0.10
## 325    -0.06
## 326    -0.03
## 327    -0.01
## 328     0.02
## 329     0.03
## 330     0.01
## 331     0.07
## 332     0.05
## 333     0.07
## 334     0.07
## 335     0.07
## 336     0.09
```

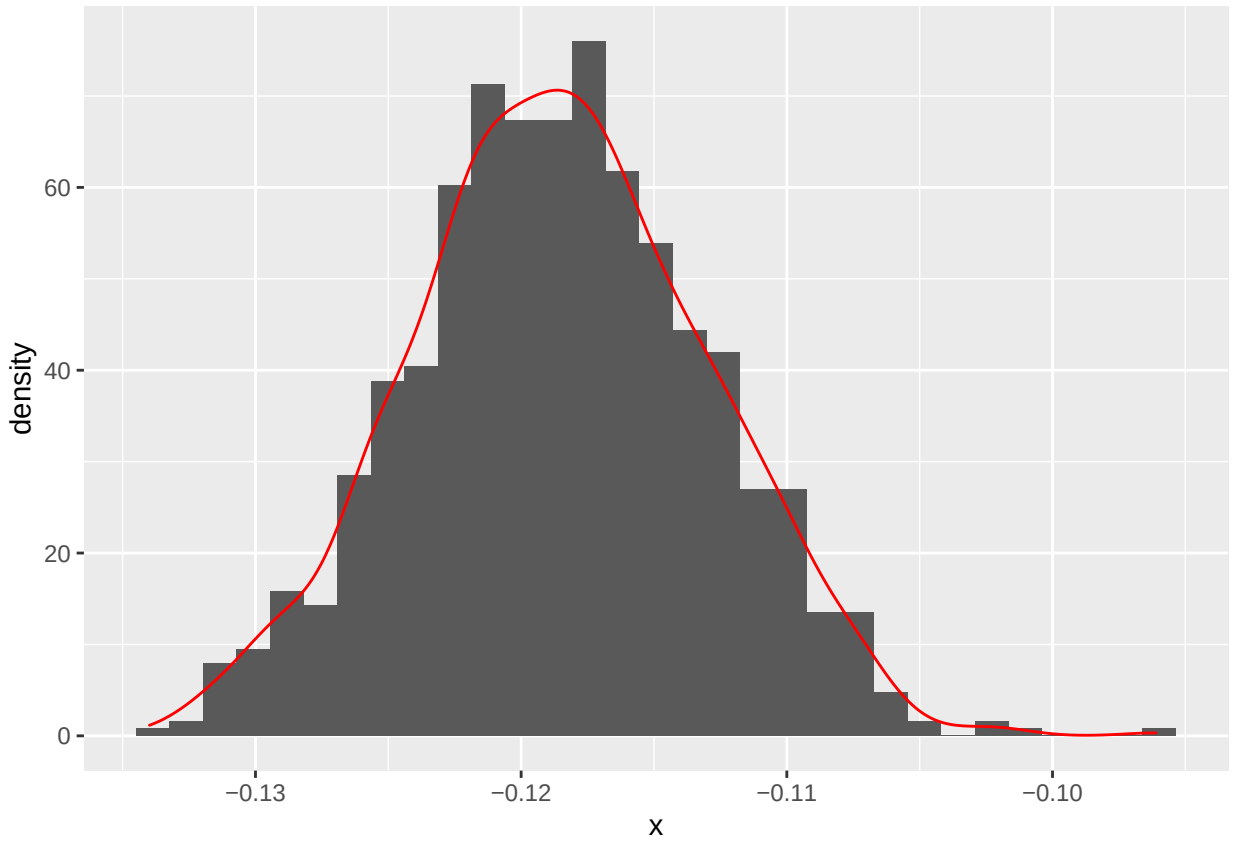
```
apply(finaltab[2], 2, mean)
```

```
##   Estimate
## -0.1185714
```

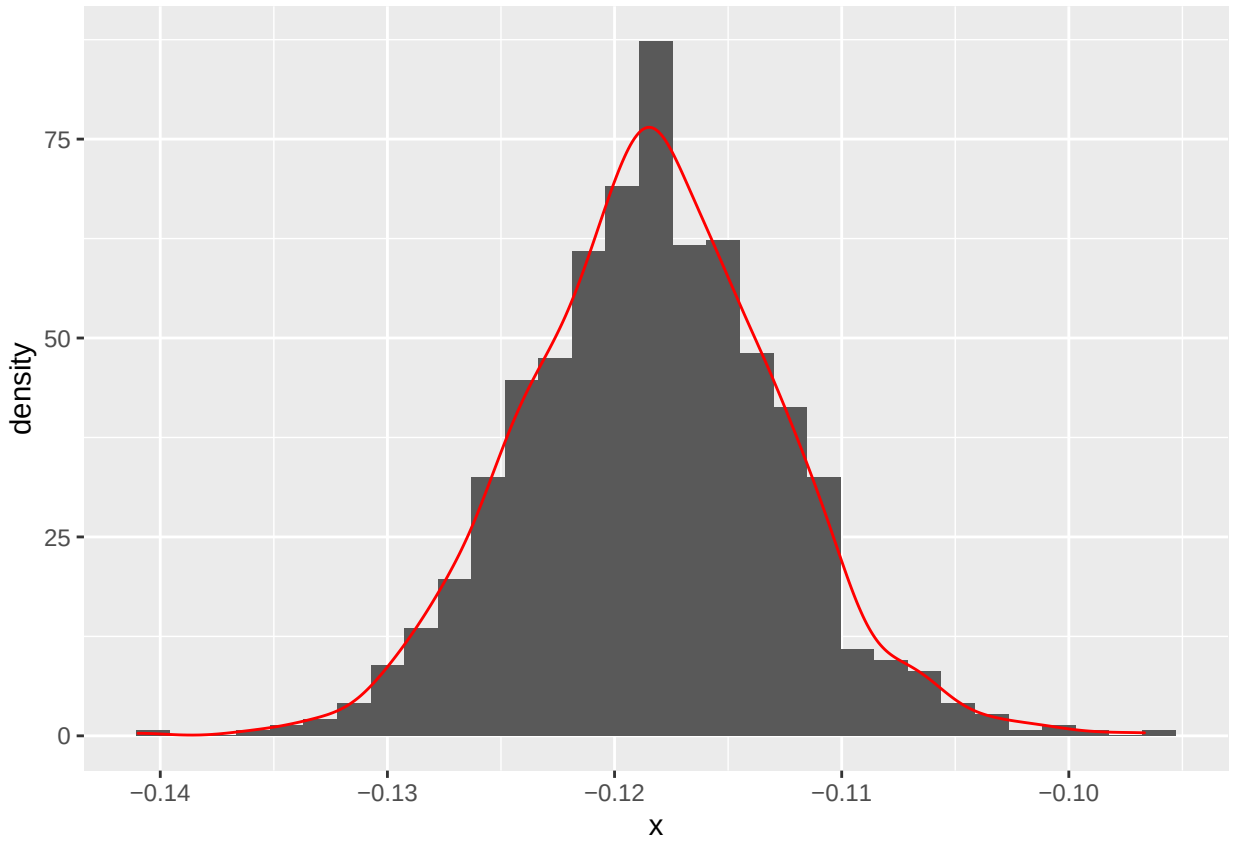
```
n=nrow(pointsALL)
B=1000
x=as.matrix(finaltab[2])

boot.mean = function(x,B,binwidth=NULL) {
  n = length(x)
  boot.samples = matrix( sample(x,size=n*B,replace=TRUE), B, n)
  boot.statistics = apply(boot.samples,1,mean)
  se = sd(boot.statistics)
  require(ggplot2)
  if ( is.null(binwidth) )
    binwidth = diff(range(boot.statistics))/30
  p = ggplot(data.frame(x=boot.statistics),aes(x=x)) +
    geom_histogram(aes(y=..density..),binwidth=binwidth) + geom_density(color="red")
  plot(p)
  interval = mean(x) + c(-1,1)*2*se
  #print( interval )
  return( list(boot.mean=mean(x), boot.statistics = boot.statistics, interval=interval, se=se, plot=p) )
}

mean6= boot.mean(x, B)$boot.mean
```




```
ci6=boot.mean(x, B)$interval
```




```
#pucca
##########################################
#
# Define outcomes of analysis
#
##########################################
outcomes <- c("pucca_binary") #substitute the necessary outcome


##########################################
#
# Use same fix bandwidth for every point
#
##########################################
# define points
z = c(1:nrow(pointsALL))
#z = c(20, 75, 150, 225)
cat("We only include points below \n")
```

```
## We only include points below
```

```
print(z)
```

```
##   [1]   1   2   3   4   5   6   7   8   9  10  11  12  13  14  15  16  17  18  19  20  21  22  23  24
##  [74]  74  75  76  77  78  79  80  81  82  83  84  85  86  87  88  89  90  91  92  93  94  95  96  97
## [147] 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170
## [220] 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243
## [293] 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316
```

```
points = pointsALL[z,]


# use fixed bandwidth for every point and outcome
hfix = band
hlist =  vector("list", length(outcomes))
for(j in 1:length(outcomes)) hlist[[j]] = rep(hfix, length(z))

##########################################
#
# Estimate yhat for treatments and controls separately, using fixed bandwidth, for every outcome
#
##########################################
## Set up parameters for estimation
dislimit10per = 1.00
dislimitmin   = 0.50
minobs = 10
np = nrow(points)


colnm2 = c("Point", "Estimate", "Conv-CIl",  "Conv-CIu", "hfix", "Ntr-hfix", "Nco-hfix", "Rob-CIl",  "R
finaltab = as.data.frame(matrix(data=NA, ncol = length(colnm2), nrow = np * length(outcomes), dimnames =



for(j in 1:length(outcomes)) {
  t0 = proc.time()[3]
  cat("/*******************************************************************************\n")
  cat("Starting estimation of variable", outcomes[j], "\n")
  cat("/*******************************************************************************\n")
  ## Set up data
  datause = data[complete.cases(data$latitude, data$longitude, data$treat, data[,c(outcomes[j])]),]

  ## Get covariates: latitude and longitude
  x1 <- datause$latitude
  x2 <- datause$longitude
  # Get outcome
  y <- datause[,c(outcomes[j])]
  treat <- datause$treat
  #table(datause$countyname, datause$treat)

  ## Set up treated data
  indx = (treat == 1)
  sum(indx)
  x1.Tr <- x1[indx]
  x2.Tr <- x2[indx]
  y.Tr  <- y[indx]
  rm(indx)
  gc()

  ## Set up control data
  indx = (treat == 0)
  sum(indx)
```

```
x1.Co <- x1[indx]
x2.Co <- x2[indx]
y.Co  <- y[indx]
rm(indx)
gc()


for(i in 1:np) {
  cat("Point", i, "of", np, "\n")
  b1 = points$latitude[i]
  b2 = points$longitude[i]
  h = hlist[[j]][i]


  ####################################
  #### Calculate score in treated area
  ####################################

  ## Calculate chordal distance between each (x1,x2) latitude-longitude pair in the data and the poin
  outdis = disvec(lat1=b1, lon1=b2, lat2 = x1.Tr, lon2 = x2.Tr)
  dis= as.vector(outdis$chord)
  summary(dis)
  disTr = dis
  cat("Minimum treated distance is ",min(dis), "\n")

  ## Create weights using triangular kernel and fixed bandwidth
  w = as.vector((1/h) * Kt((dis-0)/h))
  wTr=w
  npTr = sum(w>0)
  cat("There are", npTr, "Tr observations with positive weights out of", length(y.Tr), "Tr obs \n")

  ####################################
  #### Calculate score in control area
  ####################################
  ## Calculate chordal distance between each (x1,x2) latitude-longitude pair in the data and the poin
  outdis = disvec(lat1=b1, lon1=b2, lat2 = x1.Co, lon2 = x2.Co)
  dis= as.vector(outdis$chord)
  summary(dis)
  disCo = dis
  cat("Minimum control distance is ",min(dis), "\n")
  ## Create weights using triangular kernel and fixed bandwidth
  w = as.vector((1/h) * Kt((dis-0)/h))
  wCo=w
  npCo = sum(w>0)
  cat("There are", npCo, "Co observations with positive weights out of", length(y.Co), "Co obs \n")


  score = c(disTr, -disCo)
  y = c(y.Tr, y.Co)

  if(npTr >= minobs & npCo >= minobs) {
    #rdout = rdrobust(y = y , x = score , c = 0 , h = h)
    #print(rdout)
```

```
      #rdout.Coef = summary(rdout)

      rdoutCCT = rdrobust(y = y ,x = score , c = 0 , bwselect = "mserd")
      print(rdoutCCT)
      hCCT = rdoutCCT$bws[1]
      rdoutCCT.Coef = summary(rdoutCCT)
      rdoutCCT$sum

      #rdoutIK  = rdrobust(y = y ,x = score , c = 0 , bwselect = "cerrd")
      #print(rdoutIK)
      #hIK = rdoutIK$bws[1]
      #rdoutIK.Coef = summary(rdoutIK)
    }

    ################################
    # Store results
    ################################
    finaltab[i,"Point"]         = i
    finaltab[i, "Estimate"]     = round(rdoutCCT$coef[1], 2)
    finaltab[i, "Conv-CIl"]     = round(rdoutCCT$ci[1,1], 2)
    finaltab[i,  "Conv-CIu"]    = round(rdoutCCT$ci[1,2], 2)
    finaltab[i, "hfix"]         = hfix
    finaltab[i, "Ntr-hfix"]     = npTr
    finaltab[i, "Nco-hfix"]     = npCo
    finaltab[i, "Rob-CIl"]      = round(rdoutCCT$ci[3,1], 2)
    finaltab[i, "Rob-CIu"]      = round(rdoutCCT$ci[3,2], 2)
    #finaltab[i,"hCCT"]          = round(hCCT, 2)
    #finaltab[i, "Ntr-hCCT"]     = rdoutCCT$sum[1,2]
    #finaltab[i,"Nco-hCCT"]      = rdoutCCT$sum[1,1]
  }

  cat("\n\n\n")
  cat("----------------------------------------------------------\n")
  cat("Final results -- Outcome", outcomes[j], "\n")
  print(finaltab)
  cat("----------------------------------------------------------\n")
}# end iterating over outcomes
```

```
## /*****************************************************************************
## Starting estimation of variable pucca_binary
## /*****************************************************************************
## Point 1 of 336
## Minimum treated distance is  4.240693
## There are 9 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.248322
## There are 34 Co observations with positive weights out of 2671 Co obs
## Point 2 of 336
## Minimum treated distance is  4.37753
## There are 10 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.877566
## There are 37 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
```

```
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            224          99
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 47.157      47.157
## BW bias (b)                 79.052      79.052
## rho (h/b)                    0.597       0.597
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            224          99
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 47.157      47.157
## BW bias (b)                 79.052      79.052
## rho (h/b)                    0.597       0.597
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.139     0.075     1.838     0.066    [-0.009 , 0.287]
##         Robust         -         -     1.759     0.079    [-0.018 , 0.333]
## ===============================================================================
## Point 3 of 336
## Minimum treated distance is  3.202792
## There are 14 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.321924
## There are 39 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            242         127
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.610      49.610
```

```
## BW bias (b)                 78.131      78.131
## rho (h/b)                    0.635       0.635
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            242         127
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.610      49.610
## BW bias (b)                 78.131      78.131
## rho (h/b)                    0.635       0.635
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.103     0.070     1.463     0.143    [-0.035 , 0.240]
##         Robust         -         -     1.412     0.158    [-0.045 , 0.275]
## ===============================================================================
## Point 4 of 336
## Minimum treated distance is  4.443622
## There are 14 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  3.148917
## There are 48 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            239         114
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 47.329      47.329
## BW bias (b)                 76.554      76.554
## rho (h/b)                    0.618       0.618
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
```

```
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             239         114
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  47.329      47.329
## BW bias (b)                  76.554      76.554
## rho (h/b)                     0.618       0.618
## Unique Obs.                    2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.100     0.070     1.421     0.155    [-0.038 , 0.238]
##         Robust         -         -     1.397     0.163    [-0.047 , 0.278]
## ===============================================================================
## Point 5 of 336
## Minimum treated distance is  2.804569
## There are 20 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.205445
## There are 49 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             260         148
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  49.586      49.586
## BW bias (b)                  77.281      77.281
## rho (h/b)                     0.642       0.642
## Unique Obs.                    2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             260         148
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  49.586      49.586
## BW bias (b)                  77.281      77.281
## rho (h/b)                     0.642       0.642
## Unique Obs.                    2357        2951
##
```

```
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional     0.077     0.071     1.079     0.280    [-0.063 , 0.216]
##         Robust         -         -     1.014     0.311    [-0.079 , 0.249]
## ================================================================================
## Point 6 of 336
## Minimum treated distance is  2.187643
## There are 21 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.278975
## There are 50 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            257         153
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.731      49.731
## BW bias (b)                 77.660      77.660
## rho (h/b)                    0.640       0.640
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            257         153
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.731      49.731
## BW bias (b)                 77.660      77.660
## rho (h/b)                    0.640       0.640
## Unique Obs.                   2357        2951
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional     0.067     0.067     1.002     0.316    [-0.064 , 0.199]
##         Robust         -         -     0.907     0.365    [-0.084 , 0.228]
## ================================================================================
## Point 7 of 336
## Minimum treated distance is  1.725856
## There are 21 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.557977
```

```
## There are 49 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            258         159
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.841      49.841
## BW bias (b)                 78.553      78.553
## rho (h/b)                    0.634       0.634
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            258         159
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.841      49.841
## BW bias (b)                 78.553      78.553
## rho (h/b)                    0.634       0.634
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.056     0.067     0.831     0.406    [-0.076 , 0.187]
##         Robust         -         -     0.686     0.492    [-0.101 , 0.211]
## ===============================================================================
## Point 8 of 336
## Minimum treated distance is  1.66148
## There are 26 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.217556
## There are 51 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
```

```
## Eff. Number of Obs.            258         165
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.209      49.209
## BW bias (b)                 79.087      79.087
## rho (h/b)                    0.622       0.622
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            258         165
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.209      49.209
## BW bias (b)                 79.087      79.087
## rho (h/b)                    0.622       0.622
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.038     0.067     0.563     0.574    [-0.093 , 0.168]
##         Robust         -         -     0.357     0.721    [-0.128 , 0.185]
## ===============================================================================
## Point 9 of 336
## Minimum treated distance is  2.337018
## There are 28 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.931109
## There are 48 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            251         159
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 47.839      47.839
## BW bias (b)                 79.879      79.879
## rho (h/b)                    0.599       0.599
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
```

```
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            251         159
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 47.839      47.839
## BW bias (b)                 79.879      79.879
## rho (h/b)                    0.599       0.599
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.022     0.069     0.320     0.749    [-0.113 , 0.156]
##         Robust         -         -     0.071     0.943    [-0.155 , 0.167]
## ===============================================================================
## Point 10 of 336
## Minimum treated distance is  3.832727
## There are 28 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.951436
## There are 58 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            235         152
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.602      45.602
## BW bias (b)                 82.042      82.042
## rho (h/b)                    0.556       0.556
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            235         152
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.602      45.602
```

```
## BW bias (b)                 82.042      82.042
## rho (h/b)                    0.556       0.556
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.002     0.074    -0.028     0.978    [-0.147 , 0.143]
##         Robust         -         -    -0.280     0.779    [-0.197 , 0.148]
## ===============================================================================
## Point 11 of 336
## Minimum treated distance is  2.680483
## There are 30 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.729078
## There are 61 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            227         155
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.257      44.257
## BW bias (b)                 84.061      84.061
## rho (h/b)                    0.526       0.526
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            227         155
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.257      44.257
## BW bias (b)                 84.061      84.061
## rho (h/b)                    0.526       0.526
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.030     0.083    -0.362     0.718    [-0.192 , 0.132]
##         Robust         -         -    -0.554     0.580    [-0.243 , 0.136]
## ===============================================================================
```

```
## Point 12 of 336
## Minimum treated distance is  1.822494
## There are 34 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.112341
## There are 59 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            236         171
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.506      45.506
## BW bias (b)                 86.059      86.059
## rho (h/b)                    0.529       0.529
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            236         171
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.506      45.506
## BW bias (b)                 86.059      86.059
## rho (h/b)                    0.529       0.529
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.038     0.088    -0.430     0.667    [-0.210 , 0.134]
##         Robust         -         -    -0.599     0.549    [-0.262 , 0.139]
## ===============================================================================
## Point 13 of 336
## Minimum treated distance is  2.875603
## There are 76 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  4.721643
## There are 35 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
```

```
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            126         228
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 39.510      39.510
## BW bias (b)                 87.827      87.827
## rho (h/b)                    0.450       0.450
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            126         228
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 39.510      39.510
## BW bias (b)                 87.827      87.827
## rho (h/b)                    0.450       0.450
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.123     0.063    -1.956     0.051    [-0.247 , 0.000]
##         Robust         -         -    -2.156     0.031    [-0.292 , -0.014]
## ===============================================================================
## Point 14 of 336
## Minimum treated distance is  2.189093
## There are 57 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.25271
## There are 56 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            166         199
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.844      41.844
## BW bias (b)                 86.010      86.010
## rho (h/b)                    0.486       0.486
```

```
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            166         199
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.844      41.844
## BW bias (b)                 86.010      86.010
## rho (h/b)                    0.486       0.486
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.113     0.075    -1.494     0.135    [-0.261 , 0.035]
##         Robust         -         -    -1.641     0.101    [-0.307 , 0.027]
## ===============================================================================
## Point 15 of 336
## Minimum treated distance is  0.9603974
## There are 57 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.506792
## There are 58 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            191         218
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.034      44.034
## BW bias (b)                 88.252      88.252
## rho (h/b)                    0.499       0.499
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                2671        3522
```

```
## Eff. Number of Obs.            191         218
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.034      44.034
## BW bias (b)                 88.252      88.252
## rho (h/b)                    0.499       0.499
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.095     0.078    -1.219     0.223    [-0.247 , 0.058]
##         Robust         -         -    -1.364     0.173    [-0.294 , 0.053]
## ===============================================================================
## Point 16 of 336
## Minimum treated distance is  1.473052
## There are 38 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.57529
## There are 55 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            215         181
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.811      44.811
## BW bias (b)                 87.294      87.294
## rho (h/b)                    0.513       0.513
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            215         181
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.811      44.811
## BW bias (b)                 87.294      87.294
## rho (h/b)                    0.513       0.513
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
```

```
## ================================================================================
##   Conventional    -0.067     0.085    -0.792     0.428    [-0.234 , 0.099]
##         Robust         -         -    -0.944     0.345    [-0.285 , 0.100]
## ================================================================================
## Point 17 of 336
## Minimum treated distance is  2.4303
## There are 38 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.324676
## There are 58 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            245         215
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 48.000      48.000
## BW bias (b)                 90.509      90.509
## rho (h/b)                    0.530       0.530
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            245         215
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 48.000      48.000
## BW bias (b)                 90.509      90.509
## rho (h/b)                    0.530       0.530
## Unique Obs.                   2357        2951
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.051     0.084    -0.609     0.542    [-0.217 , 0.114]
##         Robust         -         -    -0.745     0.456    [-0.265 , 0.119]
## ================================================================================
## Point 18 of 336
## Minimum treated distance is  1.2283
## There are 35 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.407813
## There are 59 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
```

```
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            231         182
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.833      45.833
## BW bias (b)                 87.043      87.043
## rho (h/b)                    0.527       0.527
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            231         182
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.833      45.833
## BW bias (b)                 87.043      87.043
## rho (h/b)                    0.527       0.527
## Unique Obs.                   2357        2951
##
## =============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## =============================================================================
##   Conventional    -0.047     0.088    -0.532     0.595    [-0.220 , 0.126]
##         Robust         -         -    -0.689     0.491    [-0.272 , 0.130]
## =============================================================================
## Point 19 of 336
## Minimum treated distance is  1.015033
## There are 63 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.879691
## There are 45 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            126         173
## Order est. (p)                   1           1
```

```
## Order bias  (q)                 2          2
## BW est. (h)                36.606     36.606
## BW bias (b)                83.371     83.371
## rho (h/b)                   0.439      0.439
## Unique Obs.                 2357       2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671       3522
## Eff. Number of Obs.            126        173
## Order est. (p)                   1          1
## Order bias  (q)                  2          2
## BW est. (h)                36.606     36.606
## BW bias (b)                83.371     83.371
## rho (h/b)                   0.439      0.439
## Unique Obs.                 2357       2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.116     0.059    -1.979     0.048    [-0.231 , -0.001]
##         Robust         -         -    -2.209     0.027    [-0.270 , -0.016]
## ===============================================================================
## Point 20 of 336
## Minimum treated distance is  0.9292736
## There are 54 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.017443
## There are 60 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671       3522
## Eff. Number of Obs.            217        242
## Order est. (p)                   1          1
## Order bias  (q)                  2          2
## BW est. (h)                46.746     46.746
## BW bias (b)                90.696     90.696
## rho (h/b)                   0.515      0.515
## Unique Obs.                 2357       2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
```

```
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            217         242
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 46.746      46.746
## BW bias (b)                 90.696      90.696
## rho (h/b)                    0.515       0.515
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.070     0.078    -0.893     0.372    [-0.222 , 0.083]
##         Robust         -         -    -1.035     0.301    [-0.270 , 0.083]
## ===============================================================================
## Point 21 of 336
## Minimum treated distance is  1.759884
## There are 39 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.56159
## There are 62 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            279         264
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 51.389      51.389
## BW bias (b)                 94.602      94.602
## rho (h/b)                    0.543       0.543
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            279         264
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 51.389      51.389
## BW bias (b)                 94.602      94.602
## rho (h/b)                    0.543       0.543
```

```
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.035     0.078    -0.443     0.658    [-0.188 , 0.119]
##         Robust         -         -    -0.570     0.569    [-0.234 , 0.128]
## ===============================================================================
## Point 22 of 336
## Minimum treated distance is  1.638323
## There are 47 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  0.8876207
## There are 62 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            244         271
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.027      49.027
## BW bias (b)                 92.917      92.917
## rho (h/b)                    0.528       0.528
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            244         271
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.027      49.027
## BW bias (b)                 92.917      92.917
## rho (h/b)                    0.528       0.528
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.048     0.075    -0.641     0.522    [-0.195 , 0.099]
##         Robust         -         -    -0.778     0.437    [-0.240 , 0.104]
## ===============================================================================
## Point 23 of 336
## Minimum treated distance is  1.776076
```

```
## There are 38 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.02483
## There are 64 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            298         277
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 52.381      52.381
## BW bias (b)                 95.771      95.771
## rho (h/b)                    0.547       0.547
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            298         277
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 52.381      52.381
## BW bias (b)                 95.771      95.771
## rho (h/b)                    0.547       0.547
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.030     0.078    -0.385     0.700    [-0.182 , 0.122]
##         Robust         -         -    -0.503     0.615    [-0.227 , 0.134]
## ===============================================================================
## Point 24 of 336
## Minimum treated distance is  1.529271
## There are 43 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.395437
## There are 66 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
```

```
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             288         296
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  52.644      52.644
## BW bias (b)                  96.505      96.505
## rho (h/b)                     0.546       0.546
## Unique Obs.                    2357        2951
##
## Call: rdrobust
##
## Number of Obs.                  6193
## BW type                        mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             288         296
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  52.644      52.644
## BW bias (b)                  96.505      96.505
## rho (h/b)                     0.546       0.546
## Unique Obs.                    2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.030     0.073    -0.415     0.679    [-0.174 , 0.113]
##         Robust         -         -    -0.537     0.591    [-0.218 , 0.124]
## ===============================================================================
## Point 25 of 336
## Minimum treated distance is  1.436072
## There are 90 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.517115
## There are 39 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                  6193
## BW type                        mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             141         288
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  42.639      42.639
## BW bias (b)                  86.603      86.603
## rho (h/b)                     0.492       0.492
## Unique Obs.                    2357        2951
##
```

```
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            141         288
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 42.639      42.639
## BW bias (b)                 86.603      86.603
## rho (h/b)                    0.492       0.492
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.059     0.052    -1.130     0.259    [-0.162 , 0.043]
##         Robust         -         -    -1.410     0.159    [-0.204 , 0.033]
## ===============================================================================
## Point 26 of 336
## Minimum treated distance is  0.9872303
## There are 83 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  3.717259
## There are 35 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            132         252
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 40.921      40.921
## BW bias (b)                 86.542      86.542
## rho (h/b)                    0.473       0.473
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            132         252
## Order est. (p)                   1           1
```

```
## Order bias  (q)                 2          2
## BW est. (h)                40.921     40.921
## BW bias (b)                86.542     86.542
## rho (h/b)                   0.473      0.473
## Unique Obs.                  2357       2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.096     0.057    -1.691     0.091    [-0.207 , 0.015]
##         Robust         -         -    -1.930     0.054    [-0.253 , 0.002]
## ===============================================================================
## Point 27 of 336
## Minimum treated distance is  0.7365893
## There are 89 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.301077
## There are 39 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2671       3522
## Eff. Number of Obs.           134        272
## Order est. (p)                  1          1
## Order bias  (q)                 2          2
## BW est. (h)                41.310     41.310
## BW bias (b)                85.370     85.370
## rho (h/b)                   0.484      0.484
## Unique Obs.                  2357       2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2671       3522
## Eff. Number of Obs.           134        272
## Order est. (p)                  1          1
## Order bias  (q)                 2          2
## BW est. (h)                41.310     41.310
## BW bias (b)                85.370     85.370
## rho (h/b)                   0.484      0.484
## Unique Obs.                  2357       2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.070     0.054    -1.302     0.193    [-0.176 , 0.035]
```

```
##         Robust         -         -    -1.564     0.118    [-0.218 , 0.025]
## ================================================================================
## Point 28 of 336
## Minimum treated distance is  1.012523
## There are 80 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.772262
## There are 38 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            132         243
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 40.120      40.120
## BW bias (b)                 84.600      84.600
## rho (h/b)                    0.474       0.474
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            132         243
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 40.120      40.120
## BW bias (b)                 84.600      84.600
## rho (h/b)                    0.474       0.474
## Unique Obs.                   2357        2951
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.088     0.056    -1.558     0.119    [-0.198 , 0.023]
##         Robust         -         -    -1.804     0.071    [-0.241 , 0.010]
## ================================================================================
## Point 29 of 336
## Minimum treated distance is  1.082082
## There are 78 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.715348
## There are 47 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
```

```
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            150         260
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.570      41.570
## BW bias (b)                 83.862      83.862
## rho (h/b)                    0.496       0.496
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            150         260
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.570      41.570
## BW bias (b)                 83.862      83.862
## rho (h/b)                    0.496       0.496
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.062     0.057    -1.071     0.284    [-0.174 , 0.051]
##         Robust         -         -    -1.332     0.183    [-0.218 , 0.041]
## ===============================================================================
## Point 30 of 336
## Minimum treated distance is  0.9500749
## There are 81 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  0.9529808
## There are 40 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            159         283
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 43.153      43.153
```

```
## BW bias (b)                 85.102      85.102
## rho (h/b)                    0.507       0.507
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            159         283
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 43.153      43.153
## BW bias (b)                 85.102      85.102
## rho (h/b)                    0.507       0.507
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.051     0.057    -0.897     0.370    [-0.164 , 0.061]
##         Robust         -         -    -1.181     0.238    [-0.208 , 0.052]
## ===============================================================================
## Point 31 of 336
## Minimum treated distance is  2.263368
## There are 90 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.258362
## There are 39 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            169         318
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.050      45.050
## BW bias (b)                 87.364      87.364
## rho (h/b)                    0.516       0.516
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
```

```
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             169         318
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  45.050      45.050
## BW bias (b)                  87.364      87.364
## rho (h/b)                     0.516       0.516
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.036     0.057    -0.638     0.523    [-0.148 , 0.075]
##         Robust         -         -    -0.943     0.346    [-0.192 , 0.067]
## ===============================================================================
## Point 32 of 336
## Minimum treated distance is  1.441805
## There are 86 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.02814
## There are 42 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             178         319
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  46.017      46.017
## BW bias (b)                  86.659      86.659
## rho (h/b)                     0.531       0.531
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             178         319
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  46.017      46.017
## BW bias (b)                  86.659      86.659
## rho (h/b)                     0.531       0.531
## Unique Obs.                   2357        2951
##
```

```
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.025     0.060    -0.418     0.676    [-0.144 , 0.093]
##         Robust         -         -    -0.709     0.478    [-0.188 , 0.088]
## ================================================================================
## Point 33 of 336
## Minimum treated distance is  1.995024
## There are 79 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.721812
## There are 50 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            205         326
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 47.261      47.261
## BW bias (b)                 86.439      86.439
## rho (h/b)                    0.547       0.547
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            205         326
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 47.261      47.261
## BW bias (b)                 86.439      86.439
## rho (h/b)                    0.547       0.547
## Unique Obs.                   2357        2951
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.011     0.063    -0.173     0.863    [-0.135 , 0.113]
##         Robust         -         -    -0.441     0.659    [-0.179 , 0.113]
## ================================================================================
## Point 34 of 336
## Minimum treated distance is  1.405971
## There are 87 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.623209
```

```
## There are 48 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            221         377
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 50.192      50.192
## BW bias (b)                 89.995      89.995
## rho (h/b)                    0.558       0.558
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            221         377
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 50.192      50.192
## BW bias (b)                 89.995      89.995
## rho (h/b)                    0.558       0.558
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.001     0.065    -0.022     0.982    [-0.128 , 0.125]
##         Robust         -         -    -0.274     0.784    [-0.171 , 0.129]
## ===============================================================================
## Point 35 of 336
## Minimum treated distance is  1.645537
## There are 81 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.366098
## There are 50 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
```

```
## Eff. Number of Obs.            235         420
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 52.427      52.427
## BW bias (b)                 94.992      94.992
## rho (h/b)                    0.552       0.552
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            235         420
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 52.427      52.427
## BW bias (b)                 94.992      94.992
## rho (h/b)                    0.552       0.552
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.009     0.064     0.135     0.893    [-0.117 , 0.134]
##         Robust         -         -    -0.122     0.903    [-0.158 , 0.140]
## ===============================================================================
## Point 36 of 336
## Minimum treated distance is  1.165923
## There are 86 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.589549
## There are 46 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            282         546
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 58.381      58.381
## BW bias (b)                101.240     101.240
## rho (h/b)                    0.577       0.577
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
```

```
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            282         546
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 58.381      58.381
## BW bias (b)                101.240     101.240
## rho (h/b)                    0.577       0.577
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.022     0.065     0.336     0.737    [-0.105 , 0.149]
##         Robust         -         -     0.096     0.924    [-0.145 , 0.160]
## ===============================================================================
## Point 37 of 336
## Minimum treated distance is  2.828804
## There are 79 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  0.9234135
## There are 54 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            284         503
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 57.026      57.026
## BW bias (b)                 98.807      98.807
## rho (h/b)                    0.577       0.577
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            284         503
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 57.026      57.026
```

```
## BW bias (b)                 98.807      98.807
## rho (h/b)                    0.577       0.577
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.030     0.067     0.443     0.657    [-0.101 , 0.160]
##         Robust         -         -     0.179     0.858    [-0.143 , 0.172]
## ===============================================================================
## Point 38 of 336
## Minimum treated distance is  2.596393
## There are 81 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.741947
## There are 50 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            295         547
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 58.676      58.676
## BW bias (b)                100.157     100.157
## rho (h/b)                    0.586       0.586
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            295         547
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 58.676      58.676
## BW bias (b)                100.157     100.157
## rho (h/b)                    0.586       0.586
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.033     0.067     0.495     0.621    [-0.098 , 0.164]
##         Robust         -         -     0.242     0.809    [-0.138 , 0.177]
## ===============================================================================
```

```
## Point 39 of 336
## Minimum treated distance is  1.675129
## There are 87 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.321223
## There are 41 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            267         591
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 59.015      59.015
## BW bias (b)                103.351     103.351
## rho (h/b)                    0.571       0.571
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            267         591
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 59.015      59.015
## BW bias (b)                103.351     103.351
## rho (h/b)                    0.571       0.571
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.016     0.064     0.242     0.809    [-0.110 , 0.141]
##         Robust         -         -     0.033     0.974    [-0.149 , 0.154]
## ===============================================================================
## Point 40 of 336
## Minimum treated distance is  2.926197
## There are 83 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.507727
## There are 44 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
```

```
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            322         667
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 63.070      63.070
## BW bias (b)                104.049     104.049
## rho (h/b)                    0.606       0.606
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            322         667
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 63.070      63.070
## BW bias (b)                104.049     104.049
## rho (h/b)                    0.606       0.606
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.040     0.065     0.614     0.540    [-0.087 , 0.166]
##         Robust         -         -     0.427     0.670    [-0.122 , 0.190]
## ===============================================================================
## Point 41 of 336
## Minimum treated distance is  2.497322
## There are 80 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.089708
## There are 48 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            327         662
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 62.340      62.340
## BW bias (b)                102.496     102.496
## rho (h/b)                    0.608       0.608
```

```
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            327         662
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 62.340      62.340
## BW bias (b)                102.496     102.496
## rho (h/b)                    0.608       0.608
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.061     0.066     0.926     0.354    [-0.068 , 0.191]
##         Robust         -         -     0.746     0.456    [-0.099 , 0.222]
## ===============================================================================
## Point 42 of 336
## Minimum treated distance is  2.86995
## There are 79 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  3.310183
## There are 47 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            315         640
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 60.953      60.953
## BW bias (b)                101.299     101.299
## rho (h/b)                    0.602       0.602
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                2671        3522
```

```
## Eff. Number of Obs.            315         640
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 60.953      60.953
## BW bias (b)                101.299     101.299
## rho (h/b)                    0.602       0.602
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.074     0.068     1.094     0.274    [-0.059 , 0.207]
##         Robust         -         -     0.925     0.355    [-0.087 , 0.242]
## ===============================================================================
## Point 43 of 336
## Minimum treated distance is  1.866176
## There are 79 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.777591
## There are 46 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            309         630
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 60.228      60.228
## BW bias (b)                100.655     100.655
## rho (h/b)                    0.598       0.598
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            309         630
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 60.228      60.228
## BW bias (b)                100.655     100.655
## rho (h/b)                    0.598       0.598
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
```

```
## ===============================================================================
##   Conventional     0.088     0.076     1.160     0.246    [-0.061 , 0.237]
##         Robust         -         -     1.027     0.304    [-0.087 , 0.280]
## ===============================================================================
## Point 44 of 336
## Minimum treated distance is  0.9125126
## There are 76 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  3.101044
## There are 41 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            303         599
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 58.431      58.431
## BW bias (b)                100.235     100.235
## rho (h/b)                    0.583       0.583
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            303         599
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 58.431      58.431
## BW bias (b)                100.235     100.235
## rho (h/b)                    0.583       0.583
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.111     0.078     1.424     0.154    [-0.042 , 0.264]
##         Robust         -         -     1.315     0.189    [-0.062 , 0.314]
## ===============================================================================
## Point 45 of 336
## Minimum treated distance is  2.004749
## There are 71 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.91385
## There are 48 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
```

```
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            319         615
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 59.767      59.767
## BW bias (b)                101.654     101.654
## rho (h/b)                    0.588       0.588
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            319         615
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 59.767      59.767
## BW bias (b)                101.654     101.654
## rho (h/b)                    0.588       0.588
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.113     0.075     1.505     0.132    [-0.034 , 0.260]
##         Robust         -         -     1.377     0.168    [-0.054 , 0.306]
## ===============================================================================
## Point 46 of 336
## Minimum treated distance is  2.086984
## There are 70 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.668499
## There are 44 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            329         609
## Order est. (p)                   1           1
```

```
## Order bias  (q)                 2          2
## BW est. (h)                58.735     58.735
## BW bias (b)               101.951    101.951
## rho (h/b)                   0.576      0.576
## Unique Obs.                 2357       2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671       3522
## Eff. Number of Obs.            329        609
## Order est. (p)                   1          1
## Order bias  (q)                  2          2
## BW est. (h)                58.735     58.735
## BW bias (b)               101.951    101.951
## rho (h/b)                   0.576      0.576
## Unique Obs.                 2357       2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.143     0.082     1.749     0.080    [-0.017 , 0.302]
##         Robust         -         -     1.625     0.104    [-0.033 , 0.355]
## ===============================================================================
## Point 47 of 336
## Minimum treated distance is  1.841657
## There are 62 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.585973
## There are 56 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671       3522
## Eff. Number of Obs.            333        608
## Order est. (p)                   1          1
## Order bias  (q)                  2          2
## BW est. (h)                60.231     60.231
## BW bias (b)               101.608    101.608
## rho (h/b)                   0.593      0.593
## Unique Obs.                 2357       2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
```

```
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            333         608
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 60.231      60.231
## BW bias (b)                101.608     101.608
## rho (h/b)                    0.593       0.593
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.114     0.078     1.458     0.145    [-0.039 , 0.267]
##         Robust         -         -     1.303     0.193    [-0.063 , 0.313]
## ===============================================================================
## Point 48 of 336
## Minimum treated distance is  1.226921
## There are 57 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.080679
## There are 57 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            327         558
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 58.273      58.273
## BW bias (b)                 99.318      99.318
## rho (h/b)                    0.587       0.587
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            327         558
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 58.273      58.273
## BW bias (b)                 99.318      99.318
## rho (h/b)                    0.587       0.587
```

```
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.130     0.078     1.666     0.096    [-0.023 , 0.282]
##         Robust         -         -     1.511     0.131    [-0.043 , 0.329]
## ===============================================================================
## Point 49 of 336
## Minimum treated distance is  1.609514
## There are 54 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.239623
## There are 55 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            345         571
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 58.854      58.854
## BW bias (b)                101.091     101.091
## rho (h/b)                    0.582       0.582
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            345         571
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 58.854      58.854
## BW bias (b)                101.091     101.091
## rho (h/b)                    0.582       0.582
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.141     0.078     1.817     0.069    [-0.011 , 0.294]
##         Robust         -         -     1.648     0.099    [-0.030 , 0.341]
## ===============================================================================
## Point 50 of 336
## Minimum treated distance is  2.767013
```

```
## There are 68 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.631061
## There are 42 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            298         588
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 56.740      56.740
## BW bias (b)                100.458     100.458
## rho (h/b)                    0.565       0.565
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            298         588
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 56.740      56.740
## BW bias (b)                100.458     100.458
## rho (h/b)                    0.565       0.565
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.150     0.083     1.806     0.071    [-0.013 , 0.313]
##         Robust         -         -     1.707     0.088    [-0.025 , 0.368]
## ===============================================================================
## Point 51 of 336
## Minimum treated distance is  2.896059
## There are 69 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.402306
## There are 38 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
```

```
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             344         731
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  61.903      61.903
## BW bias (b)                 106.532     106.532
## rho (h/b)                     0.581       0.581
## Unique Obs.                    2357        2951
##
## Call: rdrobust
##
## Number of Obs.                  6193
## BW type                        mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             344         731
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  61.903      61.903
## BW bias (b)                 106.532     106.532
## rho (h/b)                     0.581       0.581
## Unique Obs.                    2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.144     0.083     1.740     0.082    [-0.018 , 0.306]
##         Robust         -         -     1.569     0.117    [-0.040 , 0.360]
## ===============================================================================
## Point 52 of 336
## Minimum treated distance is  1.782922
## There are 53 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.805235
## There are 58 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                  6193
## BW type                        mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             341         562
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  58.117      58.117
## BW bias (b)                 100.855     100.855
## rho (h/b)                     0.576       0.576
## Unique Obs.                    2357        2951
##
```

```
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            341         562
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 58.117      58.117
## BW bias (b)                100.855     100.855
## rho (h/b)                    0.576       0.576
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.150     0.077     1.944     0.052    [-0.001 , 0.302]
##         Robust         -         -     1.770     0.077    [-0.018 , 0.350]
## ===============================================================================
## Point 53 of 336
## Minimum treated distance is  0.5838316
## There are 59 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  0.6902158
## There are 54 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            296         508
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 53.920      53.920
## BW bias (b)                 96.919      96.919
## rho (h/b)                    0.556       0.556
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            296         508
## Order est. (p)                   1           1
```

```
## Order bias  (q)                 2          2
## BW est. (h)                53.920     53.920
## BW bias (b)                96.919     96.919
## rho (h/b)                   0.556      0.556
## Unique Obs.                  2357       2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.173     0.080     2.170     0.030     [0.017 , 0.329]
##         Robust         -         -     2.044     0.041     [0.008 , 0.379]
## ===============================================================================
## Point 54 of 336
## Minimum treated distance is  1.870872
## There are 66 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.6751
## There are 44 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2671       3522
## Eff. Number of Obs.           353        758
## Order est. (p)                  1          1
## Order bias  (q)                 2          2
## BW est. (h)                62.670     62.670
## BW bias (b)               107.342    107.342
## rho (h/b)                   0.584      0.584
## Unique Obs.                  2357       2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2671       3522
## Eff. Number of Obs.           353        758
## Order est. (p)                  1          1
## Order bias  (q)                 2          2
## BW est. (h)                62.670     62.670
## BW bias (b)               107.342    107.342
## rho (h/b)                   0.584      0.584
## Unique Obs.                  2357       2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.147     0.079     1.868     0.062    [-0.007 , 0.301]
```

```
##         Robust         -         -     1.664     0.096    [-0.029 , 0.352]
## ================================================================================
## Point 55 of 336
## Minimum treated distance is  1.581702
## There are 63 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.555321
## There are 50 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            351         699
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 61.032      61.032
## BW bias (b)                105.122     105.122
## rho (h/b)                    0.581       0.581
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            351         699
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 61.032      61.032
## BW bias (b)                105.122     105.122
## rho (h/b)                    0.581       0.581
## Unique Obs.                   2357        2951
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional     0.153     0.076     2.025     0.043     [0.005 , 0.302]
##         Robust         -         -     1.830     0.067    [-0.012 , 0.352]
## ================================================================================
## Point 56 of 336
## Minimum treated distance is  1.636951
## There are 59 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.627658
## There are 53 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
```

```
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            380         727
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 62.879      62.879
## BW bias (b)                105.865     105.865
## rho (h/b)                    0.594       0.594
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            380         727
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 62.879      62.879
## BW bias (b)                105.865     105.865
## rho (h/b)                    0.594       0.594
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.147     0.076     1.933     0.053    [-0.002 , 0.296]
##         Robust         -         -     1.713     0.087    [-0.023 , 0.346]
## ===============================================================================
## Point 57 of 336
## Minimum treated distance is  1.463738
## There are 59 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.126525
## There are 56 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            373         715
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 61.458      61.458
```

```
## BW bias (b)                105.217     105.217
## rho (h/b)                    0.584       0.584
## Unique Obs.                 2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            373         715
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 61.458      61.458
## BW bias (b)                105.217     105.217
## rho (h/b)                    0.584       0.584
## Unique Obs.                 2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.158     0.074     2.120     0.034     [0.012 , 0.304]
##         Robust         -         -     1.895     0.058    [-0.006 , 0.353]
## ===============================================================================
## Point 58 of 336
## Minimum treated distance is  1.756946
## There are 64 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.928363
## There are 51 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            379         781
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 63.121      63.121
## BW bias (b)                107.604     107.604
## rho (h/b)                    0.587       0.587
## Unique Obs.                 2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
```

```
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             379         781
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  63.121      63.121
## BW bias (b)                 107.604     107.604
## rho (h/b)                     0.587       0.587
## Unique Obs.                    2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.152     0.073     2.091     0.036     [0.010 , 0.295]
##         Robust         -         -     1.837     0.066    [-0.011 , 0.342]
## ===============================================================================
## Point 59 of 336
## Minimum treated distance is  1.480049
## There are 72 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.82925
## There are 48 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             372         789
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  62.756      62.756
## BW bias (b)                 107.989     107.989
## rho (h/b)                     0.581       0.581
## Unique Obs.                    2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             372         789
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  62.756      62.756
## BW bias (b)                 107.989     107.989
## rho (h/b)                     0.581       0.581
## Unique Obs.                    2357        2951
##
```

```
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional     0.156     0.074     2.105     0.035     [0.011 , 0.302]
##         Robust         -         -     1.850     0.064    [-0.010 , 0.350]
## ================================================================================
## Point 60 of 336
## Minimum treated distance is  0.8028596
## There are 75 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.949775
## There are 47 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            364         782
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 62.188      62.188
## BW bias (b)                107.663     107.663
## rho (h/b)                    0.578       0.578
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            364         782
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 62.188      62.188
## BW bias (b)                107.663     107.663
## rho (h/b)                    0.578       0.578
## Unique Obs.                   2357        2951
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional     0.161     0.075     2.141     0.032     [0.014 , 0.309]
##         Robust         -         -     1.887     0.059    [-0.007 , 0.359]
## ================================================================================
## Point 61 of 336
## Minimum treated distance is  2.556969
## There are 47 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.187738
```

```
## There are 69 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            349         527
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 55.547      55.547
## BW bias (b)                 98.880      98.880
## rho (h/b)                    0.562       0.562
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            349         527
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 55.547      55.547
## BW bias (b)                 98.880      98.880
## rho (h/b)                    0.562       0.562
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.195     0.077     2.526     0.012     [0.044 , 0.347]
##         Robust         -         -     2.321     0.020     [0.033 , 0.397]
## ===============================================================================
## Point 62 of 336
## Minimum treated distance is  1.930668
## There are 54 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.733897
## There are 64 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
```

```
## Eff. Number of Obs.            360         600
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 57.447      57.447
## BW bias (b)                101.175     101.175
## rho (h/b)                    0.568       0.568
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            360         600
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 57.447      57.447
## BW bias (b)                101.175     101.175
## rho (h/b)                    0.568       0.568
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.184     0.073     2.531     0.011     [0.042 , 0.326]
##         Robust         -         -     2.294     0.022     [0.029 , 0.374]
## ===============================================================================
## Point 63 of 336
## Minimum treated distance is  2.544099
## There are 61 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.068141
## There are 60 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            372         689
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 60.274      60.274
## BW bias (b)                104.038     104.038
## rho (h/b)                    0.579       0.579
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
```

```
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            372         689
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 60.274      60.274
## BW bias (b)                104.038     104.038
## rho (h/b)                    0.579       0.579
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.168     0.072     2.314     0.021     [0.026 , 0.310]
##         Robust         -         -     2.063     0.039     [0.009 , 0.357]
## ===============================================================================
## Point 64 of 336
## Minimum treated distance is  2.66439
## There are 47 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.592232
## There are 70 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            301         412
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 48.475      48.475
## BW bias (b)                 91.007      91.007
## rho (h/b)                    0.533       0.533
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            301         412
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 48.475      48.475
```

```
## BW bias (b)                 91.007      91.007
## rho (h/b)                    0.533       0.533
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.214     0.076     2.819     0.005     [0.065 , 0.364]
##         Robust         -         -     2.694     0.007     [0.066 , 0.416]
## ===============================================================================
## Point 65 of 336
## Minimum treated distance is  2.340637
## There are 52 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  0.8523695
## There are 68 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            313         457
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 50.658      50.658
## BW bias (b)                 92.916      92.916
## rho (h/b)                    0.545       0.545
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            313         457
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 50.658      50.658
## BW bias (b)                 92.916      92.916
## rho (h/b)                    0.545       0.545
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.201     0.076     2.647     0.008     [0.052 , 0.350]
##         Robust         -         -     2.522     0.012     [0.050 , 0.403]
## ===============================================================================
```

```
## Point 66 of 336
## Minimum treated distance is  1.586276
## There are 34 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  3.490485
## There are 81 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            265         305
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.097      44.097
## BW bias (b)                 88.023      88.023
## rho (h/b)                    0.501       0.501
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            265         305
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.097      44.097
## BW bias (b)                 88.023      88.023
## rho (h/b)                    0.501       0.501
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.258     0.085     3.050     0.002     [0.092 , 0.424]
##         Robust         -         -     2.953     0.003     [0.097 , 0.480]
## ===============================================================================
## Point 67 of 336
## Minimum treated distance is  2.469842
## There are 40 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.00506
## There are 71 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
```

```
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            337         477
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 53.304      53.304
## BW bias (b)                 96.526      96.526
## rho (h/b)                    0.552       0.552
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            337         477
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 53.304      53.304
## BW bias (b)                 96.526      96.526
## rho (h/b)                    0.552       0.552
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.210     0.081     2.592     0.010     [0.051 , 0.369]
##         Robust         -         -     2.406     0.016     [0.043 , 0.423]
## ===============================================================================
## Point 68 of 336
## Minimum treated distance is  2.518102
## There are 34 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.461478
## There are 83 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            307         328
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 46.455      46.455
## BW bias (b)                 88.742      88.742
## rho (h/b)                    0.523       0.523
```

```
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            307         328
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 46.455      46.455
## BW bias (b)                 88.742      88.742
## rho (h/b)                    0.523       0.523
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.247     0.079     3.125     0.002     [0.092 , 0.401]
##         Robust         -         -     2.944     0.003     [0.091 , 0.454]
## ===============================================================================
## Point 69 of 336
## Minimum treated distance is  1.936662
## There are 39 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.085161
## There are 79 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            281         321
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.815      44.815
## BW bias (b)                 86.134      86.134
## rho (h/b)                    0.520       0.520
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                2671        3522
```

```
## Eff. Number of Obs.            281         321
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.815      44.815
## BW bias (b)                 86.134      86.134
## rho (h/b)                    0.520       0.520
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.239     0.082     2.930     0.003     [0.079 , 0.399]
##         Robust         -         -     2.834     0.005     [0.083 , 0.455]
## ===============================================================================
## Point 70 of 336
## Minimum treated distance is  0.6902216
## There are 77 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.663179
## There are 43 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            356         787
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 61.664      61.664
## BW bias (b)                107.147     107.147
## rho (h/b)                    0.576       0.576
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            356         787
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 61.664      61.664
## BW bias (b)                107.147     107.147
## rho (h/b)                    0.576       0.576
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
```

```
## ===============================================================================
##   Conventional     0.165     0.077     2.133     0.033     [0.013 , 0.317]
##         Robust         -         -     1.892     0.059    [-0.007 , 0.368]
## ===============================================================================
## Point 71 of 336
## Minimum treated distance is  2.77935
## There are 69 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.599404
## There are 53 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            371         743
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 60.711      60.711
## BW bias (b)                104.854     104.854
## rho (h/b)                    0.579       0.579
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            371         743
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 60.711      60.711
## BW bias (b)                104.854     104.854
## rho (h/b)                    0.579       0.579
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.165     0.074     2.231     0.026     [0.020 , 0.311]
##         Robust         -         -     2.000     0.046     [0.004 , 0.360]
## ===============================================================================
## Point 72 of 336
## Minimum treated distance is  3.06155
## There are 53 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  0.8334196
## There are 63 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
```

```
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            276         395
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 46.513      46.513
## BW bias (b)                 88.275      88.275
## rho (h/b)                    0.527       0.527
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            276         395
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 46.513      46.513
## BW bias (b)                 88.275      88.275
## rho (h/b)                    0.527       0.527
## Unique Obs.                   2357        2951
##
## =============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## =============================================================================
##   Conventional     0.207     0.080     2.596     0.009     [0.051 , 0.364]
##         Robust         -         -     2.537     0.011     [0.054 , 0.419]
## =============================================================================
## Point 73 of 336
## Minimum treated distance is  2.260877
## There are 45 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.030522
## There are 70 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            278         345
## Order est. (p)                   1           1
```

```
## Order bias  (q)                 2          2
## BW est. (h)                45.230     45.230
## BW bias (b)                86.487     86.487
## rho (h/b)                   0.523      0.523
## Unique Obs.                 2357       2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671       3522
## Eff. Number of Obs.            278        345
## Order est. (p)                   1          1
## Order bias  (q)                  2          2
## BW est. (h)                45.230     45.230
## BW bias (b)                86.487     86.487
## rho (h/b)                   0.523      0.523
## Unique Obs.                 2357       2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.221     0.074     2.982     0.003     [0.076 , 0.366]
##         Robust         -         -     2.884     0.004     [0.079 , 0.416]
## ===============================================================================
## Point 74 of 336
## Minimum treated distance is  2.187382
## There are 49 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  0.7912392
## There are 65 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671       3522
## Eff. Number of Obs.            280        388
## Order est. (p)                   1          1
## Order bias  (q)                  2          2
## BW est. (h)                46.793     46.793
## BW bias (b)                87.704     87.704
## rho (h/b)                   0.534      0.534
## Unique Obs.                 2357       2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
```

```
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            280         388
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 46.793      46.793
## BW bias (b)                 87.704      87.704
## rho (h/b)                    0.534       0.534
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.209     0.078     2.694     0.007     [0.057 , 0.361]
##         Robust         -         -     2.615     0.009     [0.059 , 0.414]
## ===============================================================================
## Point 75 of 336
## Minimum treated distance is  2.009202
## There are 45 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.17903
## There are 71 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            372         498
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 54.003      54.003
## BW bias (b)                 93.111      93.111
## rho (h/b)                    0.580       0.580
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            372         498
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 54.003      54.003
## BW bias (b)                 93.111      93.111
## rho (h/b)                    0.580       0.580
```

```
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.182     0.068     2.673     0.008     [0.049 , 0.316]
##         Robust         -         -     2.426     0.015     [0.038 , 0.360]
## ===============================================================================
## Point 76 of 336
## Minimum treated distance is  1.698464
## There are 51 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.423429
## There are 69 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            435         640
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 59.794      59.794
## BW bias (b)                 99.526      99.526
## rho (h/b)                    0.601       0.601
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            435         640
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 59.794      59.794
## BW bias (b)                 99.526      99.526
## rho (h/b)                    0.601       0.601
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.164     0.066     2.487     0.013     [0.035 , 0.294]
##         Robust         -         -     2.200     0.028     [0.019 , 0.336]
## ===============================================================================
## Point 77 of 336
## Minimum treated distance is  2.943335
```

```
## There are 63 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.409228
## There are 65 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            373         597
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 56.218      56.218
## BW bias (b)                 95.177      95.177
## rho (h/b)                    0.591       0.591
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            373         597
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 56.218      56.218
## BW bias (b)                 95.177      95.177
## rho (h/b)                    0.591       0.591
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.168     0.071     2.356     0.018     [0.028 , 0.308]
##         Robust         -         -     2.137     0.033     [0.015 , 0.354]
## ===============================================================================
## Point 78 of 336
## Minimum treated distance is  1.290995
## There are 69 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.277474
## There are 61 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
```

```
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             309         509
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  51.151      51.151
## BW bias (b)                  90.363      90.363
## rho (h/b)                     0.566       0.566
## Unique Obs.                    2357        2951
##
## Call: rdrobust
##
## Number of Obs.                  6193
## BW type                        mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             309         509
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  51.151      51.151
## BW bias (b)                  90.363      90.363
## rho (h/b)                     0.566       0.566
## Unique Obs.                    2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.174     0.078     2.226     0.026     [0.021 , 0.328]
##         Robust         -         -     2.111     0.035     [0.014 , 0.379]
## ===============================================================================
## Point 79 of 336
## Minimum treated distance is  1.523735
## There are 79 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.909958
## There are 52 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                  6193
## BW type                        mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             298         514
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  50.442      50.442
## BW bias (b)                  90.186      90.186
## rho (h/b)                     0.559       0.559
## Unique Obs.                    2357        2951
##
```

```
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            298         514
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 50.442      50.442
## BW bias (b)                 90.186      90.186
## rho (h/b)                    0.559       0.559
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.171     0.075     2.277     0.023     [0.024 , 0.317]
##         Robust         -         -     2.162     0.031     [0.018 , 0.366]
## ===============================================================================
## Point 80 of 336
## Minimum treated distance is  3.140224
## There are 80 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.195721
## There are 55 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            313         531
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 51.532      51.532
## BW bias (b)                 90.936      90.936
## rho (h/b)                    0.567       0.567
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            313         531
## Order est. (p)                   1           1
```

```
## Order bias  (q)                 2          2
## BW est. (h)                51.532     51.532
## BW bias (b)                90.936     90.936
## rho (h/b)                   0.567      0.567
## Unique Obs.                  2357       2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.164     0.069     2.382     0.017     [0.029 , 0.298]
##         Robust         -         -     2.227     0.026     [0.022 , 0.342]
## ===============================================================================
## Point 81 of 336
## Minimum treated distance is  3.860723
## There are 82 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.317816
## There are 60 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2671       3522
## Eff. Number of Obs.           394        652
## Order est. (p)                  1          1
## Order bias  (q)                 2          2
## BW est. (h)                57.544     57.544
## BW bias (b)                98.845     98.845
## rho (h/b)                   0.582      0.582
## Unique Obs.                  2357       2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2671       3522
## Eff. Number of Obs.           394        652
## Order est. (p)                  1          1
## Order bias  (q)                 2          2
## BW est. (h)                57.544     57.544
## BW bias (b)                98.845     98.845
## rho (h/b)                   0.582      0.582
## Unique Obs.                  2357       2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.165     0.069     2.402     0.016     [0.030 , 0.300]
```

```
##         Robust         -         -     2.217     0.027     [0.021 , 0.345]
## ================================================================================
## Point 82 of 336
## Minimum treated distance is  1.842729
## There are 93 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  0.2234111
## There are 47 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            303         553
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 51.060      51.060
## BW bias (b)                 90.271      90.271
## rho (h/b)                    0.566       0.566
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            303         553
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 51.060      51.060
## BW bias (b)                 90.271      90.271
## rho (h/b)                    0.566       0.566
## Unique Obs.                   2357        2951
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional     0.159     0.075     2.122     0.034     [0.012 , 0.306]
##         Robust         -         -     1.999     0.046     [0.003 , 0.354]
## ================================================================================
## Point 83 of 336
## Minimum treated distance is  2.636093
## There are 83 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  0.6286274
## There are 57 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
```

```
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            379         642
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 56.556      56.556
## BW bias (b)                 98.222      98.222
## rho (h/b)                    0.576       0.576
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            379         642
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 56.556      56.556
## BW bias (b)                 98.222      98.222
## rho (h/b)                    0.576       0.576
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.165     0.067     2.459     0.014     [0.033 , 0.296]
##         Robust         -         -     2.285     0.022     [0.026 , 0.340]
## ===============================================================================
## Point 84 of 336
## Minimum treated distance is  1.506295
## There are 92 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  0.8945713
## There are 51 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            342         626
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 54.880      54.880
```

```
## BW bias (b)                 97.097      97.097
## rho (h/b)                    0.565       0.565
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            342         626
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 54.880      54.880
## BW bias (b)                 97.097      97.097
## rho (h/b)                    0.565       0.565
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.164     0.071     2.303     0.021     [0.024 , 0.303]
##         Robust         -         -     2.145     0.032     [0.016 , 0.350]
## ===============================================================================
## Point 85 of 336
## Minimum treated distance is  1.291368
## There are 86 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.024092
## There are 55 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            411         712
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 59.038      59.038
## BW bias (b)                103.066     103.066
## rho (h/b)                    0.573       0.573
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
```

```
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             411         712
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  59.038      59.038
## BW bias (b)                 103.066     103.066
## rho (h/b)                     0.573       0.573
## Unique Obs.                    2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.167     0.065     2.580     0.010     [0.040 , 0.293]
##         Robust         -         -     2.371     0.018     [0.032 , 0.337]
## ===============================================================================
## Point 86 of 336
## Minimum treated distance is  1.663425
## There are 84 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.141593
## There are 61 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             462         779
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  62.109      62.109
## BW bias (b)                 107.686     107.686
## rho (h/b)                     0.577       0.577
## Unique Obs.                    2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             462         779
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  62.109      62.109
## BW bias (b)                 107.686     107.686
## rho (h/b)                     0.577       0.577
## Unique Obs.                    2357        2951
##
```

```
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.162     0.065     2.481     0.013     [0.034 , 0.290]
##         Robust         -         -     2.267     0.023     [0.024 , 0.335]
## ===============================================================================
## Point 87 of 336
## Minimum treated distance is  2.134858
## There are 81 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.608661
## There are 63 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            595        1046
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 70.970      70.970
## BW bias (b)                119.174     119.174
## rho (h/b)                    0.596       0.596
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            595        1046
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 70.970      70.970
## BW bias (b)                119.174     119.174
## rho (h/b)                    0.596       0.596
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.148     0.059     2.519     0.012     [0.033 , 0.262]
##         Robust         -         -     2.220     0.026     [0.019 , 0.305]
## ===============================================================================
## Point 88 of 336
## Minimum treated distance is  1.874868
## There are 83 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.511375
```

```
## There are 63 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            716        1223
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 77.305      77.305
## BW bias (b)                129.883     129.883
## rho (h/b)                    0.595       0.595
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            716        1223
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 77.305      77.305
## BW bias (b)                129.883     129.883
## rho (h/b)                    0.595       0.595
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.143     0.054     2.671     0.008     [0.038 , 0.248]
##         Robust         -         -     2.355     0.019     [0.026 , 0.289]
## ===============================================================================
## Point 89 of 336
## Minimum treated distance is  1.245967
## There are 80 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.191989
## There are 66 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
```

```
## Eff. Number of Obs.            668        1118
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 73.768      73.768
## BW bias (b)                125.107     125.107
## rho (h/b)                    0.590       0.590
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            668        1118
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 73.768      73.768
## BW bias (b)                125.107     125.107
## rho (h/b)                    0.590       0.590
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.150     0.055     2.710     0.007     [0.041 , 0.258]
##         Robust         -         -     2.404     0.016     [0.031 , 0.300]
## ===============================================================================
## Point 90 of 336
## Minimum treated distance is  1.199866
## There are 80 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.850917
## There are 70 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            484         748
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 61.345      61.345
## BW bias (b)                108.809     108.809
## rho (h/b)                    0.564       0.564
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
```

```
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            484         748
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 61.345      61.345
## BW bias (b)                108.809     108.809
## rho (h/b)                    0.564       0.564
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.153     0.064     2.406     0.016     [0.028 , 0.278]
##         Robust         -         -     2.224     0.026     [0.020 , 0.323]
## ===============================================================================
## Point 91 of 336
## Minimum treated distance is  1.917686
## There are 76 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.726832
## There are 71 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            447         675
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 58.619      58.619
## BW bias (b)                103.517     103.517
## rho (h/b)                    0.566       0.566
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            447         675
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 58.619      58.619
```

```
## BW bias (b)                103.517     103.517
## rho (h/b)                    0.566       0.566
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.149     0.065     2.308     0.021     [0.022 , 0.276]
##         Robust         -         -     2.115     0.034     [0.012 , 0.320]
## ===============================================================================
## Point 92 of 336
## Minimum treated distance is  1.674387
## There are 69 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.348232
## There are 74 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            417         598
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 55.148      55.148
## BW bias (b)                 95.187      95.187
## rho (h/b)                    0.579       0.579
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            417         598
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 55.148      55.148
## BW bias (b)                 95.187      95.187
## rho (h/b)                    0.579       0.579
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.141     0.069     2.056     0.040     [0.007 , 0.275]
##         Robust         -         -     1.802     0.072    [-0.013 , 0.317]
## ===============================================================================
```

```
## Point 93 of 336
## Minimum treated distance is  1.656769
## There are 70 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.18414
## There are 72 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            427         616
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 56.140      56.140
## BW bias (b)                 99.239      99.239
## rho (h/b)                    0.566       0.566
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            427         616
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 56.140      56.140
## BW bias (b)                 99.239      99.239
## rho (h/b)                    0.566       0.566
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.147     0.064     2.297     0.022     [0.022 , 0.272]
##         Robust         -         -     2.063     0.039     [0.008 , 0.312]
## ===============================================================================
## Point 94 of 336
## Minimum treated distance is  1.724854
## There are 69 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.505194
## There are 72 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
```

```
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            411         595
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 54.930      54.930
## BW bias (b)                 94.601      94.601
## rho (h/b)                    0.581       0.581
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            411         595
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 54.930      54.930
## BW bias (b)                 94.601      94.601
## rho (h/b)                    0.581       0.581
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.139     0.070     1.992     0.046     [0.002 , 0.276]
##         Robust         -         -     1.736     0.083    [-0.019 , 0.318]
## ===============================================================================
## Point 95 of 336
## Minimum treated distance is  2.045831
## There are 73 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.9436
## There are 71 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            408         587
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 54.585      54.585
## BW bias (b)                 93.546      93.546
## rho (h/b)                    0.584       0.584
```

```
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            408         587
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 54.585      54.585
## BW bias (b)                 93.546      93.546
## rho (h/b)                    0.584       0.584
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.134     0.073     1.837     0.066    [-0.009 , 0.276]
##         Robust         -         -     1.575     0.115    [-0.035 , 0.318]
## ===============================================================================
## Point 96 of 336
## Minimum treated distance is  2.857953
## There are 76 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.909591
## There are 67 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            358         523
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 51.307      51.307
## BW bias (b)                 88.571      88.571
## rho (h/b)                    0.579       0.579
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                2671        3522
```

```
## Eff. Number of Obs.            358         523
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 51.307      51.307
## BW bias (b)                 88.571      88.571
## rho (h/b)                    0.579       0.579
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.125     0.073     1.717     0.086    [-0.018 , 0.267]
##         Robust         -         -     1.390     0.164    [-0.051 , 0.300]
## ===============================================================================
## Point 97 of 336
## Minimum treated distance is  1.769794
## There are 75 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.026257
## There are 67 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            306         472
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 48.160      48.160
## BW bias (b)                 85.356      85.356
## rho (h/b)                    0.564       0.564
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            306         472
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 48.160      48.160
## BW bias (b)                 85.356      85.356
## rho (h/b)                    0.564       0.564
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
```

```
## ================================================================================
##   Conventional     0.108     0.075     1.441     0.150    [-0.039 , 0.254]
##         Robust         -         -     1.075     0.282    [-0.080 , 0.276]
## ================================================================================
## Point 98 of 336
## Minimum treated distance is  2.169916
## There are 78 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.278304
## There are 67 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            270         413
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.447      45.447
## BW bias (b)                 82.726      82.726
## rho (h/b)                    0.549       0.549
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            270         413
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.447      45.447
## BW bias (b)                 82.726      82.726
## rho (h/b)                    0.549       0.549
## Unique Obs.                   2357        2951
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional     0.089     0.080     1.117     0.264    [-0.067 , 0.245]
##         Robust         -         -     0.761     0.446    [-0.114 , 0.258]
## ================================================================================
## Point 99 of 336
## Minimum treated distance is  1.959581
## There are 77 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.735165
## There are 65 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
```

```
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            264         417
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.076      45.076
## BW bias (b)                 82.799      82.799
## rho (h/b)                    0.544       0.544
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            264         417
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.076      45.076
## BW bias (b)                 82.799      82.799
## rho (h/b)                    0.544       0.544
## Unique Obs.                   2357        2951
##
## =============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## =============================================================================
##   Conventional     0.081     0.085     0.957     0.338    [-0.085 , 0.247]
##         Robust         -         -     0.616     0.538    [-0.135 , 0.259]
## =============================================================================
## Point 100 of 336
## Minimum treated distance is  1.489293
## There are 86 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.133023
## There are 64 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            216         353
## Order est. (p)                   1           1
```

```
## Order bias  (q)                 2          2
## BW est. (h)                40.755     40.755
## BW bias (b)                81.648     81.648
## rho (h/b)                   0.499      0.499
## Unique Obs.                 2357       2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671       3522
## Eff. Number of Obs.            216        353
## Order est. (p)                   1          1
## Order bias  (q)                  2          2
## BW est. (h)                40.755     40.755
## BW bias (b)                81.648     81.648
## rho (h/b)                   0.499      0.499
## Unique Obs.                 2357       2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.034     0.082     0.408     0.683    [-0.128 , 0.195]
##         Robust         -         -     0.100     0.920    [-0.176 , 0.195]
## ===============================================================================
## Point 101 of 336
## Minimum treated distance is  1.778367
## There are 87 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.206527
## There are 64 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671       3522
## Eff. Number of Obs.            210        347
## Order est. (p)                   1          1
## Order bias  (q)                  2          2
## BW est. (h)                40.286     40.286
## BW bias (b)                81.389     81.389
## rho (h/b)                   0.495      0.495
## Unique Obs.                 2357       2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
```

```
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            210         347
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 40.286      40.286
## BW bias (b)                 81.389      81.389
## rho (h/b)                    0.495       0.495
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.026     0.082     0.314     0.754    [-0.135 , 0.187]
##         Robust         -         -     0.015     0.988    [-0.183 , 0.186]
## ===============================================================================
## Point 102 of 336
## Minimum treated distance is  1.114153
## There are 83 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.662891
## There are 64 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            229         365
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.632      41.632
## BW bias (b)                 81.111      81.111
## rho (h/b)                    0.513       0.513
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            229         365
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.632      41.632
## BW bias (b)                 81.111      81.111
## rho (h/b)                    0.513       0.513
```

```
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.049     0.082     0.600     0.548    [-0.112 , 0.211]
##         Robust         -         -     0.261     0.794    [-0.162 , 0.212]
## ===============================================================================
## Point 103 of 336
## Minimum treated distance is  1.192652
## There are 90 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.81433
## There are 62 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            223         375
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.678      41.678
## BW bias (b)                 82.946      82.946
## rho (h/b)                    0.502       0.502
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            223         375
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.678      41.678
## BW bias (b)                 82.946      82.946
## rho (h/b)                    0.502       0.502
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.021     0.083     0.259     0.796    [-0.141 , 0.183]
##         Robust         -         -    -0.028     0.978    [-0.188 , 0.183]
## ===============================================================================
## Point 104 of 336
## Minimum treated distance is  1.457342
```

```
## There are 100 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.166517
## There are 55 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            224         382
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 42.022      42.022
## BW bias (b)                 84.362      84.362
## rho (h/b)                    0.498       0.498
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            224         382
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 42.022      42.022
## BW bias (b)                 84.362      84.362
## rho (h/b)                    0.498       0.498
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.006     0.080     0.074     0.941    [-0.152 , 0.163]
##         Robust         -         -    -0.190     0.849    [-0.198 , 0.163]
## ===============================================================================
## Point 105 of 336
## Minimum treated distance is  1.219917
## There are 104 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.496258
## There are 55 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
```

```
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             220         399
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  41.868      41.868
## BW bias (b)                  84.955      84.955
## rho (h/b)                     0.493       0.493
## Unique Obs.                    2357        2951
##
## Call: rdrobust
##
## Number of Obs.                  6193
## BW type                        mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             220         399
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  41.868      41.868
## BW bias (b)                  84.955      84.955
## rho (h/b)                     0.493       0.493
## Unique Obs.                    2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.003     0.077    -0.038     0.970    [-0.155 , 0.149]
##         Robust         -         -    -0.288     0.774    [-0.199 , 0.148]
## ===============================================================================
## Point 106 of 336
## Minimum treated distance is  1.225949
## There are 107 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.650184
## There are 52 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                  6193
## BW type                        mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             218         400
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  41.962      41.962
## BW bias (b)                  85.462      85.462
## rho (h/b)                     0.491       0.491
## Unique Obs.                    2357        2951
##
```

```
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            218         400
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.962      41.962
## BW bias (b)                 85.462      85.462
## rho (h/b)                    0.491       0.491
## Unique Obs.                  2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.006     0.076    -0.084     0.933    [-0.156 , 0.143]
##         Robust         -         -    -0.320     0.749    [-0.198 , 0.143]
## ===============================================================================
## Point 107 of 336
## Minimum treated distance is  1.330065
## There are 111 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.705531
## There are 49 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            327         582
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.204      49.204
## BW bias (b)                 89.686      89.686
## rho (h/b)                    0.549       0.549
## Unique Obs.                  2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            327         582
## Order est. (p)                   1           1
```

```
## Order bias  (q)                 2          2
## BW est. (h)                49.204     49.204
## BW bias (b)                89.686     89.686
## rho (h/b)                   0.549      0.549
## Unique Obs.                  2357       2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.045     0.065     0.683     0.495    [-0.083 , 0.172]
##         Robust         -         -     0.404     0.686    [-0.123 , 0.187]
## ===============================================================================
## Point 108 of 336
## Minimum treated distance is  2.183516
## There are 114 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.609531
## There are 46 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2671       3522
## Eff. Number of Obs.           363        645
## Order est. (p)                  1          1
## Order bias  (q)                 2          2
## BW est. (h)                51.459     51.459
## BW bias (b)                92.043     92.043
## rho (h/b)                   0.559      0.559
## Unique Obs.                  2357       2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2671       3522
## Eff. Number of Obs.           363        645
## Order est. (p)                  1          1
## Order bias  (q)                 2          2
## BW est. (h)                51.459     51.459
## BW bias (b)                92.043     92.043
## rho (h/b)                   0.559      0.559
## Unique Obs.                  2357       2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.060     0.058     1.034     0.301    [-0.054 , 0.174]
```

```
##         Robust         -         -     0.776     0.438    [-0.085 , 0.195]
## ================================================================================
## Point 109 of 336
## Minimum treated distance is  2.376989
## There are 114 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.171913
## There are 46 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            397         710
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 53.789      53.789
## BW bias (b)                 95.838      95.838
## rho (h/b)                    0.561       0.561
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            397         710
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 53.789      53.789
## BW bias (b)                 95.838      95.838
## rho (h/b)                    0.561       0.561
## Unique Obs.                   2357        2951
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional     0.077     0.057     1.343     0.179    [-0.035 , 0.190]
##         Robust         -         -     1.198     0.231    [-0.054 , 0.223]
## ================================================================================
## Point 110 of 336
## Minimum treated distance is  2.124628
## There are 115 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.52448
## There are 46 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
```

```
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            365         658
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 51.486      51.486
## BW bias (b)                100.134     100.134
## rho (h/b)                    0.514       0.514
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            365         658
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 51.486      51.486
## BW bias (b)                100.134     100.134
## rho (h/b)                    0.514       0.514
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.063     0.058     1.080     0.280    [-0.051 , 0.176]
##         Robust         -         -     1.174     0.240    [-0.054 , 0.216]
## ===============================================================================
## Point 111 of 336
## Minimum treated distance is  1.224202
## There are 103 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  3.364284
## There are 47 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            360         627
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 50.354      50.354
```

```
## BW bias (b)                100.976     100.976
## rho (h/b)                    0.499       0.499
## Unique Obs.                 2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            360         627
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 50.354      50.354
## BW bias (b)                100.976     100.976
## rho (h/b)                    0.499       0.499
## Unique Obs.                 2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.065     0.065     1.006     0.314    [-0.062 , 0.192]
##         Robust         -         -     1.164     0.245    [-0.060 , 0.237]
## ===============================================================================
## Point 112 of 336
## Minimum treated distance is  3.327672
## There are 94 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.181995
## There are 60 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            368         553
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 48.956      48.956
## BW bias (b)                 99.146      99.146
## rho (h/b)                    0.494       0.494
## Unique Obs.                 2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
```

```
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             368         553
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  48.956      48.956
## BW bias (b)                  99.146      99.146
## rho (h/b)                     0.494       0.494
## Unique Obs.                    2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.080     0.066     1.217     0.223    [-0.049 , 0.210]
##         Robust         -         -     1.365     0.172    [-0.046 , 0.255]
## ===============================================================================
## Point 113 of 336
## Minimum treated distance is  1.97682
## There are 79 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.288741
## There are 78 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             378         481
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  47.768      47.768
## BW bias (b)                  96.359      96.359
## rho (h/b)                     0.496       0.496
## Unique Obs.                    2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             378         481
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  47.768      47.768
## BW bias (b)                  96.359      96.359
## rho (h/b)                     0.496       0.496
## Unique Obs.                    2357        2951
##
```

```
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional     0.099     0.067     1.494     0.135    [-0.031 , 0.230]
##         Robust         -         -     1.591     0.112    [-0.028 , 0.274]
## ================================================================================
## Point 114 of 336
## Minimum treated distance is  4.089983
## There are 60 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.404438
## There are 89 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            422         439
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 48.362      48.362
## BW bias (b)                 92.873      92.873
## rho (h/b)                    0.521       0.521
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            422         439
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 48.362      48.362
## BW bias (b)                 92.873      92.873
## rho (h/b)                    0.521       0.521
## Unique Obs.                   2357        2951
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional     0.121     0.065     1.873     0.061    [-0.006 , 0.247]
##         Robust         -         -     1.852     0.064    [-0.008 , 0.289]
## ================================================================================
## Point 115 of 336
## Minimum treated distance is  3.327009
## There are 57 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.618765
```

```
## There are 92 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            441         442
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.106      49.106
## BW bias (b)                 90.042      90.042
## rho (h/b)                    0.545       0.545
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            441         442
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.106      49.106
## BW bias (b)                 90.042      90.042
## rho (h/b)                    0.545       0.545
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.143     0.063     2.275     0.023     [0.020 , 0.265]
##         Robust         -         -     2.111     0.035     [0.011 , 0.304]
## ===============================================================================
## Point 116 of 336
## Minimum treated distance is  1.2626
## There are 55 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.845236
## There are 93 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
```

```
## Eff. Number of Obs.            449         423
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 48.739      48.739
## BW bias (b)                 87.399      87.399
## rho (h/b)                    0.558       0.558
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            449         423
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 48.739      48.739
## BW bias (b)                 87.399      87.399
## rho (h/b)                    0.558       0.558
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.159     0.062     2.579     0.010     [0.038 , 0.280]
##         Robust         -         -     2.329     0.020     [0.027 , 0.317]
## ===============================================================================
## Point 117 of 336
## Minimum treated distance is  1.791063
## There are 44 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.906275
## There are 92 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            458         393
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 48.126      48.126
## BW bias (b)                 84.465      84.465
## rho (h/b)                    0.570       0.570
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
```

```
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            458         393
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 48.126      48.126
## BW bias (b)                 84.465      84.465
## rho (h/b)                    0.570       0.570
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.170     0.065     2.622     0.009     [0.043 , 0.297]
##         Robust         -         -     2.315     0.021     [0.028 , 0.335]
## ===============================================================================
## Point 118 of 336
## Minimum treated distance is  2.074337
## There are 43 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.590802
## There are 91 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            429         364
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 46.342      46.342
## BW bias (b)                 81.485      81.485
## rho (h/b)                    0.569       0.569
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            429         364
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 46.342      46.342
```

```
## BW bias (b)                 81.485      81.485
## rho (h/b)                    0.569       0.569
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.174     0.062     2.802     0.005     [0.052 , 0.296]
##         Robust         -         -     2.493     0.013     [0.040 , 0.332]
## ===============================================================================
## Point 119 of 336
## Minimum treated distance is  1.758221
## There are 50 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  0.6363405
## There are 94 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            423         368
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 46.095      46.095
## BW bias (b)                 81.917      81.917
## rho (h/b)                    0.563       0.563
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            423         368
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 46.095      46.095
## BW bias (b)                 81.917      81.917
## rho (h/b)                    0.563       0.563
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.181     0.064     2.839     0.005     [0.056 , 0.305]
##         Robust         -         -     2.588     0.010     [0.048 , 0.345]
## ===============================================================================
```

```
## Point 120 of 336
## Minimum treated distance is  1.684947
## There are 55 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.669672
## There are 89 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            395         359
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.851      44.851
## BW bias (b)                 80.874      80.874
## rho (h/b)                    0.555       0.555
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            395         359
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.851      44.851
## BW bias (b)                 80.874      80.874
## rho (h/b)                    0.555       0.555
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.192     0.066     2.883     0.004     [0.061 , 0.322]
##         Robust         -         -     2.695     0.007     [0.058 , 0.365]
## ===============================================================================
## Point 121 of 336
## Minimum treated distance is  0.841716
## There are 53 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.595267
## There are 96 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
```

```
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            371         304
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 42.242      42.242
## BW bias (b)                 77.718      77.718
## rho (h/b)                    0.544       0.544
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            371         304
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 42.242      42.242
## BW bias (b)                 77.718      77.718
## rho (h/b)                    0.544       0.544
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.206     0.061     3.365     0.001     [0.086 , 0.325]
##         Robust         -         -     3.171     0.002     [0.086 , 0.366]
## ===============================================================================
## Point 122 of 336
## Minimum treated distance is  1.478022
## There are 58 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.259041
## There are 96 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            340         268
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 39.731      39.731
## BW bias (b)                 74.970      74.970
## rho (h/b)                    0.530       0.530
```

```
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            340         268
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 39.731      39.731
## BW bias (b)                 74.970      74.970
## rho (h/b)                    0.530       0.530
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.229     0.065     3.547     0.000     [0.103 , 0.356]
##         Robust         -         -     3.357     0.001     [0.105 , 0.400]
## ===============================================================================
## Point 123 of 336
## Minimum treated distance is  1.753863
## There are 68 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.971666
## There are 94 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            316         251
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 38.620      38.620
## BW bias (b)                 74.825      74.825
## rho (h/b)                    0.516       0.516
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                2671        3522
```

```
## Eff. Number of Obs.            316         251
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 38.620      38.620
## BW bias (b)                 74.825      74.825
## rho (h/b)                    0.516       0.516
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.239     0.065     3.665     0.000     [0.111 , 0.366]
##         Robust         -         -     3.513     0.000     [0.117 , 0.411]
## ===============================================================================
## Point 124 of 336
## Minimum treated distance is  2.073786
## There are 73 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.471653
## There are 91 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            314         246
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 38.485      38.485
## BW bias (b)                 77.068      77.068
## rho (h/b)                    0.499       0.499
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            314         246
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 38.485      38.485
## BW bias (b)                 77.068      77.068
## rho (h/b)                    0.499       0.499
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
```

```
## ================================================================================
##   Conventional     0.253     0.066     3.845     0.000     [0.124 , 0.381]
##         Robust         -         -     3.729     0.000     [0.133 , 0.427]
## ================================================================================
## Point 125 of 336
## Minimum treated distance is  2.739369
## There are 77 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.18293
## There are 90 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            316         242
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 38.552      38.552
## BW bias (b)                 79.588      79.588
## rho (h/b)                    0.484       0.484
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            316         242
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 38.552      38.552
## BW bias (b)                 79.588      79.588
## rho (h/b)                    0.484       0.484
## Unique Obs.                   2357        2951
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional     0.265     0.076     3.508     0.000     [0.117 , 0.413]
##         Robust         -         -     3.463     0.001     [0.128 , 0.463]
## ================================================================================
## Point 126 of 336
## Minimum treated distance is  3.344138
## There are 79 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.563142
## There are 90 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
```

```
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            318         251
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 38.511      38.511
## BW bias (b)                 81.781      81.781
## rho (h/b)                    0.471       0.471
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            318         251
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 38.511      38.511
## BW bias (b)                 81.781      81.781
## rho (h/b)                    0.471       0.471
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.273     0.082     3.342     0.001     [0.113 , 0.434]
##         Robust         -         -     3.337     0.001     [0.127 , 0.487]
## ===============================================================================
## Point 127 of 336
## Minimum treated distance is  2.460341
## There are 87 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  0.7106625
## There are 85 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            312         264
## Order est. (p)                   1           1
```

```
## Order bias  (q)                 2          2
## BW est. (h)                38.979     38.979
## BW bias (b)                82.465     82.465
## rho (h/b)                   0.473      0.473
## Unique Obs.                 2357       2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671       3522
## Eff. Number of Obs.            312        264
## Order est. (p)                   1          1
## Order bias  (q)                  2          2
## BW est. (h)                38.979     38.979
## BW bias (b)                82.465     82.465
## rho (h/b)                   0.473      0.473
## Unique Obs.                 2357       2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.265     0.083     3.170     0.002     [0.101 , 0.428]
##         Robust         -         -     3.184     0.001     [0.115 , 0.482]
## ===============================================================================
## Point 128 of 336
## Minimum treated distance is  2.207881
## There are 104 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.802196
## There are 70 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671       3522
## Eff. Number of Obs.            294        328
## Order est. (p)                   1          1
## Order bias  (q)                  2          2
## BW est. (h)                40.197     40.197
## BW bias (b)                90.604     90.604
## rho (h/b)                   0.444      0.444
## Unique Obs.                 2357       2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
```

```
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            294         328
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 40.197      40.197
## BW bias (b)                 90.604      90.604
## rho (h/b)                    0.444       0.444
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.276     0.107     2.572     0.010     [0.066 , 0.486]
##         Robust         -         -     2.661     0.008     [0.083 , 0.550]
## ===============================================================================
## Point 129 of 336
## Minimum treated distance is  1.869648
## There are 91 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  0.8158807
## There are 79 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            303         280
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 39.045      39.045
## BW bias (b)                 85.409      85.409
## rho (h/b)                    0.457       0.457
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            303         280
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 39.045      39.045
## BW bias (b)                 85.409      85.409
## rho (h/b)                    0.457       0.457
```

```
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.269     0.091     2.946     0.003     [0.090 , 0.448]
##         Robust         -         -     2.994     0.003     [0.105 , 0.504]
## ===============================================================================
## Point 130 of 336
## Minimum treated distance is  1.7243
## There are 98 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.504354
## There are 76 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            286         294
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 39.137      39.137
## BW bias (b)                 87.481      87.481
## rho (h/b)                    0.447       0.447
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            286         294
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 39.137      39.137
## BW bias (b)                 87.481      87.481
## rho (h/b)                    0.447       0.447
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.273     0.098     2.776     0.006     [0.080 , 0.466]
##         Robust         -         -     2.843     0.004     [0.096 , 0.525]
## ===============================================================================
## Point 131 of 336
## Minimum treated distance is  2.124436
```

```
## There are 106 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.00055
## There are 70 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            276         307
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 39.018      39.018
## BW bias (b)                 90.055      90.055
## rho (h/b)                    0.433       0.433
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            276         307
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 39.018      39.018
## BW bias (b)                 90.055      90.055
## rho (h/b)                    0.433       0.433
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.286     0.107     2.684     0.007     [0.077 , 0.495]
##         Robust         -         -     2.778     0.005     [0.096 , 0.556]
## ===============================================================================
## Point 132 of 336
## Minimum treated distance is  1.211033
## There are 111 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.867166
## There are 69 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
```

```
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             257         280
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  37.825      37.825
## BW bias (b)                  89.109      89.109
## rho (h/b)                     0.424       0.424
## Unique Obs.                    2357        2951
##
## Call: rdrobust
##
## Number of Obs.                  6193
## BW type                        mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             257         280
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  37.825      37.825
## BW bias (b)                  89.109      89.109
## rho (h/b)                     0.424       0.424
## Unique Obs.                    2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.306     0.106     2.882     0.004     [0.098 , 0.515]
##         Robust         -         -     2.978     0.003     [0.119 , 0.575]
## ===============================================================================
## Point 133 of 336
## Minimum treated distance is  1.407378
## There are 115 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.261419
## There are 62 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                  6193
## BW type                        mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             267         300
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  38.486      38.486
## BW bias (b)                  90.363      90.363
## rho (h/b)                     0.426       0.426
## Unique Obs.                    2357        2951
##
```

```
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            267         300
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 38.486      38.486
## BW bias (b)                 90.363      90.363
## rho (h/b)                    0.426       0.426
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.323     0.115     2.802     0.005     [0.097 , 0.549]
##         Robust         -         -     2.909     0.004     [0.120 , 0.613]
## ===============================================================================
## Point 134 of 336
## Minimum treated distance is  1.770737
## There are 117 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.866632
## There are 60 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            233         274
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 36.192      36.192
## BW bias (b)                 87.075      87.075
## rho (h/b)                    0.416       0.416
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            233         274
## Order est. (p)                   1           1
```

```
## Order bias  (q)                 2          2
## BW est. (h)                36.192     36.192
## BW bias (b)                87.075     87.075
## rho (h/b)                   0.416      0.416
## Unique Obs.                  2357       2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.357     0.111     3.227     0.001     [0.140 , 0.573]
##         Robust         -         -     3.330     0.001     [0.164 , 0.635]
## ===============================================================================
## Point 135 of 336
## Minimum treated distance is  0.9782197
## There are 120 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.779792
## There are 59 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2671       3522
## Eff. Number of Obs.           247        298
## Order est. (p)                  1          1
## Order bias  (q)                 2          2
## BW est. (h)                37.589     37.589
## BW bias (b)                89.354     89.354
## rho (h/b)                   0.421      0.421
## Unique Obs.                  2357       2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2671       3522
## Eff. Number of Obs.           247        298
## Order est. (p)                  1          1
## Order bias  (q)                 2          2
## BW est. (h)                37.589     37.589
## BW bias (b)                89.354     89.354
## rho (h/b)                   0.421      0.421
## Unique Obs.                  2357       2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.343     0.116     2.967     0.003     [0.116 , 0.570]
```

```
##         Robust         -         -     3.080     0.002     [0.141 , 0.634]
## ================================================================================
## Point 136 of 336
## Minimum treated distance is  2.043905
## There are 115 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.615885
## There are 62 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            293         352
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 40.592      40.592
## BW bias (b)                 93.987      93.987
## rho (h/b)                    0.432       0.432
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            293         352
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 40.592      40.592
## BW bias (b)                 93.987      93.987
## rho (h/b)                    0.432       0.432
## Unique Obs.                   2357        2951
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional     0.304     0.119     2.559     0.011     [0.071 , 0.536]
##         Robust         -         -     2.685     0.007     [0.094 , 0.604]
## ================================================================================
## Point 137 of 336
## Minimum treated distance is  1.586779
## There are 109 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.679166
## There are 68 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
```

```
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            337         421
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 43.596      43.596
## BW bias (b)                 97.272      97.272
## rho (h/b)                    0.448       0.448
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            337         421
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 43.596      43.596
## BW bias (b)                 97.272      97.272
## rho (h/b)                    0.448       0.448
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.263     0.117     2.255     0.024     [0.034 , 0.491]
##         Robust         -         -     2.388     0.017     [0.055 , 0.561]
## ===============================================================================
## Point 138 of 336
## Minimum treated distance is  2.063259
## There are 98 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  0.9268235
## There are 88 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            331         359
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.484      41.484
```

```
## BW bias (b)                 90.597      90.597
## rho (h/b)                    0.458       0.458
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            331         359
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.484      41.484
## BW bias (b)                 90.597      90.597
## rho (h/b)                    0.458       0.458
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.220     0.104     2.121     0.034     [0.017 , 0.423]
##         Robust         -         -     2.258     0.024     [0.034 , 0.484]
## ===============================================================================
## Point 139 of 336
## Minimum treated distance is  2.258141
## There are 103 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.210566
## There are 80 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            351         412
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 43.623      43.623
## BW bias (b)                 96.052      96.052
## rho (h/b)                    0.454       0.454
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
```

```
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             351         412
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  43.623      43.623
## BW bias (b)                  96.052      96.052
## rho (h/b)                     0.454       0.454
## Unique Obs.                    2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.238     0.107     2.219     0.026     [0.028 , 0.447]
##         Robust         -         -     2.357     0.018     [0.047 , 0.512]
## ===============================================================================
## Point 140 of 336
## Minimum treated distance is  2.115468
## There are 100 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  0.7915653
## There are 87 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             341         381
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  42.272      42.272
## BW bias (b)                  92.284      92.284
## rho (h/b)                     0.458       0.458
## Unique Obs.                    2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             341         381
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  42.272      42.272
## BW bias (b)                  92.284      92.284
## rho (h/b)                     0.458       0.458
## Unique Obs.                    2357        2951
##
```

```
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional     0.224     0.104     2.159     0.031     [0.021 , 0.427]
##         Robust         -         -     2.293     0.022     [0.038 , 0.488]
## ================================================================================
## Point 141 of 336
## Minimum treated distance is  1.717236
## There are 90 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.665961
## There are 92 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            336         363
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.627      41.627
## BW bias (b)                 89.577      89.577
## rho (h/b)                    0.465       0.465
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            336         363
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.627      41.627
## BW bias (b)                 89.577      89.577
## rho (h/b)                    0.465       0.465
## Unique Obs.                   2357        2951
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional     0.208     0.104     2.003     0.045     [0.004 , 0.412]
##         Robust         -         -     2.139     0.032     [0.021 , 0.473]
## ================================================================================
## Point 142 of 336
## Minimum treated distance is  1.58273
## There are 91 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.463815
```

```
## There are 93 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            351         384
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 42.728      42.728
## BW bias (b)                 89.636      89.636
## rho (h/b)                    0.477       0.477
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            351         384
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 42.728      42.728
## BW bias (b)                 89.636      89.636
## rho (h/b)                    0.477       0.477
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.192     0.104     1.852     0.064    [-0.011 , 0.396]
##         Robust         -         -     1.985     0.047     [0.003 , 0.459]
## ===============================================================================
## Point 143 of 336
## Minimum treated distance is  1.995003
## There are 89 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  0.9895149
## There are 94 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
```

```
## Eff. Number of Obs.            350         390
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 42.993      42.993
## BW bias (b)                 89.852      89.852
## rho (h/b)                    0.478       0.478
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            350         390
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 42.993      42.993
## BW bias (b)                 89.852      89.852
## rho (h/b)                    0.478       0.478
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.176     0.098     1.795     0.073    [-0.016 , 0.369]
##         Robust         -         -     1.934     0.053    [-0.003 , 0.429]
## ===============================================================================
## Point 144 of 336
## Minimum treated distance is  2.157319
## There are 62 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.714375
## There are 121 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            414         373
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.477      44.477
## BW bias (b)                 89.904      89.904
## rho (h/b)                    0.495       0.495
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
```

```
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            414         373
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.477      44.477
## BW bias (b)                 89.904      89.904
## rho (h/b)                    0.495       0.495
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.154     0.096     1.608     0.108    [-0.034 , 0.342]
##         Robust         -         -     1.750     0.080    [-0.023 , 0.401]
## ===============================================================================
## Point 145 of 336
## Minimum treated distance is  0.3289795
## There are 59 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.220092
## There are 115 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            454         470
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 48.183      48.183
## BW bias (b)                 93.736      93.736
## rho (h/b)                    0.514       0.514
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            454         470
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 48.183      48.183
```

```
## BW bias (b)                 93.736      93.736
## rho (h/b)                    0.514       0.514
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.095     0.080     1.191     0.234    [-0.061 , 0.252]
##         Robust         -         -     1.369     0.171    [-0.054 , 0.304]
## ===============================================================================
## Point 146 of 336
## Minimum treated distance is  1.694099
## There are 63 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.443312
## There are 110 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            407         434
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.549      45.549
## BW bias (b)                 86.166      86.166
## rho (h/b)                    0.529       0.529
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            407         434
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.549      45.549
## BW bias (b)                 86.166      86.166
## rho (h/b)                    0.529       0.529
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.061     0.083     0.734     0.463    [-0.102 , 0.224]
##         Robust         -         -     0.924     0.356    [-0.099 , 0.276]
## ===============================================================================
```

```
## Point 147 of 336
## Minimum treated distance is  1.967691
## There are 64 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.744478
## There are 122 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            400         357
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 43.463      43.463
## BW bias (b)                 88.400      88.400
## rho (h/b)                    0.492       0.492
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            400         357
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 43.463      43.463
## BW bias (b)                 88.400      88.400
## rho (h/b)                    0.492       0.492
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.155     0.096     1.617     0.106    [-0.033 , 0.342]
##         Robust         -         -     1.763     0.078    [-0.021 , 0.401]
## ===============================================================================
## Point 148 of 336
## Minimum treated distance is  1.609304
## There are 65 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.621445
## There are 112 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
```

```
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            401         375
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.192      44.192
## BW bias (b)                 89.548      89.548
## rho (h/b)                    0.493       0.493
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            401         375
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.192      44.192
## BW bias (b)                 89.548      89.548
## rho (h/b)                    0.493       0.493
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.153     0.093     1.636     0.102    [-0.030 , 0.336]
##         Robust         -         -     1.780     0.075    [-0.019 , 0.394]
## ===============================================================================
## Point 149 of 336
## Minimum treated distance is  1.56318
## There are 71 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.324837
## There are 110 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            390         380
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 43.854      43.854
## BW bias (b)                 88.542      88.542
## rho (h/b)                    0.495       0.495
```

```
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            390         380
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 43.854      43.854
## BW bias (b)                 88.542      88.542
## rho (h/b)                    0.495       0.495
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.149     0.093     1.608     0.108    [-0.033 , 0.331]
##         Robust         -         -     1.757     0.079    [-0.021 , 0.388]
## ===============================================================================
## Point 150 of 336
## Minimum treated distance is  1.466864
## There are 63 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.627407
## There are 109 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            415         452
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 46.262      46.262
## BW bias (b)                 87.130      87.130
## rho (h/b)                    0.531       0.531
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
```

```
## Eff. Number of Obs.            415         452
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 46.262      46.262
## BW bias (b)                 87.130      87.130
## rho (h/b)                    0.531       0.531
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.061     0.082     0.743     0.458    [-0.100 , 0.222]
##         Robust         -         -     0.933     0.351    [-0.097 , 0.274]
## ===============================================================================
## Point 151 of 336
## Minimum treated distance is  1.777515
## There are 73 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.440203
## There are 109 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            396         411
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.883      44.883
## BW bias (b)                 90.319      90.319
## rho (h/b)                    0.497       0.497
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            396         411
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.883      44.883
## BW bias (b)                 90.319      90.319
## rho (h/b)                    0.497       0.497
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
```

```
## ================================================================================
##   Conventional     0.144     0.090     1.593     0.111    [-0.033 , 0.321]
##         Robust         -         -     1.740     0.082    [-0.022 , 0.377]
## ================================================================================
## Point 152 of 336
## Minimum treated distance is  1.277476
## There are 74 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.737941
## There are 102 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            405         432
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 46.133      46.133
## BW bias (b)                 91.850      91.850
## rho (h/b)                    0.502       0.502
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            405         432
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 46.133      46.133
## BW bias (b)                 91.850      91.850
## rho (h/b)                    0.502       0.502
## Unique Obs.                   2357        2951
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional     0.138     0.090     1.536     0.125    [-0.038 , 0.315]
##         Robust         -         -     1.686     0.092    [-0.028 , 0.371]
## ================================================================================
## Point 153 of 336
## Minimum treated distance is  1.976356
## There are 65 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.56731
## There are 111 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
```

```
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            380         422
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.608      44.608
## BW bias (b)                 83.340      83.340
## rho (h/b)                    0.535       0.535
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            380         422
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.608      44.608
## BW bias (b)                 83.340      83.340
## rho (h/b)                    0.535       0.535
## Unique Obs.                   2357        2951
##
## =============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## =============================================================================
##   Conventional     0.041     0.084     0.480     0.631    [-0.125 , 0.206]
##         Robust         -         -     0.676     0.499    [-0.126 , 0.258]
## =============================================================================
## Point 154 of 336
## Minimum treated distance is  2.491981
## There are 67 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.190668
## There are 104 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            380         442
## Order est. (p)                   1           1
```

```
## Order bias  (q)                 2          2
## BW est. (h)                45.066     45.066
## BW bias (b)                83.454     83.454
## rho (h/b)                   0.540      0.540
## Unique Obs.                 2357       2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671       3522
## Eff. Number of Obs.            380        442
## Order est. (p)                   1          1
## Order bias  (q)                  2          2
## BW est. (h)                45.066     45.066
## BW bias (b)                83.454     83.454
## rho (h/b)                   0.540      0.540
## Unique Obs.                 2357       2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.026     0.083     0.308     0.758    [-0.138 , 0.189]
##         Robust         -         -     0.522     0.602    [-0.140 , 0.241]
## ===============================================================================
## Point 155 of 336
## Minimum treated distance is  2.446951
## There are 67 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.487476
## There are 102 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671       3522
## Eff. Number of Obs.            372        434
## Order est. (p)                   1          1
## Order bias  (q)                  2          2
## BW est. (h)                44.527     44.527
## BW bias (b)                82.941     82.941
## rho (h/b)                   0.537      0.537
## Unique Obs.                 2357       2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
```

```
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            372         434
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.527      44.527
## BW bias (b)                 82.941      82.941
## rho (h/b)                    0.537       0.537
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.026     0.083     0.318     0.750    [-0.136 , 0.188]
##         Robust         -         -     0.534     0.593    [-0.137 , 0.239]
## ===============================================================================
## Point 156 of 336
## Minimum treated distance is  1.493249
## There are 81 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.224183
## There are 98 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            388         434
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.428      45.428
## BW bias (b)                 91.722      91.722
## rho (h/b)                    0.495       0.495
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            388         434
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.428      45.428
## BW bias (b)                 91.722      91.722
## rho (h/b)                    0.495       0.495
```

```
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.150     0.094     1.592     0.111    [-0.035 , 0.334]
##         Robust         -         -     1.740     0.082    [-0.023 , 0.393]
## ===============================================================================
## Point 157 of 336
## Minimum treated distance is  3.182393
## There are 66 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  3.331605
## There are 101 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            379         463
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.473      45.473
## BW bias (b)                 84.132      84.132
## rho (h/b)                    0.540       0.540
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            379         463
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.473      45.473
## BW bias (b)                 84.132      84.132
## rho (h/b)                    0.540       0.540
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.005     0.080     0.057     0.955    [-0.152 , 0.162]
##         Robust         -         -     0.297     0.766    [-0.156 , 0.212]
## ===============================================================================
## Point 158 of 336
## Minimum treated distance is  2.515
```

```
## There are 72 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  3.363823
## There are 96 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            358         457
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.931      44.931
## BW bias (b)                 83.934      83.934
## rho (h/b)                    0.535       0.535
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            358         457
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.931      44.931
## BW bias (b)                 83.934      83.934
## rho (h/b)                    0.535       0.535
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.016     0.084     0.187     0.852    [-0.149 , 0.180]
##         Robust         -         -     0.417     0.677    [-0.151 , 0.233]
## ===============================================================================
## Point 159 of 336
## Minimum treated distance is  1.005923
## There are 75 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.541763
## There are 101 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
```

```
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             396         432
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  45.636      45.636
## BW bias (b)                  91.785      91.785
## rho (h/b)                     0.497       0.497
## Unique Obs.                    2357        2951
##
## Call: rdrobust
##
## Number of Obs.                  6193
## BW type                        mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             396         432
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  45.636      45.636
## BW bias (b)                  91.785      91.785
## rho (h/b)                     0.497       0.497
## Unique Obs.                    2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.140     0.089     1.569     0.117    [-0.035 , 0.315]
##         Robust         -         -     1.720     0.085    [-0.024 , 0.370]
## ===============================================================================
## Point 160 of 336
## Minimum treated distance is  1.577647
## There are 75 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.465231
## There are 95 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                  6193
## BW type                        mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             354         470
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  45.417      45.417
## BW bias (b)                  85.553      85.553
## rho (h/b)                     0.531       0.531
## Unique Obs.                    2357        2951
##
```

```
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            354         470
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.417      45.417
## BW bias (b)                 85.553      85.553
## rho (h/b)                    0.531       0.531
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.031     0.088     0.348     0.728    [-0.143 , 0.204]
##         Robust         -         -     0.561     0.575    [-0.144 , 0.260]
## ===============================================================================
## Point 161 of 336
## Minimum treated distance is  1.251455
## There are 99 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.427078
## There are 78 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            305         465
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 43.994      43.994
## BW bias (b)                 86.382      86.382
## rho (h/b)                    0.509       0.509
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            305         465
## Order est. (p)                   1           1
```

```
## Order bias  (q)                 2          2
## BW est. (h)                43.994     43.994
## BW bias (b)                86.382     86.382
## rho (h/b)                   0.509      0.509
## Unique Obs.                  2357       2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.035     0.093     0.378     0.705    [-0.146 , 0.216]
##         Robust         -         -     0.596     0.551    [-0.146 , 0.274]
## ===============================================================================
## Point 162 of 336
## Minimum treated distance is  1.292821
## There are 114 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  3.865596
## There are 65 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2671       3522
## Eff. Number of Obs.           253        430
## Order est. (p)                  1          1
## Order bias  (q)                 2          2
## BW est. (h)                41.076     41.076
## BW bias (b)                83.847     83.847
## rho (h/b)                   0.490      0.490
## Unique Obs.                  2357       2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2671       3522
## Eff. Number of Obs.           253        430
## Order est. (p)                  1          1
## Order bias  (q)                 2          2
## BW est. (h)                41.076     41.076
## BW bias (b)                83.847     83.847
## rho (h/b)                   0.490      0.490
## Unique Obs.                  2357       2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.062     0.104     0.594     0.553    [-0.142 , 0.266]
```

```
##         Robust         -         -     0.804     0.421    [-0.139 , 0.334]
## ================================================================================
## Point 163 of 336
## Minimum treated distance is  1.723485
## There are 111 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  3.76185
## There are 65 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            249         424
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 40.738      40.738
## BW bias (b)                 81.774      81.774
## rho (h/b)                    0.498       0.498
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            249         424
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 40.738      40.738
## BW bias (b)                 81.774      81.774
## rho (h/b)                    0.498       0.498
## Unique Obs.                   2357        2951
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional     0.033     0.102     0.321     0.748    [-0.167 , 0.232]
##         Robust         -         -     0.557     0.578    [-0.166 , 0.298]
## ================================================================================
## Point 164 of 336
## Minimum treated distance is  1.760724
## There are 72 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  3.094396
## There are 100 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
```

```
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            356         482
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.246      45.246
## BW bias (b)                 82.493      82.493
## rho (h/b)                    0.548       0.548
## Unique Obs.                  2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            356         482
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.246      45.246
## BW bias (b)                 82.493      82.493
## rho (h/b)                    0.548       0.548
## Unique Obs.                  2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.041     0.075    -0.547     0.584    [-0.189 , 0.107]
##         Robust         -         -    -0.241     0.809    [-0.197 , 0.154]
## ===============================================================================
## Point 165 of 336
## Minimum treated distance is  0.8967004
## There are 79 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.822648
## There are 91 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            341         481
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.123      45.123
```

```
## BW bias (b)                 84.229      84.229
## rho (h/b)                    0.536       0.536
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            341         481
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.123      45.123
## BW bias (b)                 84.229      84.229
## rho (h/b)                    0.536       0.536
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.013     0.080    -0.158     0.874    [-0.169 , 0.144]
##         Robust         -         -     0.114     0.909    [-0.173 , 0.194]
## ===============================================================================
## Point 166 of 336
## Minimum treated distance is  1.006211
## There are 81 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.125173
## There are 89 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            323         487
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.549      44.549
## BW bias (b)                 81.696      81.696
## rho (h/b)                    0.545       0.545
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
```

```
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             323         487
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  44.549      44.549
## BW bias (b)                  81.696      81.696
## rho (h/b)                     0.545       0.545
## Unique Obs.                    2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.043     0.078    -0.551     0.581    [-0.196 , 0.110]
##         Robust         -         -    -0.233     0.816    [-0.202 , 0.159]
## ===============================================================================
## Point 167 of 336
## Minimum treated distance is  1.096052
## There are 104 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.965005
## There are 76 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             279         445
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  42.408      42.408
## BW bias (b)                  82.372      82.372
## rho (h/b)                     0.515       0.515
## Unique Obs.                    2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             279         445
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  42.408      42.408
## BW bias (b)                  82.372      82.372
## rho (h/b)                     0.515       0.515
## Unique Obs.                    2357        2951
##
```

```
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional     0.001     0.088     0.010     0.992    [-0.172 , 0.173]
##         Robust         -         -     0.276     0.783    [-0.173 , 0.229]
## ================================================================================
## Point 168 of 336
## Minimum treated distance is  0.9467897
## There are 101 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.229945
## There are 78 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            271         442
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.712      41.712
## BW bias (b)                 78.518      78.518
## rho (h/b)                    0.531       0.531
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            271         442
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.712      41.712
## BW bias (b)                 78.518      78.518
## rho (h/b)                    0.531       0.531
## Unique Obs.                   2357        2951
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.036     0.082    -0.434     0.664    [-0.196 , 0.125]
##         Robust         -         -    -0.121     0.904    [-0.200 , 0.177]
## ================================================================================
## Point 169 of 336
## Minimum treated distance is  1.61398
## There are 108 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.190753
```

```
## There are 74 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            264         461
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 42.136      42.136
## BW bias (b)                 76.978      76.978
## rho (h/b)                    0.547       0.547
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            264         461
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 42.136      42.136
## BW bias (b)                 76.978      76.978
## rho (h/b)                    0.547       0.547
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.060     0.077    -0.772     0.440    [-0.211 , 0.092]
##         Robust         -         -    -0.432     0.665    [-0.220 , 0.141]
## ===============================================================================
## Point 170 of 336
## Minimum treated distance is  2.089683
## There are 122 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.380285
## There are 67 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
```

```
## Eff. Number of Obs.            270         591
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.189      45.189
## BW bias (b)                 80.805      80.805
## rho (h/b)                    0.559       0.559
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            270         591
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.189      45.189
## BW bias (b)                 80.805      80.805
## rho (h/b)                    0.559       0.559
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.147     0.065    -2.241     0.025    [-0.275 , -0.018]
##         Robust         -         -    -1.736     0.083    [-0.298 , 0.018]
## ===============================================================================
## Point 171 of 336
## Minimum treated distance is  1.602144
## There are 109 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.415447
## There are 74 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            270         506
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 43.402      43.402
## BW bias (b)                 76.331      76.331
## rho (h/b)                    0.569       0.569
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
```

```
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            270         506
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 43.402      43.402
## BW bias (b)                 76.331      76.331
## rho (h/b)                    0.569       0.569
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.092     0.073    -1.259     0.208    [-0.234 , 0.051]
##         Robust         -         -    -0.901     0.368    [-0.253 , 0.094]
## ===============================================================================
## Point 172 of 336
## Minimum treated distance is  1.330134
## There are 112 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.632045
## There are 71 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            268         552
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.404      44.404
## BW bias (b)                 78.476      78.476
## rho (h/b)                    0.566       0.566
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            268         552
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.404      44.404
```

```
## BW bias (b)                 78.476      78.476
## rho (h/b)                    0.566       0.566
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.128     0.064    -2.004     0.045    [-0.254 , -0.003]
##         Robust         -         -    -1.533     0.125    [-0.275 , 0.034]
## ===============================================================================
## Point 173 of 336
## Minimum treated distance is  2.262045
## There are 122 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  3.526712
## There are 58 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            284         646
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 47.130      47.130
## BW bias (b)                 85.784      85.784
## rho (h/b)                    0.549       0.549
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            284         646
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 47.130      47.130
## BW bias (b)                 85.784      85.784
## rho (h/b)                    0.549       0.549
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.166     0.067    -2.486     0.013    [-0.298 , -0.035]
##         Robust         -         -    -1.951     0.051    [-0.324 , 0.001]
## ===============================================================================
```

```
## Point 174 of 336
## Minimum treated distance is  4.306605
## There are 44 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.297281
## There are 124 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            598         480
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 52.106      52.106
## BW bias (b)                 98.934      98.934
## rho (h/b)                    0.527       0.527
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            598         480
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 52.106      52.106
## BW bias (b)                 98.934      98.934
## rho (h/b)                    0.527       0.527
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.250     0.076    -3.285     0.001    [-0.400 , -0.101]
##         Robust         -         -    -2.929     0.003    [-0.451 , -0.089]
## ===============================================================================
## Point 175 of 336
## Minimum treated distance is  3.005104
## There are 42 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.000395
## There are 128 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
```

```
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            656         490
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 53.761      53.761
## BW bias (b)                100.995     100.995
## rho (h/b)                    0.532       0.532
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            656         490
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 53.761      53.761
## BW bias (b)                100.995     100.995
## rho (h/b)                    0.532       0.532
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.251     0.073    -3.424     0.001    [-0.395 , -0.107]
##         Robust         -         -    -3.054     0.002    [-0.445 , -0.097]
## ===============================================================================
## Point 176 of 336
## Minimum treated distance is  2.358975
## There are 46 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.507458
## There are 127 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            658         487
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 53.833      53.833
## BW bias (b)                101.045     101.045
## rho (h/b)                    0.533       0.533
```

```
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            658         487
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 53.833      53.833
## BW bias (b)                101.045     101.045
## rho (h/b)                    0.533       0.533
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.256     0.074    -3.441     0.001    [-0.401 , -0.110]
##         Robust         -         -    -3.105     0.002    [-0.452 , -0.102]
## ===============================================================================
## Point 177 of 336
## Minimum treated distance is  4.314981
## There are 51 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.024
## There are 118 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            502         428
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 47.478      47.478
## BW bias (b)                 93.321      93.321
## rho (h/b)                    0.509       0.509
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
```

```
## Eff. Number of Obs.            502         428
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 47.478      47.478
## BW bias (b)                 93.321      93.321
## rho (h/b)                    0.509       0.509
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.259     0.091    -2.843     0.004    [-0.437 , -0.080]
##         Robust         -         -    -2.645     0.008    [-0.497 , -0.074]
## ===============================================================================
## Point 178 of 336
## Minimum treated distance is  3.233219
## There are 61 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.885282
## There are 112 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            456         398
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.949      44.949
## BW bias (b)                 90.675      90.675
## rho (h/b)                    0.496       0.496
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            456         398
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.949      44.949
## BW bias (b)                 90.675      90.675
## rho (h/b)                    0.496       0.496
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
```

```
## ================================================================================
##   Conventional    -0.271     0.094    -2.880     0.004    [-0.455 , -0.086]
##         Robust         -         -    -2.750     0.006    [-0.514 , -0.086]
## ================================================================================
## Point 179 of 336
## Minimum treated distance is  2.098046
## There are 71 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  3.68891
## There are 100 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            345         295
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 38.635      38.635
## BW bias (b)                 84.113      84.113
## rho (h/b)                    0.459       0.459
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            345         295
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 38.635      38.635
## BW bias (b)                 84.113      84.113
## rho (h/b)                    0.459       0.459
## Unique Obs.                   2357        2951
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.280     0.098    -2.873     0.004    [-0.472 , -0.089]
##         Robust         -         -    -2.874     0.004    [-0.528 , -0.100]
## ================================================================================
## Point 180 of 336
## Minimum treated distance is  2.806621
## There are 88 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.781379
## There are 93 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
```

```
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            325         299
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 38.196      38.196
## BW bias (b)                 85.770      85.770
## rho (h/b)                    0.445       0.445
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            325         299
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 38.196      38.196
## BW bias (b)                 85.770      85.770
## rho (h/b)                    0.445       0.445
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.288     0.085    -3.383     0.001    [-0.455 , -0.121]
##         Robust         -         -    -3.369     0.001    [-0.505 , -0.134]
## ===============================================================================
## Point 181 of 336
## Minimum treated distance is  2.518483
## There are 101 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.32042
## There are 85 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            368         358
## Order est. (p)                   1           1
```

```
## Order bias  (q)                 2          2
## BW est. (h)                42.245     42.245
## BW bias (b)                90.410     90.410
## rho (h/b)                   0.467      0.467
## Unique Obs.                  2357       2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671       3522
## Eff. Number of Obs.            368        358
## Order est. (p)                   1          1
## Order bias  (q)                  2          2
## BW est. (h)                42.245     42.245
## BW bias (b)                90.410     90.410
## rho (h/b)                   0.467      0.467
## Unique Obs.                  2357       2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.280     0.085    -3.318     0.001    [-0.446 , -0.115]
##         Robust         -         -    -3.257     0.001    [-0.497 , -0.124]
## ===============================================================================
## Point 182 of 336
## Minimum treated distance is  1.949512
## There are 47 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  0.7412992
## There are 137 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671       3522
## Eff. Number of Obs.            646        418
## Order est. (p)                   1          1
## Order bias  (q)                  2          2
## BW est. (h)                51.792     51.792
## BW bias (b)               100.934    100.934
## rho (h/b)                   0.513      0.513
## Unique Obs.                  2357       2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
```

```
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            646         418
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 51.792      51.792
## BW bias (b)                100.934     100.934
## rho (h/b)                    0.513       0.513
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.282     0.074    -3.796     0.000    [-0.428 , -0.137]
##         Robust         -         -    -3.577     0.000    [-0.478 , -0.140]
## ===============================================================================
## Point 183 of 336
## Minimum treated distance is  1.936299
## There are 50 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  0.8262825
## There are 135 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            673         443
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 53.535      53.535
## BW bias (b)                102.126     102.126
## rho (h/b)                    0.524       0.524
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            673         443
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 53.535      53.535
## BW bias (b)                102.126     102.126
## rho (h/b)                    0.524       0.524
```

```
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.278     0.076    -3.649     0.000    [-0.428 , -0.129]
##         Robust         -         -    -3.416     0.001    [-0.481 , -0.130]
## ===============================================================================
## Point 184 of 336
## Minimum treated distance is  0.759385
## There are 46 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.946065
## There are 134 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            575         403
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.218      49.218
## BW bias (b)                 96.976      96.976
## rho (h/b)                    0.508       0.508
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            575         403
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.218      49.218
## BW bias (b)                 96.976      96.976
## rho (h/b)                    0.508       0.508
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.279     0.081    -3.447     0.001    [-0.437 , -0.120]
##         Robust         -         -    -3.279     0.001    [-0.490 , -0.123]
## ===============================================================================
## Point 185 of 336
## Minimum treated distance is  1.522297
```

```
## There are 48 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.090499
## There are 133 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            639         421
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 51.725      51.725
## BW bias (b)                100.037     100.037
## rho (h/b)                    0.517       0.517
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            639         421
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 51.725      51.725
## BW bias (b)                100.037     100.037
## rho (h/b)                    0.517       0.517
## Unique Obs.                   2357        2951
##
## ============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ============================================================================
##   Conventional    -0.280     0.077    -3.615     0.000    [-0.432 , -0.128]
##         Robust         -         -    -3.407     0.001    [-0.484 , -0.131]
## ============================================================================
## Point 186 of 336
## Minimum treated distance is  0.5753639
## There are 54 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.142794
## There are 131 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
```

```
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             708         452
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  54.839      54.839
## BW bias (b)                 104.943     104.943
## rho (h/b)                     0.523       0.523
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                  6193
## BW type                        mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             708         452
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  54.839      54.839
## BW bias (b)                 104.943     104.943
## rho (h/b)                     0.523       0.523
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.281     0.075    -3.771     0.000    [-0.428 , -0.135]
##         Robust         -         -    -3.548     0.000    [-0.480 , -0.138]
## ===============================================================================
## Point 187 of 336
## Minimum treated distance is  3.014875
## There are 110 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.614178
## There are 64 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                  6193
## BW type                        mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             288         647
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  46.943      46.943
## BW bias (b)                  86.475      86.475
## rho (h/b)                     0.543       0.543
## Unique Obs.                   2357        2951
##
```

```
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            288         647
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 46.943      46.943
## BW bias (b)                 86.475      86.475
## rho (h/b)                    0.543       0.543
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.178     0.066    -2.695     0.007    [-0.307 , -0.049]
##         Robust         -         -    -2.126     0.033    [-0.334 , -0.014]
## ===============================================================================
## Point 188 of 336
## Minimum treated distance is  2.013148
## There are 117 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.86172
## There are 55 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            241         555
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 43.582      43.582
## BW bias (b)                 82.281      82.281
## rho (h/b)                    0.530       0.530
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            241         555
## Order est. (p)                   1           1
```

```
## Order bias  (q)                 2          2
## BW est. (h)                43.582     43.582
## BW bias (b)                82.281     82.281
## rho (h/b)                   0.530      0.530
## Unique Obs.                 2357       2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.223     0.064    -3.504     0.000    [-0.347 , -0.098]
##         Robust         -         -    -2.949     0.003    [-0.382 , -0.077]
## ===============================================================================
## Point 189 of 336
## Minimum treated distance is  2.061931
## There are 121 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.617513
## There are 45 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2671       3522
## Eff. Number of Obs.           147        419
## Order est. (p)                  1          1
## Order bias  (q)                 2          2
## BW est. (h)                36.908     36.908
## BW bias (b)                77.036     77.036
## rho (h/b)                   0.479      0.479
## Unique Obs.                 2357       2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2671       3522
## Eff. Number of Obs.           147        419
## Order est. (p)                  1          1
## Order bias  (q)                 2          2
## BW est. (h)                36.908     36.908
## BW bias (b)                77.036     77.036
## rho (h/b)                   0.479      0.479
## Unique Obs.                 2357       2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.357     0.070    -5.124     0.000    [-0.494 , -0.220]
```

```
##         Robust         -         -    -4.654     0.000    [-0.532 , -0.216]
## ================================================================================
## Point 190 of 336
## Minimum treated distance is  1.585041
## There are 127 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.864184
## There are 37 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            131         393
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 35.502      35.502
## BW bias (b)                 76.678      76.678
## rho (h/b)                    0.463       0.463
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            131         393
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 35.502      35.502
## BW bias (b)                 76.678      76.678
## rho (h/b)                    0.463       0.463
## Unique Obs.                   2357        2951
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.390     0.071    -5.527     0.000    [-0.529 , -0.252]
##         Robust         -         -    -5.111     0.000    [-0.566 , -0.252]
## ================================================================================
## Point 191 of 336
## Minimum treated distance is  1.668932
## There are 66 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.625911
## There are 120 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
```

```
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            697         406
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 53.413      53.413
## BW bias (b)                105.870     105.870
## rho (h/b)                    0.505       0.505
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            697         406
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 53.413      53.413
## BW bias (b)                105.870     105.870
## rho (h/b)                    0.505       0.505
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.297     0.075    -3.959     0.000    [-0.445 , -0.150]
##         Robust         -         -    -3.779     0.000    [-0.496 , -0.157]
## ===============================================================================
## Point 192 of 336
## Minimum treated distance is  2.038785
## There are 67 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.036454
## There are 118 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            804         495
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 58.534      58.534
```

```
## BW bias (b)                110.880     110.880
## rho (h/b)                    0.528       0.528
## Unique Obs.                 2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            804         495
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 58.534      58.534
## BW bias (b)                110.880     110.880
## rho (h/b)                    0.528       0.528
## Unique Obs.                 2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.274     0.072    -3.813     0.000    [-0.414 , -0.133]
##         Robust         -         -    -3.555     0.000    [-0.467 , -0.135]
## ===============================================================================
## Point 193 of 336
## Minimum treated distance is  2.35891
## There are 72 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.102395
## There are 118 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            817         515
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 59.436      59.436
## BW bias (b)                112.482     112.482
## rho (h/b)                    0.528       0.528
## Unique Obs.                 2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
```

```
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             817         515
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  59.436      59.436
## BW bias (b)                 112.482     112.482
## rho (h/b)                     0.528       0.528
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.270     0.070    -3.867     0.000    [-0.407 , -0.133]
##         Robust         -         -    -3.598     0.000    [-0.459 , -0.135]
## ===============================================================================
## Point 194 of 336
## Minimum treated distance is  1.718694
## There are 81 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.235484
## There are 103 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             685         402
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  53.434      53.434
## BW bias (b)                 108.603     108.603
## rho (h/b)                     0.492       0.492
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             685         402
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  53.434      53.434
## BW bias (b)                 108.603     108.603
## rho (h/b)                     0.492       0.492
## Unique Obs.                   2357        2951
##
```

```
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.302     0.075    -4.031     0.000    [-0.449 , -0.155]
##         Robust         -         -    -3.898     0.000    [-0.500 , -0.165]
## ================================================================================
## Point 195 of 336
## Minimum treated distance is  2.148766
## There are 92 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.964583
## There are 103 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            568         359
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.456      49.456
## BW bias (b)                106.042     106.042
## rho (h/b)                    0.466       0.466
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            568         359
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.456      49.456
## BW bias (b)                106.042     106.042
## rho (h/b)                    0.466       0.466
## Unique Obs.                   2357        2951
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.305     0.076    -4.012     0.000    [-0.455 , -0.156]
##         Robust         -         -    -3.963     0.000    [-0.505 , -0.171]
## ================================================================================
## Point 196 of 336
## Minimum treated distance is  0.8261187
## There are 124 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.079509
```

```
## There are 34 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            163         516
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 40.087      40.087
## BW bias (b)                 81.758      81.758
## rho (h/b)                    0.490       0.490
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            163         516
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 40.087      40.087
## BW bias (b)                 81.758      81.758
## rho (h/b)                    0.490       0.490
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.367     0.079    -4.626     0.000    [-0.523 , -0.212]
##         Robust         -         -    -4.182     0.000    [-0.564 , -0.204]
## ===============================================================================
## Point 197 of 336
## Minimum treated distance is  2.427864
## There are 99 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.385153
## There are 61 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
```

```
## Eff. Number of Obs.            170         375
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 35.175      35.175
## BW bias (b)                 70.250      70.250
## rho (h/b)                    0.501       0.501
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            170         375
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 35.175      35.175
## BW bias (b)                 70.250      70.250
## rho (h/b)                    0.501       0.501
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.238     0.062    -3.839     0.000    [-0.359 , -0.116]
##         Robust         -         -    -3.427     0.001    [-0.400 , -0.109]
## ===============================================================================
## Point 198 of 336
## Minimum treated distance is  2.132692
## There are 91 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.706732
## There are 71 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            209         380
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 36.809      36.809
## BW bias (b)                 70.846      70.846
## rho (h/b)                    0.520       0.520
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
```

```
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            209         380
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 36.809      36.809
## BW bias (b)                 70.846      70.846
## rho (h/b)                    0.520       0.520
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.212     0.072    -2.956     0.003    [-0.353 , -0.071]
##         Robust         -         -    -2.576     0.010    [-0.395 , -0.054]
## ===============================================================================
## Point 199 of 336
## Minimum treated distance is  2.187137
## There are 92 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.063664
## There are 67 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            189         377
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 35.960      35.960
## BW bias (b)                 70.134      70.134
## rho (h/b)                    0.513       0.513
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            189         377
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 35.960      35.960
```

```
## BW bias (b)                 70.134      70.134
## rho (h/b)                    0.513       0.513
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.222     0.068    -3.274     0.001    [-0.354 , -0.089]
##         Robust         -         -    -2.881     0.004    [-0.396 , -0.075]
## ===============================================================================
## Point 200 of 336
## Minimum treated distance is  3.077421
## There are 96 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.668394
## There are 72 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            244         396
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 37.927      37.927
## BW bias (b)                 72.558      72.558
## rho (h/b)                    0.523       0.523
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            244         396
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 37.927      37.927
## BW bias (b)                 72.558      72.558
## rho (h/b)                    0.523       0.523
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.215     0.060    -3.584     0.000    [-0.332 , -0.097]
##         Robust         -         -    -3.124     0.002    [-0.369 , -0.084]
## ===============================================================================
```

```
## Point 201 of 336
## Minimum treated distance is  2.222317
## There are 95 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  0.2795361
## There are 70 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            226         393
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 37.348      37.348
## BW bias (b)                 70.853      70.853
## rho (h/b)                    0.527       0.527
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            226         393
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 37.348      37.348
## BW bias (b)                 70.853      70.853
## rho (h/b)                    0.527       0.527
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.211     0.069    -3.064     0.002    [-0.346 , -0.076]
##         Robust         -         -    -2.666     0.008    [-0.385 , -0.059]
## ===============================================================================
## Point 202 of 336
## Minimum treated distance is  2.683067
## There are 97 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.519119
## There are 71 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
```

```
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            254         409
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 38.549      38.549
## BW bias (b)                 72.608      72.608
## rho (h/b)                    0.531       0.531
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            254         409
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 38.549      38.549
## BW bias (b)                 72.608      72.608
## rho (h/b)                    0.531       0.531
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.219     0.059    -3.699     0.000    [-0.335 , -0.103]
##         Robust         -         -    -3.221     0.001    [-0.371 , -0.090]
## ===============================================================================
## Point 203 of 336
## Minimum treated distance is  1.85821
## There are 106 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.997259
## There are 76 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            327         328
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 39.769      39.769
## BW bias (b)                 87.765      87.765
## rho (h/b)                    0.453       0.453
```

```
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            327         328
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 39.769      39.769
## BW bias (b)                 87.765      87.765
## rho (h/b)                    0.453       0.453
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.278     0.081    -3.437     0.001    [-0.437 , -0.120]
##         Robust         -         -    -3.406     0.001    [-0.486 , -0.131]
## ===============================================================================
## Point 204 of 336
## Minimum treated distance is  1.389733
## There are 95 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.587269
## There are 99 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            481         332
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.871      45.871
## BW bias (b)                103.613     103.613
## rho (h/b)                    0.443       0.443
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
```

```
## Eff. Number of Obs.            481         332
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.871      45.871
## BW bias (b)                103.613     103.613
## rho (h/b)                    0.443       0.443
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.270     0.072    -3.754     0.000    [-0.411 , -0.129]
##         Robust          -         -    -3.795     0.000    [-0.458 , -0.146]
## ===============================================================================
## Point 205 of 336
## Minimum treated distance is  2.300572
## There are 100 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.122295
## There are 100 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            633         474
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 54.225      54.225
## BW bias (b)                117.522     117.522
## rho (h/b)                    0.461       0.461
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            633         474
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 54.225      54.225
## BW bias (b)                117.522     117.522
## rho (h/b)                    0.461       0.461
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
```

```
## ================================================================================
##   Conventional    -0.272     0.063    -4.305     0.000    [-0.396 , -0.148]
##         Robust         -         -    -4.233     0.000    [-0.438 , -0.161]
## ================================================================================
## Point 206 of 336
## Minimum treated distance is  1.726094
## There are 64 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.250143
## There are 117 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            670         238
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 50.727      50.727
## BW bias (b)                 98.339      98.339
## rho (h/b)                    0.516       0.516
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            670         238
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 50.727      50.727
## BW bias (b)                 98.339      98.339
## rho (h/b)                    0.516       0.516
## Unique Obs.                   2357        2951
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.278     0.079    -3.504     0.000    [-0.433 , -0.122]
##         Robust         -         -    -3.446     0.001    [-0.485 , -0.133]
## ================================================================================
## Point 207 of 336
## Minimum treated distance is  1.830808
## There are 60 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.449606
## There are 114 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
```

```
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            674         243
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 51.037      51.037
## BW bias (b)                 97.577      97.577
## rho (h/b)                    0.523       0.523
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            674         243
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 51.037      51.037
## BW bias (b)                 97.577      97.577
## rho (h/b)                    0.523       0.523
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.275     0.081    -3.383     0.001    [-0.435 , -0.116]
##         Robust         -         -    -3.319     0.001    [-0.487 , -0.125]
## ===============================================================================
## Point 208 of 336
## Minimum treated distance is  1.922983
## There are 59 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.315971
## There are 115 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            664         229
## Order est. (p)                   1           1
```

```
## Order bias  (q)                 2          2
## BW est. (h)                50.510     50.510
## BW bias (b)                95.567     95.567
## rho (h/b)                   0.529      0.529
## Unique Obs.                 2357       2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671       3522
## Eff. Number of Obs.            664        229
## Order est. (p)                   1          1
## Order bias  (q)                  2          2
## BW est. (h)                50.510     50.510
## BW bias (b)                95.567     95.567
## rho (h/b)                   0.529      0.529
## Unique Obs.                 2357       2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.270     0.082    -3.305     0.001    [-0.429 , -0.110]
##         Robust         -         -    -3.233     0.001    [-0.482 , -0.118]
## ===============================================================================
## Point 209 of 336
## Minimum treated distance is  1.619117
## There are 67 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.491822
## There are 114 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671       3522
## Eff. Number of Obs.            674        266
## Order est. (p)                   1          1
## Order bias  (q)                  2          2
## BW est. (h)                51.055     51.055
## BW bias (b)               100.440    100.440
## rho (h/b)                   0.508      0.508
## Unique Obs.                 2357       2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
```

```
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            674         266
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 51.055      51.055
## BW bias (b)                100.440     100.440
## rho (h/b)                    0.508       0.508
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.281     0.078    -3.592     0.000    [-0.435 , -0.128]
##         Robust         -         -    -3.541     0.000    [-0.486 , -0.140]
## ===============================================================================
## Point 210 of 336
## Minimum treated distance is  2.378223
## There are 80 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.687278
## There are 109 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            661         349
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 52.445      52.445
## BW bias (b)                109.966     109.966
## rho (h/b)                    0.477       0.477
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            661         349
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 52.445      52.445
## BW bias (b)                109.966     109.966
## rho (h/b)                    0.477       0.477
```

```
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.275     0.072    -3.832     0.000    [-0.415 , -0.134]
##         Robust         -         -    -3.813     0.000    [-0.464 , -0.149]
## ===============================================================================
## Point 211 of 336
## Minimum treated distance is  0.8711423
## There are 74 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.723649
## There are 111 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            629         284
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.574      49.574
## BW bias (b)                101.122     101.122
## rho (h/b)                    0.490       0.490
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            629         284
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.574      49.574
## BW bias (b)                101.122     101.122
## rho (h/b)                    0.490       0.490
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.273     0.077    -3.536     0.000    [-0.425 , -0.122]
##         Robust         -         -    -3.544     0.000    [-0.476 , -0.137]
## ===============================================================================
## Point 212 of 336
## Minimum treated distance is  2.292643
```

```
## There are 68 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.49354
## There are 114 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            670         285
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 51.154      51.154
## BW bias (b)                102.919     102.919
## rho (h/b)                    0.497       0.497
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            670         285
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 51.154      51.154
## BW bias (b)                102.919     102.919
## rho (h/b)                    0.497       0.497
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.283     0.077    -3.688     0.000    [-0.433 , -0.133]
##         Robust         -         -    -3.655     0.000    [-0.484 , -0.146]
## ===============================================================================
## Point 213 of 336
## Minimum treated distance is  1.438662
## There are 55 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.887858
## There are 116 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
```

```
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             630         205
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  49.046      49.046
## BW bias (b)                  89.246      89.246
## rho (h/b)                     0.550       0.550
## Unique Obs.                    2357        2951
##
## Call: rdrobust
##
## Number of Obs.                  6193
## BW type                        mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             630         205
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  49.046      49.046
## BW bias (b)                  89.246      89.246
## rho (h/b)                     0.550       0.550
## Unique Obs.                    2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.249     0.083    -3.006     0.003    [-0.411 , -0.087]
##         Robust         -         -    -2.921     0.003    [-0.463 , -0.091]
## ===============================================================================
## Point 214 of 336
## Minimum treated distance is  2.015309
## There are 44 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.8563
## There are 128 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                  6193
## BW type                        mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             570         175
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  45.990      45.990
## BW bias (b)                  82.557      82.557
## rho (h/b)                     0.557       0.557
## Unique Obs.                    2357        2951
##
```

```
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            570         175
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.990      45.990
## BW bias (b)                 82.557      82.557
## rho (h/b)                    0.557       0.557
## Unique Obs.                  2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.222     0.073    -3.032     0.002    [-0.366 , -0.079]
##         Robust         -         -    -2.914     0.004    [-0.412 , -0.081]
## ===============================================================================
## Point 215 of 336
## Minimum treated distance is  1.709114
## There are 51 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  3.55525
## There are 125 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            647         238
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 51.254      51.254
## BW bias (b)                 82.844      82.844
## rho (h/b)                    0.619       0.619
## Unique Obs.                  2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            647         238
## Order est. (p)                   1           1
```

```
## Order bias  (q)                 2          2
## BW est. (h)                51.254     51.254
## BW bias (b)                82.844     82.844
## rho (h/b)                   0.619      0.619
## Unique Obs.                  2357       2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.239     0.081    -2.932     0.003    [-0.399 , -0.079]
##         Robust         -         -    -2.684     0.007    [-0.448 , -0.070]
## ===============================================================================
## Point 216 of 336
## Minimum treated distance is  1.406177
## There are 124 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.278327
## There are 37 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2671       3522
## Eff. Number of Obs.           117        425
## Order est. (p)                  1          1
## Order bias  (q)                 2          2
## BW est. (h)                35.692     35.692
## BW bias (b)                77.543     77.543
## rho (h/b)                   0.460      0.460
## Unique Obs.                  2357       2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2671       3522
## Eff. Number of Obs.           117        425
## Order est. (p)                  1          1
## Order bias  (q)                 2          2
## BW est. (h)                35.692     35.692
## BW bias (b)                77.543     77.543
## rho (h/b)                   0.460      0.460
## Unique Obs.                  2357       2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.365     0.087    -4.207     0.000    [-0.535 , -0.195]
```

```
##         Robust         -         -    -3.951     0.000    [-0.576 , -0.194]
## ================================================================================
## Point 217 of 336
## Minimum treated distance is  1.980153
## There are 116 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.567392
## There are 40 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            145         430
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 36.797      36.797
## BW bias (b)                 76.904      76.904
## rho (h/b)                    0.478       0.478
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            145         430
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 36.797      36.797
## BW bias (b)                 76.904      76.904
## rho (h/b)                    0.478       0.478
## Unique Obs.                   2357        2951
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.342     0.084    -4.069     0.000    [-0.507 , -0.177]
##         Robust         -         -    -3.755     0.000    [-0.552 , -0.173]
## ================================================================================
## Point 218 of 336
## Minimum treated distance is  1.618887
## There are 119 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.135321
## There are 38 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
```

```
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            109         385
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 33.873      33.873
## BW bias (b)                 75.402      75.402
## rho (h/b)                    0.449       0.449
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            109         385
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 33.873      33.873
## BW bias (b)                 75.402      75.402
## rho (h/b)                    0.449       0.449
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.323     0.085    -3.800     0.000    [-0.490 , -0.157]
##         Robust         -         -    -3.625     0.000    [-0.531 , -0.158]
## ===============================================================================
## Point 219 of 336
## Minimum treated distance is  1.402851
## There are 112 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.330924
## There are 41 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            105         353
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 32.327      32.327
```

```
## BW bias (b)                 71.746      71.746
## rho (h/b)                    0.451       0.451
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            105         353
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 32.327      32.327
## BW bias (b)                 71.746      71.746
## rho (h/b)                    0.451       0.451
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.275     0.072    -3.828     0.000    [-0.416 , -0.134]
##         Robust         -         -    -3.644     0.000    [-0.455 , -0.137]
## ===============================================================================
## Point 220 of 336
## Minimum treated distance is  2.618197
## There are 102 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.857055
## There are 54 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            157         384
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 34.714      34.714
## BW bias (b)                 70.132      70.132
## rho (h/b)                    0.495       0.495
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
```

```
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             157         384
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  34.714      34.714
## BW bias (b)                  70.132      70.132
## rho (h/b)                     0.495       0.495
## Unique Obs.                    2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.259     0.067    -3.873     0.000    [-0.391 , -0.128]
##         Robust         -         -    -3.522     0.000    [-0.434 , -0.124]
## ===============================================================================
## Point 221 of 336
## Minimum treated distance is  1.993529
## There are 110 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.409167
## There are 51 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             130         382
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  33.901      33.901
## BW bias (b)                  70.772      70.772
## rho (h/b)                     0.479       0.479
## Unique Obs.                    2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             130         382
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  33.901      33.901
## BW bias (b)                  70.772      70.772
## rho (h/b)                     0.479       0.479
## Unique Obs.                    2357        2951
##
```

```
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.266     0.067    -3.991     0.000    [-0.397 , -0.135]
##         Robust         -         -    -3.699     0.000    [-0.438 , -0.135]
## ================================================================================
## Point 222 of 336
## Minimum treated distance is  2.358456
## There are 109 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.372692
## There are 60 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            314         487
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 43.499      43.499
## BW bias (b)                 85.614      85.614
## rho (h/b)                    0.508       0.508
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            314         487
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 43.499      43.499
## BW bias (b)                 85.614      85.614
## rho (h/b)                    0.508       0.508
## Unique Obs.                   2357        2951
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.230     0.067    -3.442     0.001    [-0.361 , -0.099]
##         Robust         -         -    -3.159     0.002    [-0.402 , -0.094]
## ================================================================================
## Point 223 of 336
## Minimum treated distance is  2.026187
## There are 97 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  0.8080194
```

```
## There are 67 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            277         439
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 40.235      40.235
## BW bias (b)                 76.343      76.343
## rho (h/b)                    0.527       0.527
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            277         439
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 40.235      40.235
## BW bias (b)                 76.343      76.343
## rho (h/b)                    0.527       0.527
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.226     0.065    -3.498     0.000    [-0.353 , -0.100]
##         Robust         -         -    -3.075     0.002    [-0.391 , -0.087]
## ===============================================================================
## Point 224 of 336
## Minimum treated distance is  1.91653
## There are 103 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  0.2838101
## There are 62 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
```

```
## Eff. Number of Obs.            302         454
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 42.038      42.038
## BW bias (b)                 81.129      81.129
## rho (h/b)                    0.518       0.518
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            302         454
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 42.038      42.038
## BW bias (b)                 81.129      81.129
## rho (h/b)                    0.518       0.518
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.230     0.067    -3.420     0.001    [-0.362 , -0.098]
##         Robust         -         -    -3.070     0.002    [-0.401 , -0.089]
## ===============================================================================
## Point 225 of 336
## Minimum treated distance is  1.620865
## There are 34 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.692281
## There are 129 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            624         188
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.598      49.598
## BW bias (b)                 83.013      83.013
## rho (h/b)                    0.597       0.597
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
```

```
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            624         188
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.598      49.598
## BW bias (b)                 83.013      83.013
## rho (h/b)                    0.597       0.597
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.227     0.085    -2.663     0.008    [-0.395 , -0.060]
##         Robust         -         -    -2.489     0.013    [-0.448 , -0.053]
## ===============================================================================
## Point 226 of 336
## Minimum treated distance is  1.959029
## There are 34 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.69244
## There are 127 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            623         189
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.919      49.919
## BW bias (b)                 80.553      80.553
## rho (h/b)                    0.620       0.620
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            623         189
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.919      49.919
```

```
## BW bias (b)                 80.553      80.553
## rho (h/b)                    0.620       0.620
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.222     0.096    -2.318     0.020    [-0.410 , -0.034]
##         Robust         -         -    -2.097     0.036    [-0.467 , -0.016]
## ===============================================================================
## Point 227 of 336
## Minimum treated distance is  1.826318
## There are 40 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.318988
## There are 127 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            570         175
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 46.627      46.627
## BW bias (b)                 80.874      80.874
## rho (h/b)                    0.577       0.577
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            570         175
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 46.627      46.627
## BW bias (b)                 80.874      80.874
## rho (h/b)                    0.577       0.577
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.219     0.075    -2.913     0.004    [-0.366 , -0.072]
##         Robust         -         -    -2.759     0.006    [-0.412 , -0.070]
## ===============================================================================
```

```
## Point 228 of 336
## Minimum treated distance is  1.481671
## There are 40 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.920633
## There are 130 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            661         234
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 52.395      52.395
## BW bias (b)                 81.614      81.614
## rho (h/b)                    0.642       0.642
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            661         234
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 52.395      52.395
## BW bias (b)                 81.614      81.614
## rho (h/b)                    0.642       0.642
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.236     0.089    -2.656     0.008    [-0.410 , -0.062]
##         Robust         -         -    -2.361     0.018    [-0.462 , -0.043]
## ===============================================================================
## Point 229 of 336
## Minimum treated distance is  2.071338
## There are 85 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  3.66933
## There are 105 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
```

```
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            527         286
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 46.479      46.479
## BW bias (b)                101.605     101.605
## rho (h/b)                    0.457       0.457
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            527         286
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 46.479      46.479
## BW bias (b)                101.605     101.605
## rho (h/b)                    0.457       0.457
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.254     0.073    -3.489     0.000    [-0.396 , -0.111]
##         Robust         -         -    -3.562     0.000    [-0.443 , -0.129]
## ===============================================================================
## Point 230 of 336
## Minimum treated distance is  2.204478
## There are 91 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.196937
## There are 100 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            487         278
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.555      45.555
## BW bias (b)                91.310      91.310
## rho (h/b)                    0.499       0.499
```

```
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            487         278
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.555      45.555
## BW bias (b)                 91.310      91.310
## rho (h/b)                    0.499       0.499
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.238     0.074    -3.208     0.001    [-0.383 , -0.093]
##         Robust         -         -    -3.203     0.001    [-0.431 , -0.104]
## ===============================================================================
## Point 231 of 336
## Minimum treated distance is  1.654876
## There are 118 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.146053
## There are 42 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            110         369
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 32.970      32.970
## BW bias (b)                 70.665      70.665
## rho (h/b)                    0.467       0.467
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
```

```
## Eff. Number of Obs.            110         369
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 32.970      32.970
## BW bias (b)                 70.665      70.665
## rho (h/b)                    0.467       0.467
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.265     0.072    -3.680     0.000    [-0.406 , -0.124]
##         Robust         -         -    -3.475     0.001    [-0.447 , -0.125]
## ===============================================================================
## Point 232 of 336
## Minimum treated distance is  2.274503
## There are 108 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.493356
## There are 73 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            326         355
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 40.804      40.804
## BW bias (b)                 90.021      90.021
## rho (h/b)                    0.453       0.453
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            326         355
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 40.804      40.804
## BW bias (b)                 90.021      90.021
## rho (h/b)                    0.453       0.453
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
```

```
## ================================================================================
##   Conventional    -0.270     0.074    -3.639     0.000    [-0.415 , -0.124]
##         Robust         -         -    -3.571     0.000    [-0.459 , -0.134]
## ================================================================================
## Point 233 of 336
## Minimum treated distance is  0.7934882
## There are 55 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.59901
## There are 118 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            655         270
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 52.639      52.639
## BW bias (b)                 81.332      81.332
## rho (h/b)                    0.647       0.647
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            655         270
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 52.639      52.639
## BW bias (b)                 81.332      81.332
## rho (h/b)                    0.647       0.647
## Unique Obs.                   2357        2951
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.235     0.080    -2.949     0.003    [-0.392 , -0.079]
##         Robust         -         -    -2.590     0.010    [-0.437 , -0.061]
## ================================================================================
## Point 234 of 336
## Minimum treated distance is  2.314105
## There are 58 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  0.7814332
## There are 112 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
```

```
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            624         277
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 52.321      52.321
## BW bias (b)                 81.589      81.589
## rho (h/b)                    0.641       0.641
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            624         277
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 52.321      52.321
## BW bias (b)                 81.589      81.589
## rho (h/b)                    0.641       0.641
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.226     0.076    -2.968     0.003    [-0.374 , -0.077]
##         Robust         -         -    -2.539     0.011    [-0.415 , -0.053]
## ===============================================================================
## Point 235 of 336
## Minimum treated distance is  1.050592
## There are 117 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.82698
## There are 40 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.             98         349
## Order est. (p)                   1           1
```

```
## Order bias  (q)                 2          2
## BW est. (h)                31.917     31.917
## BW bias (b)                70.948     70.948
## rho (h/b)                   0.450      0.450
## Unique Obs.                 2357       2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671       3522
## Eff. Number of Obs.             98        349
## Order est. (p)                   1          1
## Order bias  (q)                  2          2
## BW est. (h)                31.917     31.917
## BW bias (b)                70.948     70.948
## rho (h/b)                   0.450      0.450
## Unique Obs.                 2357       2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.252     0.074    -3.406     0.001    [-0.398 , -0.107]
##         Robust         -         -    -3.286     0.001    [-0.438 , -0.111]
## ===============================================================================
## Point 236 of 336
## Minimum treated distance is  1.174723
## There are 110 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.620225
## There are 70 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671       3522
## Eff. Number of Obs.             324        399
## Order est. (p)                   1          1
## Order bias  (q)                  2          2
## BW est. (h)                42.279     42.279
## BW bias (b)                90.498     90.498
## rho (h/b)                   0.467      0.467
## Unique Obs.                 2357       2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
```

```
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            324         399
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 42.279      42.279
## BW bias (b)                 90.498      90.498
## rho (h/b)                    0.467       0.467
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.260     0.065    -3.968     0.000    [-0.388 , -0.131]
##         Robust         -         -    -3.808     0.000    [-0.427 , -0.137]
## ===============================================================================
## Point 237 of 336
## Minimum treated distance is  0.7470871
## There are 105 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.953415
## There are 72 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            330         386
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.931      41.931
## BW bias (b)                 89.964      89.964
## rho (h/b)                    0.466       0.466
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            330         386
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 41.931      41.931
## BW bias (b)                 89.964      89.964
## rho (h/b)                    0.466       0.466
```

```
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.267     0.069    -3.884     0.000    [-0.402 , -0.132]
##         Robust         -         -    -3.745     0.000    [-0.442 , -0.138]
## ===============================================================================
## Point 238 of 336
## Minimum treated distance is  1.424983
## There are 61 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.415468
## There are 112 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            625         286
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 52.044      52.044
## BW bias (b)                 80.520      80.520
## rho (h/b)                    0.646       0.646
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            625         286
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 52.044      52.044
## BW bias (b)                 80.520      80.520
## rho (h/b)                    0.646       0.646
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.225     0.072    -3.121     0.002    [-0.367 , -0.084]
##         Robust         -         -    -2.666     0.008    [-0.404 , -0.062]
## ===============================================================================
## Point 239 of 336
## Minimum treated distance is  1.383107
```

```
## There are 105 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.0807
## There are 95 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            603         473
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 53.557      53.557
## BW bias (b)                117.897     117.897
## rho (h/b)                    0.454       0.454
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            603         473
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 53.557      53.557
## BW bias (b)                117.897     117.897
## rho (h/b)                    0.454       0.454
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.258     0.062    -4.160     0.000    [-0.380 , -0.137]
##         Robust         -         -    -4.118     0.000    [-0.421 , -0.149]
## ===============================================================================
## Point 240 of 336
## Minimum treated distance is  1.78016
## There are 91 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.773612
## There are 96 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
```

```
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             509         315
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  47.307      47.307
## BW bias (b)                  85.599      85.599
## rho (h/b)                     0.553       0.553
## Unique Obs.                    2357        2951
##
## Call: rdrobust
##
## Number of Obs.                  6193
## BW type                        mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             509         315
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  47.307      47.307
## BW bias (b)                  85.599      85.599
## rho (h/b)                     0.553       0.553
## Unique Obs.                    2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.229     0.075    -3.058     0.002    [-0.376 , -0.082]
##         Robust         -         -    -2.928     0.003    [-0.424 , -0.084]
## ===============================================================================
## Point 241 of 336
## Minimum treated distance is  1.832762
## There are 111 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.64392
## There are 60 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                  6193
## BW type                        mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             331         494
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  44.284      44.284
## BW bias (b)                  89.016      89.016
## rho (h/b)                     0.497       0.497
## Unique Obs.                    2357        2951
##
```

```
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            331         494
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 44.284      44.284
## BW bias (b)                 89.016      89.016
## rho (h/b)                    0.497       0.497
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.234     0.064    -3.632     0.000    [-0.360 , -0.108]
##         Robust         -         -    -3.380     0.001    [-0.398 , -0.106]
## ===============================================================================
## Point 242 of 336
## Minimum treated distance is  2.285138
## There are 112 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  0.8674128
## There are 63 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            342         508
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.257      45.257
## BW bias (b)                 92.516      92.516
## rho (h/b)                    0.489       0.489
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            342         508
## Order est. (p)                   1           1
```

```
## Order bias  (q)                 2          2
## BW est. (h)                45.257     45.257
## BW bias (b)                92.516     92.516
## rho (h/b)                   0.489      0.489
## Unique Obs.                  2357       2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.234     0.065    -3.606     0.000    [-0.361 , -0.107]
##         Robust         -         -    -3.386     0.001    [-0.401 , -0.107]
## ===============================================================================
## Point 243 of 336
## Minimum treated distance is  1.253073
## There are 112 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.346809
## There are 68 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2671       3522
## Eff. Number of Obs.           345        458
## Order est. (p)                  1          1
## Order bias  (q)                 2          2
## BW est. (h)                44.343     44.343
## BW bias (b)                92.673     92.673
## rho (h/b)                   0.478      0.478
## Unique Obs.                  2357       2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2671       3522
## Eff. Number of Obs.           345        458
## Order est. (p)                  1          1
## Order bias  (q)                 2          2
## BW est. (h)                44.343     44.343
## BW bias (b)                92.673     92.673
## rho (h/b)                   0.478      0.478
## Unique Obs.                  2357       2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.246     0.067    -3.681     0.000    [-0.378 , -0.115]
```

```
##         Robust         -         -    -3.519     0.000    [-0.418 , -0.119]
## ================================================================================
## Point 244 of 336
## Minimum treated distance is  1.619895
## There are 113 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.032931
## There are 65 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            351         484
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.040      45.040
## BW bias (b)                 92.828      92.828
## rho (h/b)                    0.485       0.485
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            351         484
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.040      45.040
## BW bias (b)                 92.828      92.828
## rho (h/b)                    0.485       0.485
## Unique Obs.                   2357        2951
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.240     0.067    -3.552     0.000    [-0.372 , -0.107]
##         Robust         -         -    -3.375     0.001    [-0.413 , -0.110]
## ================================================================================
## Point 245 of 336
## Minimum treated distance is  2.170046
## There are 115 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.101534
## There are 64 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
```

```
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            353         512
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.883      45.883
## BW bias (b)                 94.068      94.068
## rho (h/b)                    0.488       0.488
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            353         512
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.883      45.883
## BW bias (b)                 94.068      94.068
## rho (h/b)                    0.488       0.488
## Unique Obs.                   2357        2951
##
## ============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ============================================================================
##   Conventional    -0.234     0.066    -3.555     0.000    [-0.362 , -0.105]
##         Robust         -         -    -3.357     0.001    [-0.403 , -0.106]
## ============================================================================
## Point 246 of 336
## Minimum treated distance is  1.211347
## There are 61 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.361355
## There are 112 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            638         302
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 52.961      52.961
```

```
## BW bias (b)                 80.825      80.825
## rho (h/b)                    0.655       0.655
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            638         302
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 52.961      52.961
## BW bias (b)                 80.825      80.825
## rho (h/b)                    0.655       0.655
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.225     0.079    -2.864     0.004    [-0.380 , -0.071]
##         Robust         -         -    -2.424     0.015    [-0.421 , -0.045]
## ===============================================================================
## Point 247 of 336
## Minimum treated distance is  1.457035
## There are 91 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.794436
## There are 95 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            497         306
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 46.809      46.809
## BW bias (b)                 82.899      82.899
## rho (h/b)                    0.565       0.565
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
```

```
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             497         306
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  46.809      46.809
## BW bias (b)                  82.899      82.899
## rho (h/b)                     0.565       0.565
## Unique Obs.                    2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.226     0.073    -3.078     0.002    [-0.369 , -0.082]
##         Robust         -         -    -2.895     0.004    [-0.416 , -0.080]
## ===============================================================================
## Point 248 of 336
## Minimum treated distance is  1.345695
## There are 91 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.844541
## There are 95 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             483         300
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  46.452      46.452
## BW bias (b)                  81.883      81.883
## rho (h/b)                     0.567       0.567
## Unique Obs.                    2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             483         300
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  46.452      46.452
## BW bias (b)                  81.883      81.883
## rho (h/b)                     0.567       0.567
## Unique Obs.                    2357        2951
##
```

```
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.224     0.074    -3.042     0.002    [-0.369 , -0.080]
##         Robust         -         -    -2.837     0.005    [-0.415 , -0.076]
## ================================================================================
## Point 249 of 336
## Minimum treated distance is  0.531619
## There are 94 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.225617
## There are 91 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            483         323
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 47.124      47.124
## BW bias (b)                 82.208      82.208
## rho (h/b)                    0.573       0.573
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            483         323
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 47.124      47.124
## BW bias (b)                 82.208      82.208
## rho (h/b)                    0.573       0.573
## Unique Obs.                   2357        2951
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.219     0.072    -3.037     0.002    [-0.361 , -0.078]
##         Robust         -         -    -2.806     0.005    [-0.405 , -0.072]
## ================================================================================
## Point 250 of 336
## Minimum treated distance is  0.6266761
## There are 107 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.795315
```

```
## There are 85 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            379         309
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 43.349      43.349
## BW bias (b)                 93.062      93.062
## rho (h/b)                    0.466       0.466
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            379         309
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 43.349      43.349
## BW bias (b)                 93.062      93.062
## rho (h/b)                    0.466       0.466
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.207     0.073    -2.823     0.005    [-0.350 , -0.063]
##         Robust         -         -    -2.909     0.004    [-0.395 , -0.077]
## ===============================================================================
## Point 251 of 336
## Minimum treated distance is  0.9106542
## There are 106 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.924428
## There are 83 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
```

```
## Eff. Number of Obs.            456         357
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 47.169      47.169
## BW bias (b)                 83.856      83.856
## rho (h/b)                    0.562       0.562
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            456         357
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 47.169      47.169
## BW bias (b)                 83.856      83.856
## rho (h/b)                    0.562       0.562
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.207     0.067    -3.096     0.002    [-0.337 , -0.076]
##         Robust         -         -    -2.844     0.004    [-0.378 , -0.070]
## ===============================================================================
## Point 252 of 336
## Minimum treated distance is  0.5069377
## There are 102 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.010726
## There are 84 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            470         350
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 47.455      47.455
## BW bias (b)                 81.470      81.470
## rho (h/b)                    0.582       0.582
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
```

```
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            470         350
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 47.455      47.455
## BW bias (b)                 81.470      81.470
## rho (h/b)                    0.582       0.582
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.211     0.069    -3.037     0.002    [-0.347 , -0.075]
##         Robust         -         -    -2.742     0.006    [-0.389 , -0.065]
## ===============================================================================
## Point 253 of 336
## Minimum treated distance is  1.157899
## There are 62 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.224375
## There are 107 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            608         293
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 51.951      51.951
## BW bias (b)                 81.589      81.589
## rho (h/b)                    0.637       0.637
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            608         293
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 51.951      51.951
```

```
## BW bias (b)                 81.589      81.589
## rho (h/b)                    0.637       0.637
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.219     0.075    -2.921     0.003    [-0.366 , -0.072]
##         Robust         -         -    -2.459     0.014    [-0.404 , -0.046]
## ===============================================================================
## Point 254 of 336
## Minimum treated distance is  1.278659
## There are 61 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.541328
## There are 103 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            561         285
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 50.702      50.702
## BW bias (b)                 80.010      80.010
## rho (h/b)                    0.634       0.634
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            561         285
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 50.702      50.702
## BW bias (b)                 80.010      80.010
## rho (h/b)                    0.634       0.634
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.214     0.079    -2.724     0.006    [-0.368 , -0.060]
##         Robust         -         -    -2.232     0.026    [-0.405 , -0.026]
## ===============================================================================
```

```
## Point 255 of 336
## Minimum treated distance is  1.587306
## There are 65 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  0.828281
## There are 102 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            535         290
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.921      49.921
## BW bias (b)                 79.201      79.201
## rho (h/b)                    0.630       0.630
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            535         290
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 49.921      49.921
## BW bias (b)                 79.201      79.201
## rho (h/b)                    0.630       0.630
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.211     0.079    -2.671     0.008    [-0.367 , -0.056]
##         Robust         -         -    -2.163     0.031    [-0.401 , -0.020]
## ===============================================================================
## Point 256 of 336
## Minimum treated distance is  0.9632635
## There are 107 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.162123
## There are 82 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
```

```
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            452         362
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 47.242      47.242
## BW bias (b)                 82.496      82.496
## rho (h/b)                    0.573       0.573
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            452         362
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 47.242      47.242
## BW bias (b)                 82.496      82.496
## rho (h/b)                    0.573       0.573
## Unique Obs.                   2357        2951
##
## ============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ============================================================================
##   Conventional    -0.203     0.065    -3.144     0.002    [-0.329 , -0.076]
##         Robust         -         -    -2.827     0.005    [-0.368 , -0.067]
## ============================================================================
## Point 257 of 336
## Minimum treated distance is  1.664032
## There are 70 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.167201
## There are 96 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            494         288
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 48.340      48.340
## BW bias (b)                 78.156      78.156
## rho (h/b)                    0.618       0.618
```

```
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            494         288
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 48.340      48.340
## BW bias (b)                 78.156      78.156
## rho (h/b)                    0.618       0.618
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.207     0.076    -2.714     0.007    [-0.357 , -0.058]
##         Robust         -         -    -2.161     0.031    [-0.385 , -0.019]
## ===============================================================================
## Point 258 of 336
## Minimum treated distance is  1.33547
## There are 73 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.077833
## There are 94 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            482         292
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 47.682      47.682
## BW bias (b)                 77.328      77.328
## rho (h/b)                    0.617       0.617
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
```

```
## Eff. Number of Obs.            482         292
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 47.682      47.682
## BW bias (b)                 77.328      77.328
## rho (h/b)                    0.617       0.617
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.205     0.082    -2.503     0.012    [-0.366 , -0.045]
##         Robust         -         -    -1.967     0.049    [-0.393 , -0.001]
## ===============================================================================
## Point 259 of 336
## Minimum treated distance is  1.455121
## There are 74 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.86301
## There are 92 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            452         280
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 46.410      46.410
## BW bias (b)                 75.557      75.557
## rho (h/b)                    0.614       0.614
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            452         280
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 46.410      46.410
## BW bias (b)                 75.557      75.557
## rho (h/b)                    0.614       0.614
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
```

```
## ================================================================================
##   Conventional    -0.203     0.083    -2.436     0.015    [-0.366 , -0.040]
##         Robust         -         -    -1.895     0.058    [-0.390 , 0.007]
## ================================================================================
## Point 260 of 336
## Minimum treated distance is  1.709736
## There are 79 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.558112
## There are 88 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            423         280
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.312      45.312
## BW bias (b)                 75.573      75.573
## rho (h/b)                    0.600       0.600
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            423         280
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 45.312      45.312
## BW bias (b)                 75.573      75.573
## rho (h/b)                    0.600       0.600
## Unique Obs.                   2357        2951
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.202     0.082    -2.464     0.014    [-0.362 , -0.041]
##         Robust         -         -    -1.915     0.056    [-0.384 , 0.004]
## ================================================================================
## Point 261 of 336
## Minimum treated distance is  1.425773
## There are 89 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.021061
## There are 79 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
```

```
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            367         275
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 42.776      42.776
## BW bias (b)                 74.142      74.142
## rho (h/b)                    0.577       0.577
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            367         275
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 42.776      42.776
## BW bias (b)                 74.142      74.142
## rho (h/b)                    0.577       0.577
## Unique Obs.                   2357        2951
##
## =============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## =============================================================================
##   Conventional    -0.196     0.087    -2.250     0.024    [-0.366 , -0.025]
##         Robust         -         -    -1.731     0.083    [-0.384 , 0.024]
## =============================================================================
## Point 262 of 336
## Minimum treated distance is  1.597864
## There are 100 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.260952
## There are 65 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            316         278
## Order est. (p)                   1           1
```

```
## Order bias  (q)                 2          2
## BW est. (h)                40.841     40.841
## BW bias (b)                75.291     75.291
## rho (h/b)                   0.542      0.542
## Unique Obs.                 2357       2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671       3522
## Eff. Number of Obs.            316        278
## Order est. (p)                   1          1
## Order bias  (q)                  2          2
## BW est. (h)                40.841     40.841
## BW bias (b)                75.291     75.291
## rho (h/b)                   0.542      0.542
## Unique Obs.                 2357       2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.181     0.088    -2.051     0.040    [-0.353 , -0.008]
##         Robust         -         -    -1.580     0.114    [-0.367 , 0.039]
## ===============================================================================
## Point 263 of 336
## Minimum treated distance is  0.5897622
## There are 120 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.377322
## There are 57 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671       3522
## Eff. Number of Obs.            235        264
## Order est. (p)                   1          1
## Order bias  (q)                  2          2
## BW est. (h)                36.312     36.312
## BW bias (b)                70.983     70.983
## rho (h/b)                   0.512      0.512
## Unique Obs.                 2357       2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
```

```
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            235         264
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 36.312      36.312
## BW bias (b)                 70.983      70.983
## rho (h/b)                    0.512       0.512
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.168     0.088    -1.909     0.056    [-0.340 , 0.005]
##         Robust         -         -    -1.424     0.154    [-0.339 , 0.054]
## ===============================================================================
## Point 264 of 336
## Minimum treated distance is  1.231719
## There are 128 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.65963
## There are 51 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            210         261
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 35.233      35.233
## BW bias (b)                 69.245      69.245
## rho (h/b)                    0.509       0.509
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            210         261
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 35.233      35.233
## BW bias (b)                 69.245      69.245
## rho (h/b)                    0.509       0.509
```

```
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.158     0.083    -1.916     0.055    [-0.320 , 0.004]
##         Robust         -         -    -1.430     0.153    [-0.319 , 0.050]
## ===============================================================================
## Point 265 of 336
## Minimum treated distance is  1.496072
## There are 130 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.352421
## There are 47 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            193         274
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 34.961      34.961
## BW bias (b)                 69.562      69.562
## rho (h/b)                    0.503       0.503
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            193         274
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 34.961      34.961
## BW bias (b)                 69.562      69.562
## rho (h/b)                    0.503       0.503
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.147     0.082    -1.807     0.071    [-0.307 , 0.013]
##         Robust         -         -    -1.340     0.180    [-0.307 , 0.058]
## ===============================================================================
## Point 266 of 336
## Minimum treated distance is  1.342818
```

```
## There are 128 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  0.7220957
## There are 46 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            195         280
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 35.345      35.345
## BW bias (b)                 74.091      74.091
## rho (h/b)                    0.477       0.477
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            195         280
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 35.345      35.345
## BW bias (b)                 74.091      74.091
## rho (h/b)                    0.477       0.477
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.149     0.087    -1.702     0.089    [-0.320 , 0.023]
##         Robust         -         -    -1.250     0.211    [-0.315 , 0.070]
## ===============================================================================
## Point 267 of 336
## Minimum treated distance is  1.558474
## There are 131 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  0.9591511
## There are 47 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
```

```
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             194         276
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  35.184      35.184
## BW bias (b)                  71.526      71.526
## rho (h/b)                     0.492       0.492
## Unique Obs.                    2357        2951
##
## Call: rdrobust
##
## Number of Obs.                  6193
## BW type                        mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             194         276
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  35.184      35.184
## BW bias (b)                  71.526      71.526
## rho (h/b)                     0.492       0.492
## Unique Obs.                    2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.146     0.085    -1.710     0.087    [-0.314 , 0.021]
##         Robust         -         -    -1.257     0.209    [-0.312 , 0.068]
## ===============================================================================
## Point 268 of 336
## Minimum treated distance is  1.108551
## There are 108 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.244301
## There are 59 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                  6193
## BW type                        mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             266         265
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  38.652      38.652
## BW bias (b)                  73.439      73.439
## rho (h/b)                     0.526       0.526
## Unique Obs.                    2357        2951
##
```

```
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            266         265
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 38.652      38.652
## BW bias (b)                 73.439      73.439
## rho (h/b)                    0.526       0.526
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.169     0.093    -1.807     0.071    [-0.352 , 0.014]
##         Robust         -         -    -1.368     0.171    [-0.362 , 0.064]
## ===============================================================================
## Point 269 of 336
## Minimum treated distance is  1.39739
## There are 114 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.331547
## There are 55 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            242         267
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 37.250      37.250
## BW bias (b)                 72.019      72.019
## rho (h/b)                    0.517       0.517
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            242         267
## Order est. (p)                   1           1
```

```
## Order bias  (q)                 2          2
## BW est. (h)                37.250     37.250
## BW bias (b)                72.019     72.019
## rho (h/b)                   0.517      0.517
## Unique Obs.                  2357       2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.163     0.096    -1.697     0.090    [-0.351 , 0.025]
##         Robust         -         -    -1.269     0.205    [-0.358 , 0.077]
## ===============================================================================
## Point 270 of 336
## Minimum treated distance is  1.153374
## There are 111 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.050474
## There are 56 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2671       3522
## Eff. Number of Obs.           239        264
## Order est. (p)                  1          1
## Order bias  (q)                 2          2
## BW est. (h)                37.387     37.387
## BW bias (b)                72.229     72.229
## rho (h/b)                   0.518      0.518
## Unique Obs.                  2357       2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2671       3522
## Eff. Number of Obs.           239        264
## Order est. (p)                  1          1
## Order bias  (q)                 2          2
## BW est. (h)                37.387     37.387
## BW bias (b)                72.229     72.229
## rho (h/b)                   0.518      0.518
## Unique Obs.                  2357       2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.161     0.092    -1.745     0.081    [-0.342 , 0.020]
```

```
##         Robust         -         -    -1.312     0.189    [-0.349 , 0.069]
## ================================================================================
## Point 271 of 336
## Minimum treated distance is  1.632877
## There are 133 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.072288
## There are 44 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            182         272
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 34.419      34.419
## BW bias (b)                 73.713      73.713
## rho (h/b)                    0.467       0.467
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            182         272
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 34.419      34.419
## BW bias (b)                 73.713      73.713
## rho (h/b)                    0.467       0.467
## Unique Obs.                   2357        2951
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.146     0.080    -1.822     0.068    [-0.303 , 0.011]
##         Robust         -         -    -1.342     0.180    [-0.296 , 0.055]
## ================================================================================
## Point 272 of 336
## Minimum treated distance is  1.828596
## There are 135 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.564908
## There are 43 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
```

```
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            176         287
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 34.726      34.726
## BW bias (b)                 76.243      76.243
## rho (h/b)                    0.455       0.455
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            176         287
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 34.726      34.726
## BW bias (b)                 76.243      76.243
## rho (h/b)                    0.455       0.455
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.142     0.082    -1.724     0.085    [-0.303 , 0.019]
##         Robust         -         -    -1.253     0.210    [-0.293 , 0.065]
## ===============================================================================
## Point 273 of 336
## Minimum treated distance is  1.063767
## There are 139 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.999404
## There are 41 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            160         293
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 34.149      34.149
```

```
## BW bias (b)                 77.785      77.785
## rho (h/b)                    0.439       0.439
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            160         293
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 34.149      34.149
## BW bias (b)                 77.785      77.785
## rho (h/b)                    0.439       0.439
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.134     0.080    -1.687     0.092    [-0.291 , 0.022]
##         Robust         -         -    -1.217     0.223    [-0.280 , 0.065]
## ===============================================================================
## Point 274 of 336
## Minimum treated distance is  1.273871
## There are 139 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.221177
## There are 36 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            132         278
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 32.190      32.190
## BW bias (b)                 73.981      73.981
## rho (h/b)                    0.435       0.435
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
```

```
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             132         278
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  32.190      32.190
## BW bias (b)                  73.981      73.981
## rho (h/b)                     0.435       0.435
## Unique Obs.                    2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.127     0.076    -1.661     0.097    [-0.277 , 0.023]
##         Robust         -         -    -1.167     0.243    [-0.263 , 0.067]
## ===============================================================================
## Point 275 of 336
## Minimum treated distance is  0.9987755
## There are 140 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.176934
## There are 33 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             117         277
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  31.499      31.499
## BW bias (b)                  71.150      71.150
## rho (h/b)                     0.443       0.443
## Unique Obs.                    2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             117         277
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  31.499      31.499
## BW bias (b)                  71.150      71.150
## rho (h/b)                     0.443       0.443
## Unique Obs.                    2357        2951
##
```

```
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.102     0.081    -1.254     0.210    [-0.261 , 0.057]
##         Robust         -         -    -0.802     0.422    [-0.248 , 0.104]
## ================================================================================
## Point 276 of 336
## Minimum treated distance is  1.934955
## There are 139 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.237106
## There are 32 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            105         285
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 31.657      31.657
## BW bias (b)                 63.961      63.961
## rho (h/b)                    0.495       0.495
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            105         285
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 31.657      31.657
## BW bias (b)                 63.961      63.961
## rho (h/b)                    0.495       0.495
## Unique Obs.                   2357        2951
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.082     0.072    -1.133     0.257    [-0.224 , 0.060]
##         Robust         -         -    -0.673     0.501    [-0.217 , 0.106]
## ================================================================================
## Point 277 of 336
## Minimum treated distance is  0.8208966
## There are 81 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.481607
```

```
## There are 69 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            207         221
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 35.185      35.185
## BW bias (b)                 62.589      62.589
## rho (h/b)                    0.562       0.562
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            207         221
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 35.185      35.185
## BW bias (b)                 62.589      62.589
## rho (h/b)                    0.562       0.562
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.068     0.102    -0.668     0.504    [-0.268 , 0.132]
##         Robust         -         -    -0.512     0.608    [-0.307 , 0.180]
## ===============================================================================
## Point 278 of 336
## Minimum treated distance is  1.094936
## There are 84 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.998246
## There are 68 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
```

```
## Eff. Number of Obs.            225         230
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 36.126      36.126
## BW bias (b)                 65.688      65.688
## rho (h/b)                    0.550       0.550
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            225         230
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 36.126      36.126
## BW bias (b)                 65.688      65.688
## rho (h/b)                    0.550       0.550
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.088     0.104    -0.848     0.396    [-0.291 , 0.115]
##         Robust         -         -    -0.609     0.543    [-0.321 , 0.169]
## ===============================================================================
## Point 279 of 336
## Minimum treated distance is  1.317678
## There are 90 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.281303
## There are 65 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            208         237
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 35.562      35.562
## BW bias (b)                 63.452      63.452
## rho (h/b)                    0.560       0.560
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
```

```
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            208         237
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 35.562      35.562
## BW bias (b)                 63.452      63.452
## rho (h/b)                    0.560       0.560
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.066     0.102    -0.647     0.517    [-0.267 , 0.134]
##         Robust         -         -    -0.443     0.658    [-0.298 , 0.188]
## ===============================================================================
## Point 280 of 336
## Minimum treated distance is  1.436972
## There are 76 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  3.060382
## There are 68 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            196         215
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 34.767      34.767
## BW bias (b)                 61.633      61.633
## rho (h/b)                    0.564       0.564
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            196         215
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 34.767      34.767
```

```
## BW bias (b)                 61.633      61.633
## rho (h/b)                    0.564       0.564
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.051     0.102    -0.503     0.615    [-0.252 , 0.149]
##         Robust         -         -    -0.367     0.714    [-0.289 , 0.198]
## ===============================================================================
## Point 281 of 336
## Minimum treated distance is  1.678331
## There are 138 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.669913
## There are 31 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.             93         284
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 30.988      30.988
## BW bias (b)                 63.408      63.408
## rho (h/b)                    0.489       0.489
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.             93         284
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 30.988      30.988
## BW bias (b)                 63.408      63.408
## rho (h/b)                    0.489       0.489
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.072     0.075    -0.958     0.338    [-0.219 , 0.075]
##         Robust         -         -    -0.511     0.609    [-0.212 , 0.124]
## ===============================================================================
```

```
## Point 282 of 336
## Minimum treated distance is  2.18661
## There are 93 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.062221
## There are 61 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            188         239
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 34.814      34.814
## BW bias (b)                 62.734      62.734
## rho (h/b)                    0.555       0.555
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            188         239
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 34.814      34.814
## BW bias (b)                 62.734      62.734
## rho (h/b)                    0.555       0.555
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.038     0.103    -0.372     0.710    [-0.240 , 0.163]
##         Robust         -         -    -0.186     0.853    [-0.266 , 0.220]
## ===============================================================================
## Point 283 of 336
## Minimum treated distance is  1.715053
## There are 76 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  3.162731
## There are 65 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
```

```
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            188         222
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 34.913      34.913
## BW bias (b)                 61.251      61.251
## rho (h/b)                    0.570       0.570
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            188         222
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 34.913      34.913
## BW bias (b)                 61.251      61.251
## rho (h/b)                    0.570       0.570
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.030     0.100    -0.299     0.765    [-0.225 , 0.165]
##         Robust         -         -    -0.134     0.894    [-0.252 , 0.220]
## ===============================================================================
## Point 284 of 336
## Minimum treated distance is  1.580296
## There are 86 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.766646
## There are 60 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            174         240
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 34.651      34.651
## BW bias (b)                 65.351      65.351
## rho (h/b)                    0.530       0.530
```

```
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            174         240
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 34.651      34.651
## BW bias (b)                 65.351      65.351
## rho (h/b)                    0.530       0.530
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.009     0.104    -0.086     0.932    [-0.213 , 0.195]
##         Robust         -         -     0.145     0.885    [-0.222 , 0.257]
## ===============================================================================
## Point 285 of 336
## Minimum treated distance is  0.7376783
## There are 129 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.158964
## There are 30 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.             91         290
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 31.703      31.703
## BW bias (b)                 59.662      59.662
## rho (h/b)                    0.531       0.531
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
```

```
## Eff. Number of Obs.             91         290
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 31.703      31.703
## BW bias (b)                 59.662      59.662
## rho (h/b)                    0.531       0.531
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.052     0.085    -0.613     0.540    [-0.219 , 0.115]
##         Robust          -         -    -0.265     0.791    [-0.220 , 0.167]
## ===============================================================================
## Point 286 of 336
## Minimum treated distance is  2.081976
## There are 106 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.179862
## There are 39 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            109         286
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 33.278      33.278
## BW bias (b)                 65.979      65.979
## rho (h/b)                    0.504       0.504
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            109         286
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 33.278      33.278
## BW bias (b)                 65.979      65.979
## rho (h/b)                    0.504       0.504
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
```

```
## ================================================================================
##   Conventional    -0.012     0.110    -0.109     0.913    [-0.228 , 0.204]
##         Robust         -         -     0.109     0.913    [-0.234 , 0.261]
## ================================================================================
## Point 287 of 336
## Minimum treated distance is  1.61896
## There are 113 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.577722
## There are 40 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            100         278
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 32.369      32.369
## BW bias (b)                 58.327      58.327
## rho (h/b)                    0.555       0.555
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            100         278
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 32.369      32.369
## BW bias (b)                 58.327      58.327
## rho (h/b)                    0.555       0.555
## Unique Obs.                   2357        2951
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.019     0.094    -0.201     0.841    [-0.203 , 0.165]
##         Robust         -         -    -0.033     0.974    [-0.222 , 0.215]
## ================================================================================
## Point 288 of 336
## Minimum treated distance is  2.136136
## There are 116 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.477053
## There are 35 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
```

```
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            110         294
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 33.271      33.271
## BW bias (b)                 57.433      57.433
## rho (h/b)                    0.579       0.579
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            110         294
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 33.271      33.271
## BW bias (b)                 57.433      57.433
## rho (h/b)                    0.579       0.579
## Unique Obs.                   2357        2951
##
## =============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## =============================================================================
##   Conventional    -0.048     0.087    -0.553     0.580    [-0.218 , 0.122]
##         Robust         -         -    -0.311     0.756    [-0.236 , 0.171]
## =============================================================================
## Point 289 of 336
## Minimum treated distance is  1.944579
## There are 126 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.743746
## There are 34 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            104         295
## Order est. (p)                   1           1
```

```
## Order bias  (q)                 2          2
## BW est. (h)                32.802     32.802
## BW bias (b)                57.348     57.348
## rho (h/b)                   0.572      0.572
## Unique Obs.                  2357       2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671       3522
## Eff. Number of Obs.            104        295
## Order est. (p)                   1          1
## Order bias  (q)                  2          2
## BW est. (h)                32.802     32.802
## BW bias (b)                57.348     57.348
## rho (h/b)                   0.572      0.572
## Unique Obs.                  2357       2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.052     0.080    -0.650     0.516    [-0.209 , 0.105]
##         Robust         -         -    -0.362     0.717    [-0.222 , 0.153]
## ===============================================================================
## Point 290 of 336
## Minimum treated distance is  2.61717
## There are 107 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.088495
## There are 37 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671       3522
## Eff. Number of Obs.            116        299
## Order est. (p)                   1          1
## Order bias  (q)                  2          2
## BW est. (h)                34.484     34.484
## BW bias (b)                74.667     74.667
## rho (h/b)                   0.462      0.462
## Unique Obs.                  2357       2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
```

```
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            116         299
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 34.484      34.484
## BW bias (b)                 74.667      74.667
## rho (h/b)                    0.462       0.462
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.013     0.120    -0.106     0.916    [-0.248 , 0.223]
##         Robust         -         -     0.148     0.883    [-0.241 , 0.280]
## ===============================================================================
## Point 291 of 336
## Minimum treated distance is  2.257199
## There are 109 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  0.7593225
## There are 33 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            102         312
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 34.092      34.092
## BW bias (b)                 74.285      74.285
## rho (h/b)                    0.459       0.459
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            102         312
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 34.092      34.092
## BW bias (b)                 74.285      74.285
## rho (h/b)                    0.459       0.459
```

```
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.020     0.120    -0.164     0.870    [-0.256 , 0.216]
##         Robust         -         -     0.089     0.929    [-0.247 , 0.271]
## ===============================================================================
## Point 292 of 336
## Minimum treated distance is  1.618415
## There are 64 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.388303
## There are 67 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            174         196
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 33.441      33.441
## BW bias (b)                 59.585      59.585
## rho (h/b)                    0.561       0.561
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            174         196
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 33.441      33.441
## BW bias (b)                 59.585      59.585
## rho (h/b)                    0.561       0.561
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.016     0.090    -0.179     0.858    [-0.193 , 0.161]
##         Robust         -         -     0.016     0.987    [-0.209 , 0.212]
## ===============================================================================
## Point 293 of 336
## Minimum treated distance is  1.908692
```

```
## There are 44 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  3.328256
## There are 61 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            215         247
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 38.960      38.960
## BW bias (b)                 70.410      70.410
## rho (h/b)                    0.553       0.553
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            215         247
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 38.960      38.960
## BW bias (b)                 70.410      70.410
## rho (h/b)                    0.553       0.553
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.          z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.034     0.081    -0.421     0.673    [-0.192 , 0.124]
##         Robust         -         -    -0.219     0.827    [-0.211 , 0.168]
## ===============================================================================
## Point 294 of 336
## Minimum treated distance is  2.068324
## There are 120 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.753882
## There are 30 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
```

```
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.              87         301
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  32.651      32.651
## BW bias (b)                  63.234      63.234
## rho (h/b)                     0.516       0.516
## Unique Obs.                    2357        2951
##
## Call: rdrobust
##
## Number of Obs.                  6193
## BW type                        mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.              87         301
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  32.651      32.651
## BW bias (b)                  63.234      63.234
## rho (h/b)                     0.516       0.516
## Unique Obs.                    2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.026     0.102    -0.257     0.797    [-0.227 , 0.174]
##         Robust         -         -    -0.003     0.998    [-0.229 , 0.228]
## ===============================================================================
## Point 295 of 336
## Minimum treated distance is  1.943602
## There are 85 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.073006
## There are 57 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                  6193
## BW type                        mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             168         241
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  35.008      35.008
## BW bias (b)                  68.211      68.211
## rho (h/b)                     0.513       0.513
## Unique Obs.                    2357        2951
##
```

```
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            168         241
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 35.008      35.008
## BW bias (b)                 68.211      68.211
## rho (h/b)                    0.513       0.513
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.004     0.098     0.046     0.964    [-0.187 , 0.196]
##         Robust         -         -     0.294     0.769    [-0.189 , 0.255]
## ===============================================================================
## Point 296 of 336
## Minimum treated distance is  2.450761
## There are 86 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.875586
## There are 54 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            171         262
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 35.865      35.865
## BW bias (b)                 73.460      73.460
## rho (h/b)                    0.488       0.488
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            171         262
## Order est. (p)                   1           1
```

```
## Order bias  (q)                 2          2
## BW est. (h)                35.865     35.865
## BW bias (b)                73.460     73.460
## rho (h/b)                   0.488      0.488
## Unique Obs.                  2357       2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.002     0.100     0.025     0.980    [-0.193 , 0.198]
##         Robust         -         -     0.280     0.779    [-0.191 , 0.254]
## ===============================================================================
## Point 297 of 336
## Minimum treated distance is  3.395678
## There are 90 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  0.70731
## There are 51 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2671       3522
## Eff. Number of Obs.           165        279
## Order est. (p)                  1          1
## Order bias  (q)                 2          2
## BW est. (h)                36.070     36.070
## BW bias (b)                78.189     78.189
## rho (h/b)                   0.461      0.461
## Unique Obs.                  2357       2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2671       3522
## Eff. Number of Obs.           165        279
## Order est. (p)                  1          1
## Order bias  (q)                 2          2
## BW est. (h)                36.070     36.070
## BW bias (b)                78.189     78.189
## rho (h/b)                   0.461      0.461
## Unique Obs.                  2357       2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.006     0.110     0.058     0.954    [-0.209 , 0.221]
```

```
##         Robust         -         -     0.317     0.751    [-0.202 , 0.279]
## ================================================================================
## Point 298 of 336
## Minimum treated distance is  2.936938
## There are 49 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  3.997677
## There are 55 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            215         275
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 40.115      40.115
## BW bias (b)                 83.684      83.684
## rho (h/b)                    0.479       0.479
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            215         275
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 40.115      40.115
## BW bias (b)                 83.684      83.684
## rho (h/b)                    0.479       0.479
## Unique Obs.                   2357        2951
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.038     0.090    -0.427     0.669    [-0.214 , 0.137]
##         Robust         -         -    -0.104     0.917    [-0.211 , 0.189]
## ================================================================================
## Point 299 of 336
## Minimum treated distance is  3.543398
## There are 89 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.850232
## There are 45 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
```

```
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            138         288
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 35.448      35.448
## BW bias (b)                 79.157      79.157
## rho (h/b)                    0.448       0.448
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            138         288
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 35.448      35.448
## BW bias (b)                 79.157      79.157
## rho (h/b)                    0.448       0.448
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.005     0.117     0.045     0.964    [-0.223 , 0.234]
##         Robust         -         -     0.302     0.763    [-0.214 , 0.292]
## ===============================================================================
## Point 300 of 336
## Minimum treated distance is  3.625796
## There are 85 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.146834
## There are 50 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            159         289
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 36.460      36.460
```

```
## BW bias (b)                 81.746      81.746
## rho (h/b)                    0.446       0.446
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            159         289
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 36.460      36.460
## BW bias (b)                 81.746      81.746
## rho (h/b)                    0.446       0.446
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.006     0.114     0.052     0.958    [-0.218 , 0.229]
##         Robust         -         -     0.321     0.749    [-0.207 , 0.288]
## ===============================================================================
## Point 301 of 336
## Minimum treated distance is  2.672527
## There are 93 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  0.9880347
## There are 42 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            140         311
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 36.265      36.265
## BW bias (b)                 81.545      81.545
## rho (h/b)                    0.445       0.445
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
```

```
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             140         311
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  36.265      36.265
## BW bias (b)                  81.545      81.545
## rho (h/b)                     0.445       0.445
## Unique Obs.                    2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.006     0.121    -0.052     0.958    [-0.243 , 0.231]
##         Robust         -         -     0.213     0.832    [-0.233 , 0.290]
## ===============================================================================
## Point 302 of 336
## Minimum treated distance is  2.280451
## There are 106 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  0.8087306
## There are 30 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.              94         317
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  34.038      34.038
## BW bias (b)                  70.846      70.846
## rho (h/b)                     0.480       0.480
## Unique Obs.                    2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.              94         317
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  34.038      34.038
## BW bias (b)                  70.846      70.846
## rho (h/b)                     0.480       0.480
## Unique Obs.                    2357        2951
##
```

```
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.025     0.114    -0.218     0.827    [-0.248 , 0.199]
##         Robust         -         -     0.035     0.972    [-0.245 , 0.254]
## ================================================================================
## Point 303 of 336
## Minimum treated distance is  1.384344
## There are 98 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.291758
## There are 40 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            129         325
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 36.183      36.183
## BW bias (b)                 82.496      82.496
## rho (h/b)                    0.439       0.439
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            129         325
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 36.183      36.183
## BW bias (b)                 82.496      82.496
## rho (h/b)                    0.439       0.439
## Unique Obs.                   2357        2951
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.013     0.120    -0.111     0.911    [-0.249 , 0.222]
##         Robust         -         -     0.156     0.876    [-0.237 , 0.278]
## ================================================================================
## Point 304 of 336
## Minimum treated distance is  0.8500086
## There are 102 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.774027
```

```
## There are 40 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            117         329
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 35.923      35.923
## BW bias (b)                 80.828      80.828
## rho (h/b)                    0.444       0.444
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            117         329
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 35.923      35.923
## BW bias (b)                 80.828      80.828
## rho (h/b)                    0.444       0.444
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.017     0.121    -0.142     0.887    [-0.254 , 0.220]
##         Robust         -         -     0.121     0.904    [-0.244 , 0.276]
## ===============================================================================
## Point 305 of 336
## Minimum treated distance is  3.893923
## There are 46 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  3.519901
## There are 53 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
```

```
## Eff. Number of Obs.            235         315
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 42.292      42.292
## BW bias (b)                 89.990      89.990
## rho (h/b)                    0.470       0.470
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            235         315
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 42.292      42.292
## BW bias (b)                 89.990      89.990
## rho (h/b)                    0.470       0.470
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.053     0.093    -0.572     0.567    [-0.237 , 0.130]
##         Robust         -         -    -0.244     0.807    [-0.235 , 0.183]
## ===============================================================================
## Point 306 of 336
## Minimum treated distance is  1.805384
## There are 51 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.074103
## There are 42 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            558         589
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 61.024      61.024
## BW bias (b)                113.804     113.804
## rho (h/b)                    0.536       0.536
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
```

```
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            558         589
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 61.024      61.024
## BW bias (b)                113.804     113.804
## rho (h/b)                    0.536       0.536
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.069     0.062    -1.114     0.265    [-0.191 , 0.053]
##         Robust         -         -    -1.002     0.316    [-0.228 , 0.074]
## ===============================================================================
## Point 307 of 336
## Minimum treated distance is  3.565593
## There are 47 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  3.569679
## There are 40 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            363         438
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 50.658      50.658
## BW bias (b)                 98.095      98.095
## rho (h/b)                    0.516       0.516
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            363         438
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 50.658      50.658
```

```
## BW bias (b)                 98.095      98.095
## rho (h/b)                    0.516       0.516
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.089     0.076    -1.174     0.240    [-0.239 , 0.060]
##         Robust         -         -    -0.761     0.447    [-0.252 , 0.111]
## ===============================================================================
## Point 308 of 336
## Minimum treated distance is  2.338968
## There are 48 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  5.746186
## There are 34 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            291         389
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 47.317      47.317
## BW bias (b)                 86.678      86.678
## rho (h/b)                    0.546       0.546
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            291         389
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 47.317      47.317
## BW bias (b)                 86.678      86.678
## rho (h/b)                    0.546       0.546
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.094     0.080    -1.172     0.241    [-0.251 , 0.063]
##         Robust         -         -    -0.962     0.336    [-0.290 , 0.099]
## ===============================================================================
```

```
## Point 309 of 336
## Minimum treated distance is  2.313539
## There are 49 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  9.263973
## There are 31 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            200         258
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 40.037      40.037
## BW bias (b)                 82.258      82.258
## rho (h/b)                    0.487       0.487
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            200         258
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 40.037      40.037
## BW bias (b)                 82.258      82.258
## rho (h/b)                    0.487       0.487
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.086     0.084    -1.023     0.306    [-0.250 , 0.079]
##         Robust         -         -    -1.182     0.237    [-0.309 , 0.077]
## ===============================================================================
## Point 310 of 336
## Minimum treated distance is  2.712913
## There are 40 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  8.238583
## There are 29 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
```

```
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            181         192
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 37.877      37.877
## BW bias (b)                 82.339      82.339
## rho (h/b)                    0.460       0.460
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            181         192
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 37.877      37.877
## BW bias (b)                 82.339      82.339
## rho (h/b)                    0.460       0.460
## Unique Obs.                   2357        2951
##
## ============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ============================================================================
##   Conventional    -0.079     0.091    -0.867     0.386    [-0.257 , 0.099]
##         Robust         -         -    -1.093     0.274    [-0.317 , 0.090]
## ============================================================================
## Point 311 of 336
## Minimum treated distance is  3.819773
## There are 31 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  6.203698
## There are 35 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            183         154
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 37.224      37.224
## BW bias (b)                 82.075      82.075
## rho (h/b)                    0.454       0.454
```

```
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            183         154
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 37.224      37.224
## BW bias (b)                 82.075      82.075
## rho (h/b)                    0.454       0.454
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.077     0.097    -0.796     0.426    [-0.268 , 0.113]
##         Robust         -         -    -1.058     0.290    [-0.333 , 0.099]
## ===============================================================================
## Point 312 of 336
## Minimum treated distance is  3.348575
## There are 28 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  5.174367
## There are 40 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            182         132
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 36.732      36.732
## BW bias (b)                 82.425      82.425
## rho (h/b)                    0.446       0.446
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
```

```
## Eff. Number of Obs.            182         132
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 36.732      36.732
## BW bias (b)                 82.425      82.425
## rho (h/b)                    0.446       0.446
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional    -0.071     0.105    -0.675     0.500    [-0.276 , 0.134]
##         Robust         -         -    -0.948     0.343    [-0.342 , 0.119]
## ===============================================================================
## Point 313 of 336
## Minimum treated distance is  2.529409
## There are 29 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  4.064253
## There are 43 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            254         209
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 42.735      42.735
## BW bias (b)                 89.061      89.061
## rho (h/b)                    0.480       0.480
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            254         209
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 42.735      42.735
## BW bias (b)                 89.061      89.061
## rho (h/b)                    0.480       0.480
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
```

```
## ================================================================================
##   Conventional    -0.073     0.105    -0.691     0.489    [-0.278 , 0.133]
##         Robust         -         -    -0.879     0.380    [-0.342 , 0.130]
## ================================================================================
## Point 314 of 336
## Minimum treated distance is  3.209198
## There are 36 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.082605
## There are 39 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            413         444
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 57.191      57.191
## BW bias (b)                105.283     105.283
## rho (h/b)                    0.543       0.543
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            413         444
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 57.191      57.191
## BW bias (b)                105.283     105.283
## rho (h/b)                    0.543       0.543
## Unique Obs.                   2357        2951
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional    -0.005     0.086    -0.053     0.957    [-0.174 , 0.165]
##         Robust         -         -     0.144     0.885    [-0.190 , 0.220]
## ================================================================================
## Point 315 of 336
## Minimum treated distance is  2.684272
## There are 39 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.14718
## There are 32 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
```

```
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            400         460
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 56.974      56.974
## BW bias (b)                110.041     110.041
## rho (h/b)                    0.518       0.518
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            400         460
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 56.974      56.974
## BW bias (b)                110.041     110.041
## rho (h/b)                    0.518       0.518
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.009     0.090     0.100     0.920    [-0.167 , 0.185]
##         Robust         -         -     0.346     0.730    [-0.170 , 0.243]
## ===============================================================================
## Point 316 of 336
## Minimum treated distance is  2.26044
## There are 39 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  0.7455471
## There are 27 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            412         478
## Order est. (p)                   1           1
```

```
## Order bias  (q)                 2          2
## BW est. (h)                58.349     58.349
## BW bias (b)               116.120    116.120
## rho (h/b)                   0.502      0.502
## Unique Obs.                 2357       2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671       3522
## Eff. Number of Obs.            412        478
## Order est. (p)                   1          1
## Order bias  (q)                  2          2
## BW est. (h)                58.349     58.349
## BW bias (b)               116.120    116.120
## rho (h/b)                   0.502      0.502
## Unique Obs.                 2357       2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.017     0.088     0.192     0.848    [-0.156 , 0.190]
##         Robust         -         -     0.455     0.649    [-0.155 , 0.248]
## ===============================================================================
## Point 317 of 336
## Minimum treated distance is  2.091612
## There are 42 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.744931
## There are 28 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671       3522
## Eff. Number of Obs.            435        503
## Order est. (p)                   1          1
## Order bias  (q)                  2          2
## BW est. (h)                60.716     60.716
## BW bias (b)               122.027    122.027
## rho (h/b)                   0.498      0.498
## Unique Obs.                 2357       2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
```

```
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            435         503
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 60.716      60.716
## BW bias (b)                122.027     122.027
## rho (h/b)                    0.498       0.498
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.034     0.089     0.381     0.703    [-0.141 , 0.209]
##         Robust         -         -     0.640     0.522    [-0.136 , 0.268]
## ===============================================================================
## Point 318 of 336
## Minimum treated distance is  2.465862
## There are 45 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.711084
## There are 19 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            401         490
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 58.896      58.896
## BW bias (b)                121.513     121.513
## rho (h/b)                    0.485       0.485
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            401         490
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 58.896      58.896
## BW bias (b)                121.513     121.513
## rho (h/b)                    0.485       0.485
```

```
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.046     0.090     0.511     0.609    [-0.130 , 0.222]
##         Robust         -         -     0.766     0.443    [-0.123 , 0.280]
## ===============================================================================
## Point 319 of 336
## Minimum treated distance is  2.241758
## There are 57 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.669007
## There are 18 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            364         471
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 56.890      56.890
## BW bias (b)                119.265     119.265
## rho (h/b)                    0.477       0.477
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            364         471
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 56.890      56.890
## BW bias (b)                119.265     119.265
## rho (h/b)                    0.477       0.477
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.057     0.092     0.621     0.534    [-0.123 , 0.238]
##         Robust         -         -     0.862     0.389    [-0.115 , 0.295]
## ===============================================================================
## Point 320 of 336
## Minimum treated distance is  2.349919
```

```
## There are 59 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.951891
## There are 17 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            347         463
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 55.733      55.733
## BW bias (b)                117.319     117.319
## rho (h/b)                    0.475       0.475
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            347         463
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 55.733      55.733
## BW bias (b)                117.319     117.319
## rho (h/b)                    0.475       0.475
## Unique Obs.                   2357        2951
##
## =============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## =============================================================================
##   Conventional     0.065     0.094     0.697     0.486    [-0.119 , 0.250]
##         Robust         -         -     0.930     0.353    [-0.110 , 0.308]
## =============================================================================
## Point 321 of 336
## Minimum treated distance is  3.003719
## There are 57 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.305597
## There are 18 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
```

```
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             344         435
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  55.743      55.743
## BW bias (b)                 117.706     117.706
## rho (h/b)                     0.474       0.474
## Unique Obs.                    2357        2951
##
## Call: rdrobust
##
## Number of Obs.                  6193
## BW type                        mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             344         435
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  55.743      55.743
## BW bias (b)                 117.706     117.706
## rho (h/b)                     0.474       0.474
## Unique Obs.                    2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.081     0.100     0.802     0.422    [-0.116 , 0.277]
##         Robust         -         -     1.032     0.302    [-0.105 , 0.340]
## ===============================================================================
## Point 322 of 336
## Minimum treated distance is  3.66052
## There are 60 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  3.580635
## There are 27 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                  6193
## BW type                        mserd
## Kernel                    Triangular
## VCE method                        NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             320         381
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  53.754      53.754
## BW bias (b)                 113.392     113.392
## rho (h/b)                     0.474       0.474
## Unique Obs.                    2357        2951
##
```

```
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            320         381
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 53.754      53.754
## BW bias (b)                113.392     113.392
## rho (h/b)                    0.474       0.474
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.090     0.101     0.889     0.374    [-0.108 , 0.288]
##         Robust         -         -     1.102     0.270    [-0.098 , 0.351]
## ===============================================================================
## Point 323 of 336
## Minimum treated distance is  4.783467
## There are 56 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  3.913315
## There are 29 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            323         362
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 53.586      53.586
## BW bias (b)                113.513     113.513
## rho (h/b)                    0.472       0.472
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            323         362
## Order est. (p)                   1           1
```

```
## Order bias  (q)                 2          2
## BW est. (h)                53.586     53.586
## BW bias (b)               113.513    113.513
## rho (h/b)                   0.472      0.472
## Unique Obs.                  2357       2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.085     0.101     0.845     0.398    [-0.112 , 0.282]
##         Robust         -         -     1.058     0.290    [-0.103 , 0.344]
## ===============================================================================
## Point 324 of 336
## Minimum treated distance is  3.814237
## There are 56 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.054345
## There are 43 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2671       3522
## Eff. Number of Obs.           330        333
## Order est. (p)                  1          1
## Order bias  (q)                 2          2
## BW est. (h)                53.976     53.976
## BW bias (b)               103.175    103.175
## rho (h/b)                   0.523      0.523
## Unique Obs.                  2357       2951
##
## Call: rdrobust
##
## Number of Obs.                6193
## BW type                      mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.               2671       3522
## Eff. Number of Obs.           330        333
## Order est. (p)                  1          1
## Order bias  (q)                 2          2
## BW est. (h)                53.976     53.976
## BW bias (b)               103.175    103.175
## rho (h/b)                   0.523      0.523
## Unique Obs.                  2357       2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.096     0.091     1.064     0.287    [-0.081 , 0.274]
```

```
##         Robust         -         -     1.069     0.285    [-0.097 , 0.328]
## ================================================================================
## Point 325 of 336
## Minimum treated distance is  3.042795
## There are 49 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.7576
## There are 46 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            336         330
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 55.869      55.869
## BW bias (b)                105.645     105.645
## rho (h/b)                    0.529       0.529
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            336         330
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 55.869      55.869
## BW bias (b)                105.645     105.645
## rho (h/b)                    0.529       0.529
## Unique Obs.                   2357        2951
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional     0.113     0.094     1.208     0.227    [-0.070 , 0.297]
##         Robust         -         -     1.201     0.230    [-0.084 , 0.352]
## ================================================================================
## Point 326 of 336
## Minimum treated distance is  1.594246
## There are 48 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.318016
## There are 45 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
```

```
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            339         342
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 57.139      57.139
## BW bias (b)                106.805     106.805
## rho (h/b)                    0.535       0.535
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            339         342
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 57.139      57.139
## BW bias (b)                106.805     106.805
## rho (h/b)                    0.535       0.535
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.123     0.095     1.294     0.196    [-0.063 , 0.310]
##         Robust         -         -     1.284     0.199    [-0.076 , 0.366]
## ===============================================================================
## Point 327 of 336
## Minimum treated distance is  1.079634
## There are 47 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.715211
## There are 48 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            344         339
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 57.849      57.849
```

```
## BW bias (b)                107.865     107.865
## rho (h/b)                    0.536       0.536
## Unique Obs.                 2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            344         339
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 57.849      57.849
## BW bias (b)                107.865     107.865
## rho (h/b)                    0.536       0.536
## Unique Obs.                 2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.129     0.089     1.448     0.148    [-0.045 , 0.303]
##         Robust         -         -     1.422     0.155    [-0.056 , 0.355]
## ===============================================================================
## Point 328 of 336
## Minimum treated distance is  1.18062
## There are 41 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.785555
## There are 46 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            359         359
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 59.621      59.621
## BW bias (b)                108.005     108.005
## rho (h/b)                    0.552       0.552
## Unique Obs.                 2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
```

```
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             359         359
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  59.621      59.621
## BW bias (b)                 108.005     108.005
## rho (h/b)                     0.552       0.552
## Unique Obs.                    2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.143     0.088     1.628     0.103    [-0.029 , 0.315]
##         Robust         -         -     1.574     0.116    [-0.040 , 0.367]
## ===============================================================================
## Point 329 of 336
## Minimum treated distance is  1.842809
## There are 40 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.242427
## There are 47 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             356         349
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  59.363      59.363
## BW bias (b)                 107.701     107.701
## rho (h/b)                     0.551       0.551
## Unique Obs.                    2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                 2671        3522
## Eff. Number of Obs.             356         349
## Order est. (p)                    1           1
## Order bias  (q)                   2           2
## BW est. (h)                  59.363      59.363
## BW bias (b)                 107.701     107.701
## rho (h/b)                     0.551       0.551
## Unique Obs.                    2357        2951
##
```

```
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional     0.146     0.084     1.736     0.083    [-0.019 , 0.312]
##         Robust         -         -     1.669     0.095    [-0.029 , 0.361]
## ================================================================================
## Point 330 of 336
## Minimum treated distance is  1.367276
## There are 40 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.786893
## There are 48 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            353         342
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 58.802      58.802
## BW bias (b)                108.065     108.065
## rho (h/b)                    0.544       0.544
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            353         342
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 58.802      58.802
## BW bias (b)                108.065     108.065
## rho (h/b)                    0.544       0.544
## Unique Obs.                   2357        2951
##
## ================================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ================================================================================
##   Conventional     0.138     0.085     1.621     0.105    [-0.029 , 0.305]
##         Robust         -         -     1.565     0.118    [-0.040 , 0.354]
## ================================================================================
## Point 331 of 336
## Minimum treated distance is  1.879895
## There are 34 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.33054
```

```
## There are 43 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            400         370
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 63.418      63.418
## BW bias (b)                110.107     110.107
## rho (h/b)                    0.576       0.576
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            400         370
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 63.418      63.418
## BW bias (b)                110.107     110.107
## rho (h/b)                    0.576       0.576
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.158     0.084     1.880     0.060    [-0.007 , 0.322]
##         Robust         -         -     1.790     0.073    [-0.017 , 0.373]
## ===============================================================================
## Point 332 of 336
## Minimum treated distance is  0.473145
## There are 39 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  2.271692
## There are 46 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
```

```
## Eff. Number of Obs.            383         364
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 61.563      61.563
## BW bias (b)                107.477     107.477
## rho (h/b)                    0.573       0.573
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            383         364
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 61.563      61.563
## BW bias (b)                107.477     107.477
## rho (h/b)                    0.573       0.573
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.155     0.083     1.873     0.061    [-0.007 , 0.317]
##         Robust         -         -     1.780     0.075    [-0.018 , 0.366]
## ===============================================================================
## Point 333 of 336
## Minimum treated distance is  2.494113
## There are 34 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.316115
## There are 43 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            407         372
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 63.743      63.743
## BW bias (b)                110.420     110.420
## rho (h/b)                    0.577       0.577
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
```

```
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            407         372
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 63.743      63.743
## BW bias (b)                110.420     110.420
## rho (h/b)                    0.577       0.577
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.157     0.085     1.855     0.064    [-0.009 , 0.323]
##         Robust         -         -     1.763     0.078    [-0.020 , 0.374]
## ===============================================================================
## Point 334 of 336
## Minimum treated distance is  2.173328
## There are 34 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.26181
## There are 43 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            406         372
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 63.709      63.709
## BW bias (b)                110.431     110.431
## rho (h/b)                    0.577       0.577
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                     NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            406         372
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 63.709      63.709
```

```
## BW bias (b)                110.431     110.431
## rho (h/b)                    0.577       0.577
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.157     0.084     1.863     0.062    [-0.008 , 0.323]
##         Robust         -         -     1.775     0.076    [-0.019 , 0.375]
## ===============================================================================
## Point 335 of 336
## Minimum treated distance is  1.014865
## There are 38 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.867442
## There are 42 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            390         370
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 63.004      63.004
## BW bias (b)                109.625     109.625
## rho (h/b)                    0.575       0.575
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            390         370
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 63.004      63.004
## BW bias (b)                109.625     109.625
## rho (h/b)                    0.575       0.575
## Unique Obs.                   2357        2951
##
## ===============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ===============================================================================
##   Conventional     0.160     0.085     1.883     0.060    [-0.007 , 0.326]
##         Robust         -         -     1.800     0.072    [-0.016 , 0.378]
## ===============================================================================
```

```
## Point 336 of 336
## Minimum treated distance is  0.5086881
## There are 31 Tr observations with positive weights out of 3522 Tr obs
## Minimum control distance is  1.166111
## There are 43 Co observations with positive weights out of 2671 Co obs
## [1] "Mass points detected in the running variable."
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            378         339
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 62.059      62.059
## BW bias (b)                108.704     108.704
## rho (h/b)                    0.571       0.571
## Unique Obs.                   2357        2951
##
## Call: rdrobust
##
## Number of Obs.                 6193
## BW type                       mserd
## Kernel                   Triangular
## VCE method                       NN
##
## Number of Obs.                2671        3522
## Eff. Number of Obs.            378         339
## Order est. (p)                   1           1
## Order bias  (q)                  2           2
## BW est. (h)                 62.059      62.059
## BW bias (b)                108.704     108.704
## rho (h/b)                    0.571       0.571
## Unique Obs.                   2357        2951
##
## ============================================================================
##         Method     Coef. Std. Err.         z     P>|z|      [ 95% C.I. ]
## ============================================================================
##   Conventional     0.163     0.085     1.921     0.055    [-0.003 , 0.329]
##         Robust         -         -     1.830     0.067    [-0.013 , 0.380]
## ============================================================================
##
##
##
## -----------------------------------------------------
## Final results -- Outcome pucca_binary
##     Point Estimate Conv-CIl Conv-CIu hfix Ntr-hfix Nco-hfix Rob-CIl Rob-CIu
## 1       1     0.09    -0.20     0.37   20        9       34   -0.21    0.45
## 2       2     0.14    -0.01     0.29   20       10       37   -0.02    0.33
## 3       3     0.10    -0.03     0.24   20       14       39   -0.04    0.28
## 4       4     0.10    -0.04     0.24   20       14       48   -0.05    0.28
```

```
## 5       5     0.08    -0.06     0.22   20       20       49   -0.08    0.25
## 6       6     0.07    -0.06     0.20   20       21       50   -0.08    0.23
## 7       7     0.06    -0.08     0.19   20       21       49   -0.10    0.21
## 8       8     0.04    -0.09     0.17   20       26       51   -0.13    0.18
## 9       9     0.02    -0.11     0.16   20       28       48   -0.16    0.17
## 10     10     0.00    -0.15     0.14   20       28       58   -0.20    0.15
## 11     11    -0.03    -0.19     0.13   20       30       61   -0.24    0.14
## 12     12    -0.04    -0.21     0.13   20       34       59   -0.26    0.14
## 13     13    -0.12    -0.25     0.00   20       76       35   -0.29   -0.01
## 14     14    -0.11    -0.26     0.04   20       57       56   -0.31    0.03
## 15     15    -0.09    -0.25     0.06   20       57       58   -0.29    0.05
## 16     16    -0.07    -0.23     0.10   20       38       55   -0.28    0.10
## 17     17    -0.05    -0.22     0.11   20       38       58   -0.27    0.12
## 18     18    -0.05    -0.22     0.13   20       35       59   -0.27    0.13
## 19     19    -0.12    -0.23     0.00   20       63       45   -0.27   -0.02
## 20     20    -0.07    -0.22     0.08   20       54       60   -0.27    0.08
## 21     21    -0.03    -0.19     0.12   20       39       62   -0.23    0.13
## 22     22    -0.05    -0.19     0.10   20       47       62   -0.24    0.10
## 23     23    -0.03    -0.18     0.12   20       38       64   -0.23    0.13
## 24     24    -0.03    -0.17     0.11   20       43       66   -0.22    0.12
## 25     25    -0.06    -0.16     0.04   20       90       39   -0.20    0.03
## 26     26    -0.10    -0.21     0.02   20       83       35   -0.25    0.00
## 27     27    -0.07    -0.18     0.04   20       89       39   -0.22    0.02
## 28     28    -0.09    -0.20     0.02   20       80       38   -0.24    0.01
## 29     29    -0.06    -0.17     0.05   20       78       47   -0.22    0.04
## 30     30    -0.05    -0.16     0.06   20       81       40   -0.21    0.05
## 31     31    -0.04    -0.15     0.08   20       90       39   -0.19    0.07
## 32     32    -0.03    -0.14     0.09   20       86       42   -0.19    0.09
## 33     33    -0.01    -0.13     0.11   20       79       50   -0.18    0.11
## 34     34     0.00    -0.13     0.13   20       87       48   -0.17    0.13
## 35     35     0.01    -0.12     0.13   20       81       50   -0.16    0.14
## 36     36     0.02    -0.11     0.15   20       86       46   -0.15    0.16
## 37     37     0.03    -0.10     0.16   20       79       54   -0.14    0.17
## 38     38     0.03    -0.10     0.16   20       81       50   -0.14    0.18
## 39     39     0.02    -0.11     0.14   20       87       41   -0.15    0.15
## 40     40     0.04    -0.09     0.17   20       83       44   -0.12    0.19
## 41     41     0.06    -0.07     0.19   20       80       48   -0.10    0.22
## 42     42     0.07    -0.06     0.21   20       79       47   -0.09    0.24
## 43     43     0.09    -0.06     0.24   20       79       46   -0.09    0.28
## 44     44     0.11    -0.04     0.26   20       76       41   -0.06    0.31
## 45     45     0.11    -0.03     0.26   20       71       48   -0.05    0.31
## 46     46     0.14    -0.02     0.30   20       70       44   -0.03    0.36
## 47     47     0.11    -0.04     0.27   20       62       56   -0.06    0.31
## 48     48     0.13    -0.02     0.28   20       57       57   -0.04    0.33
## 49     49     0.14    -0.01     0.29   20       54       55   -0.03    0.34
## 50     50     0.15    -0.01     0.31   20       68       42   -0.03    0.37
## 51     51     0.14    -0.02     0.31   20       69       38   -0.04    0.36
## 52     52     0.15     0.00     0.30   20       53       58   -0.02    0.35
## 53     53     0.17     0.02     0.33   20       59       54    0.01    0.38
## 54     54     0.15    -0.01     0.30   20       66       44   -0.03    0.35
## 55     55     0.15     0.00     0.30   20       63       50   -0.01    0.35
## 56     56     0.15     0.00     0.30   20       59       53   -0.02    0.35
## 57     57     0.16     0.01     0.30   20       59       56   -0.01    0.35
## 58     58     0.15     0.01     0.29   20       64       51   -0.01    0.34
```

```
## 59     59     0.16     0.01     0.30   20       72       48   -0.01    0.35
## 60     60     0.16     0.01     0.31   20       75       47   -0.01    0.36
## 61     61     0.20     0.04     0.35   20       47       69    0.03    0.40
## 62     62     0.18     0.04     0.33   20       54       64    0.03    0.37
## 63     63     0.17     0.03     0.31   20       61       60    0.01    0.36
## 64     64     0.21     0.07     0.36   20       47       70    0.07    0.42
## 65     65     0.20     0.05     0.35   20       52       68    0.05    0.40
## 66     66     0.26     0.09     0.42   20       34       81    0.10    0.48
## 67     67     0.21     0.05     0.37   20       40       71    0.04    0.42
## 68     68     0.25     0.09     0.40   20       34       83    0.09    0.45
## 69     69     0.24     0.08     0.40   20       39       79    0.08    0.46
## 70     70     0.17     0.01     0.32   20       77       43   -0.01    0.37
## 71     71     0.17     0.02     0.31   20       69       53    0.00    0.36
## 72     72     0.21     0.05     0.36   20       53       63    0.05    0.42
## 73     73     0.22     0.08     0.37   20       45       70    0.08    0.42
## 74     74     0.21     0.06     0.36   20       49       65    0.06    0.41
## 75     75     0.18     0.05     0.32   20       45       71    0.04    0.36
## 76     76     0.16     0.03     0.29   20       51       69    0.02    0.34
## 77     77     0.17     0.03     0.31   20       63       65    0.02    0.35
## 78     78     0.17     0.02     0.33   20       69       61    0.01    0.38
## 79     79     0.17     0.02     0.32   20       79       52    0.02    0.37
## 80     80     0.16     0.03     0.30   20       80       55    0.02    0.34
## 81     81     0.16     0.03     0.30   20       82       60    0.02    0.34
## 82     82     0.16     0.01     0.31   20       93       47    0.00    0.35
## 83     83     0.16     0.03     0.30   20       83       57    0.03    0.34
## 84     84     0.16     0.02     0.30   20       92       51    0.02    0.35
## 85     85     0.17     0.04     0.29   20       86       55    0.03    0.34
## 86     86     0.16     0.03     0.29   20       84       61    0.02    0.34
## 87     87     0.15     0.03     0.26   20       81       63    0.02    0.31
## 88     88     0.14     0.04     0.25   20       83       63    0.03    0.29
## 89     89     0.15     0.04     0.26   20       80       66    0.03    0.30
## 90     90     0.15     0.03     0.28   20       80       70    0.02    0.32
## 91     91     0.15     0.02     0.28   20       76       71    0.01    0.32
## 92     92     0.14     0.01     0.28   20       69       74   -0.01    0.32
## 93     93     0.15     0.02     0.27   20       70       72    0.01    0.31
## 94     94     0.14     0.00     0.28   20       69       72   -0.02    0.32
## 95     95     0.13    -0.01     0.28   20       73       71   -0.03    0.32
## 96     96     0.12    -0.02     0.27   20       76       67   -0.05    0.30
## 97     97     0.11    -0.04     0.25   20       75       67   -0.08    0.28
## 98     98     0.09    -0.07     0.25   20       78       67   -0.11    0.26
## 99     99     0.08    -0.09     0.25   20       77       65   -0.14    0.26
## 100   100     0.03    -0.13     0.19   20       86       64   -0.18    0.19
## 101   101     0.03    -0.14     0.19   20       87       64   -0.18    0.19
## 102   102     0.05    -0.11     0.21   20       83       64   -0.16    0.21
## 103   103     0.02    -0.14     0.18   20       90       62   -0.19    0.18
## 104   104     0.01    -0.15     0.16   20      100       55   -0.20    0.16
## 105   105     0.00    -0.15     0.15   20      104       55   -0.20    0.15
## 106   106    -0.01    -0.16     0.14   20      107       52   -0.20    0.14
## 107   107     0.04    -0.08     0.17   20      111       49   -0.12    0.19
## 108   108     0.06    -0.05     0.17   20      114       46   -0.08    0.20
## 109   109     0.08    -0.04     0.19   20      114       46   -0.05    0.22
## 110   110     0.06    -0.05     0.18   20      115       46   -0.05    0.22
## 111   111     0.07    -0.06     0.19   20      103       47   -0.06    0.24
##  [ reached 'max' / getOption("max.print") -- omitted 225 rows ]
```

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## ------------------------------------------------------
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```
library(xtable)
xtable(finaltab)
```

```
## % latex table generated in R 4.0.3 by xtable 1.8-4 package
## % Fri Jun 16 15:00:10 2023
## \begin{table}[ht]
## \centering
## \begin{tabular}{rrrrrrrrrr}
##   \hline
##  & Point & Estimate & Conv-CIl & Conv-CIu & hfix & Ntr-hfix & Nco-hfix & Rob-CIl & Rob-CIu \\
##   \hline
## 1 &   1 & 0.09 & -0.20 & 0.37 & 20.00 &   9 &  34 & -0.21 & 0.45 \\
##   2 &   2 & 0.14 & -0.01 & 0.29 & 20.00 &  10 &  37 & -0.02 & 0.33 \\
##   3 &   3 & 0.10 & -0.03 & 0.24 & 20.00 &  14 &  39 & -0.04 & 0.28 \\
##   4 &   4 & 0.10 & -0.04 & 0.24 & 20.00 &  14 &  48 & -0.05 & 0.28 \\
##   5 &   5 & 0.08 & -0.06 & 0.22 & 20.00 &  20 &  49 & -0.08 & 0.25 \\
##   6 &   6 & 0.07 & -0.06 & 0.20 & 20.00 &  21 &  50 & -0.08 & 0.23 \\
##   7 &   7 & 0.06 & -0.08 & 0.19 & 20.00 &  21 &  49 & -0.10 & 0.21 \\
##   8 &   8 & 0.04 & -0.09 & 0.17 & 20.00 &  26 &  51 & -0.13 & 0.18 \\
##   9 &   9 & 0.02 & -0.11 & 0.16 & 20.00 &  28 &  48 & -0.16 & 0.17 \\
##   10 &  10 & -0.00 & -0.15 & 0.14 & 20.00 &  28 &  58 & -0.20 & 0.15 \\
##   11 &  11 & -0.03 & -0.19 & 0.13 & 20.00 &  30 &  61 & -0.24 & 0.14 \\
##   12 &  12 & -0.04 & -0.21 & 0.13 & 20.00 &  34 &  59 & -0.26 & 0.14 \\
##   13 &  13 & -0.12 & -0.25 & 0.00 & 20.00 &  76 &  35 & -0.29 & -0.01 \\
##   14 &  14 & -0.11 & -0.26 & 0.04 & 20.00 &  57 &  56 & -0.31 & 0.03 \\
##   15 &  15 & -0.09 & -0.25 & 0.06 & 20.00 &  57 &  58 & -0.29 & 0.05 \\
##   16 &  16 & -0.07 & -0.23 & 0.10 & 20.00 &  38 &  55 & -0.28 & 0.10 \\
##   17 &  17 & -0.05 & -0.22 & 0.11 & 20.00 &  38 &  58 & -0.27 & 0.12 \\
##   18 &  18 & -0.05 & -0.22 & 0.13 & 20.00 &  35 &  59 & -0.27 & 0.13 \\
##   19 &  19 & -0.12 & -0.23 & -0.00 & 20.00 &  63 &  45 & -0.27 & -0.02 \\
##   20 &  20 & -0.07 & -0.22 & 0.08 & 20.00 &  54 &  60 & -0.27 & 0.08 \\
##   21 &  21 & -0.03 & -0.19 & 0.12 & 20.00 &  39 &  62 & -0.23 & 0.13 \\
##   22 &  22 & -0.05 & -0.19 & 0.10 & 20.00 &  47 &  62 & -0.24 & 0.10 \\
##   23 &  23 & -0.03 & -0.18 & 0.12 & 20.00 &  38 &  64 & -0.23 & 0.13 \\
##   24 &  24 & -0.03 & -0.17 & 0.11 & 20.00 &  43 &  66 & -0.22 & 0.12 \\
##   25 &  25 & -0.06 & -0.16 & 0.04 & 20.00 &  90 &  39 & -0.20 & 0.03 \\
##   26 &  26 & -0.10 & -0.21 & 0.02 & 20.00 &  83 &  35 & -0.25 & 0.00 \\
##   27 &  27 & -0.07 & -0.18 & 0.04 & 20.00 &  89 &  39 & -0.22 & 0.02 \\
##   28 &  28 & -0.09 & -0.20 & 0.02 & 20.00 &  80 &  38 & -0.24 & 0.01 \\
##   29 &  29 & -0.06 & -0.17 & 0.05 & 20.00 &  78 &  47 & -0.22 & 0.04 \\
##   30 &  30 & -0.05 & -0.16 & 0.06 & 20.00 &  81 &  40 & -0.21 & 0.05 \\
##   31 &  31 & -0.04 & -0.15 & 0.08 & 20.00 &  90 &  39 & -0.19 & 0.07 \\
##   32 &  32 & -0.03 & -0.14 & 0.09 & 20.00 &  86 &  42 & -0.19 & 0.09 \\
##   33 &  33 & -0.01 & -0.13 & 0.11 & 20.00 &  79 &  50 & -0.18 & 0.11 \\
##   34 &  34 & -0.00 & -0.13 & 0.13 & 20.00 &  87 &  48 & -0.17 & 0.13 \\
##   35 &  35 & 0.01 & -0.12 & 0.13 & 20.00 &  81 &  50 & -0.16 & 0.14 \\
##   36 &  36 & 0.02 & -0.11 & 0.15 & 20.00 &  86 &  46 & -0.15 & 0.16 \\
##   37 &  37 & 0.03 & -0.10 & 0.16 & 20.00 &  79 &  54 & -0.14 & 0.17 \\
##   38 &  38 & 0.03 & -0.10 & 0.16 & 20.00 &  81 &  50 & -0.14 & 0.18 \\
##   39 &  39 & 0.02 & -0.11 & 0.14 & 20.00 &  87 &  41 & -0.15 & 0.15 \\
##   40 &  40 & 0.04 & -0.09 & 0.17 & 20.00 &  83 &  44 & -0.12 & 0.19 \\
##   41 &  41 & 0.06 & -0.07 & 0.19 & 20.00 &  80 &  48 & -0.10 & 0.22 \\
##   42 &  42 & 0.07 & -0.06 & 0.21 & 20.00 &  79 &  47 & -0.09 & 0.24 \\
```

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##   43 &  43 & 0.09 & -0.06 & 0.24 & 20.00 &  79 &  46 & -0.09 & 0.28 \\
##   44 &  44 & 0.11 & -0.04 & 0.26 & 20.00 &  76 &  41 & -0.06 & 0.31 \\
##   45 &  45 & 0.11 & -0.03 & 0.26 & 20.00 &  71 &  48 & -0.05 & 0.31 \\
##   46 &  46 & 0.14 & -0.02 & 0.30 & 20.00 &  70 &  44 & -0.03 & 0.36 \\
##   47 &  47 & 0.11 & -0.04 & 0.27 & 20.00 &  62 &  56 & -0.06 & 0.31 \\
##   48 &  48 & 0.13 & -0.02 & 0.28 & 20.00 &  57 &  57 & -0.04 & 0.33 \\
##   49 &  49 & 0.14 & -0.01 & 0.29 & 20.00 &  54 &  55 & -0.03 & 0.34 \\
##   50 &  50 & 0.15 & -0.01 & 0.31 & 20.00 &  68 &  42 & -0.03 & 0.37 \\
##   51 &  51 & 0.14 & -0.02 & 0.31 & 20.00 &  69 &  38 & -0.04 & 0.36 \\
##   52 &  52 & 0.15 & -0.00 & 0.30 & 20.00 &  53 &  58 & -0.02 & 0.35 \\
##   53 &  53 & 0.17 & 0.02 & 0.33 & 20.00 &  59 &  54 & 0.01 & 0.38 \\
##   54 &  54 & 0.15 & -0.01 & 0.30 & 20.00 &  66 &  44 & -0.03 & 0.35 \\
##   55 &  55 & 0.15 & 0.00 & 0.30 & 20.00 &  63 &  50 & -0.01 & 0.35 \\
##   56 &  56 & 0.15 & -0.00 & 0.30 & 20.00 &  59 &  53 & -0.02 & 0.35 \\
##   57 &  57 & 0.16 & 0.01 & 0.30 & 20.00 &  59 &  56 & -0.01 & 0.35 \\
##   58 &  58 & 0.15 & 0.01 & 0.29 & 20.00 &  64 &  51 & -0.01 & 0.34 \\
##   59 &  59 & 0.16 & 0.01 & 0.30 & 20.00 &  72 &  48 & -0.01 & 0.35 \\
##   60 &  60 & 0.16 & 0.01 & 0.31 & 20.00 &  75 &  47 & -0.01 & 0.36 \\
##   61 &  61 & 0.20 & 0.04 & 0.35 & 20.00 &  47 &  69 & 0.03 & 0.40 \\
##   62 &  62 & 0.18 & 0.04 & 0.33 & 20.00 &  54 &  64 & 0.03 & 0.37 \\
##   63 &  63 & 0.17 & 0.03 & 0.31 & 20.00 &  61 &  60 & 0.01 & 0.36 \\
##   64 &  64 & 0.21 & 0.07 & 0.36 & 20.00 &  47 &  70 & 0.07 & 0.42 \\
##   65 &  65 & 0.20 & 0.05 & 0.35 & 20.00 &  52 &  68 & 0.05 & 0.40 \\
##   66 &  66 & 0.26 & 0.09 & 0.42 & 20.00 &  34 &  81 & 0.10 & 0.48 \\
##   67 &  67 & 0.21 & 0.05 & 0.37 & 20.00 &  40 &  71 & 0.04 & 0.42 \\
##   68 &  68 & 0.25 & 0.09 & 0.40 & 20.00 &  34 &  83 & 0.09 & 0.45 \\
##   69 &  69 & 0.24 & 0.08 & 0.40 & 20.00 &  39 &  79 & 0.08 & 0.46 \\
##   70 &  70 & 0.17 & 0.01 & 0.32 & 20.00 &  77 &  43 & -0.01 & 0.37 \\
##   71 &  71 & 0.17 & 0.02 & 0.31 & 20.00 &  69 &  53 & 0.00 & 0.36 \\
##   72 &  72 & 0.21 & 0.05 & 0.36 & 20.00 &  53 &  63 & 0.05 & 0.42 \\
##   73 &  73 & 0.22 & 0.08 & 0.37 & 20.00 &  45 &  70 & 0.08 & 0.42 \\
##   74 &  74 & 0.21 & 0.06 & 0.36 & 20.00 &  49 &  65 & 0.06 & 0.41 \\
##   75 &  75 & 0.18 & 0.05 & 0.32 & 20.00 &  45 &  71 & 0.04 & 0.36 \\
##   76 &  76 & 0.16 & 0.03 & 0.29 & 20.00 &  51 &  69 & 0.02 & 0.34 \\
##   77 &  77 & 0.17 & 0.03 & 0.31 & 20.00 &  63 &  65 & 0.02 & 0.35 \\
##   78 &  78 & 0.17 & 0.02 & 0.33 & 20.00 &  69 &  61 & 0.01 & 0.38 \\
##   79 &  79 & 0.17 & 0.02 & 0.32 & 20.00 &  79 &  52 & 0.02 & 0.37 \\
##   80 &  80 & 0.16 & 0.03 & 0.30 & 20.00 &  80 &  55 & 0.02 & 0.34 \\
##   81 &  81 & 0.16 & 0.03 & 0.30 & 20.00 &  82 &  60 & 0.02 & 0.34 \\
##   82 &  82 & 0.16 & 0.01 & 0.31 & 20.00 &  93 &  47 & 0.00 & 0.35 \\
##   83 &  83 & 0.16 & 0.03 & 0.30 & 20.00 &  83 &  57 & 0.03 & 0.34 \\
##   84 &  84 & 0.16 & 0.02 & 0.30 & 20.00 &  92 &  51 & 0.02 & 0.35 \\
##   85 &  85 & 0.17 & 0.04 & 0.29 & 20.00 &  86 &  55 & 0.03 & 0.34 \\
##   86 &  86 & 0.16 & 0.03 & 0.29 & 20.00 &  84 &  61 & 0.02 & 0.34 \\
##   87 &  87 & 0.15 & 0.03 & 0.26 & 20.00 &  81 &  63 & 0.02 & 0.31 \\
##   88 &  88 & 0.14 & 0.04 & 0.25 & 20.00 &  83 &  63 & 0.03 & 0.29 \\
##   89 &  89 & 0.15 & 0.04 & 0.26 & 20.00 &  80 &  66 & 0.03 & 0.30 \\
##   90 &  90 & 0.15 & 0.03 & 0.28 & 20.00 &  80 &  70 & 0.02 & 0.32 \\
##   91 &  91 & 0.15 & 0.02 & 0.28 & 20.00 &  76 &  71 & 0.01 & 0.32 \\
##   92 &  92 & 0.14 & 0.01 & 0.28 & 20.00 &  69 &  74 & -0.01 & 0.32 \\
##   93 &  93 & 0.15 & 0.02 & 0.27 & 20.00 &  70 &  72 & 0.01 & 0.31 \\
##   94 &  94 & 0.14 & 0.00 & 0.28 & 20.00 &  69 &  72 & -0.02 & 0.32 \\
##   95 &  95 & 0.13 & -0.01 & 0.28 & 20.00 &  73 &  71 & -0.03 & 0.32 \\
##   96 &  96 & 0.12 & -0.02 & 0.27 & 20.00 &  76 &  67 & -0.05 & 0.30 \\
```

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##   97 &  97 & 0.11 & -0.04 & 0.25 & 20.00 &  75 &  67 & -0.08 & 0.28 \\
##   98 &  98 & 0.09 & -0.07 & 0.25 & 20.00 &  78 &  67 & -0.11 & 0.26 \\
##   99 &  99 & 0.08 & -0.09 & 0.25 & 20.00 &  77 &  65 & -0.14 & 0.26 \\
##   100 & 100 & 0.03 & -0.13 & 0.19 & 20.00 &  86 &  64 & -0.18 & 0.19 \\
##   101 & 101 & 0.03 & -0.14 & 0.19 & 20.00 &  87 &  64 & -0.18 & 0.19 \\
##   102 & 102 & 0.05 & -0.11 & 0.21 & 20.00 &  83 &  64 & -0.16 & 0.21 \\
##   103 & 103 & 0.02 & -0.14 & 0.18 & 20.00 &  90 &  62 & -0.19 & 0.18 \\
##   104 & 104 & 0.01 & -0.15 & 0.16 & 20.00 & 100 &  55 & -0.20 & 0.16 \\
##   105 & 105 & -0.00 & -0.15 & 0.15 & 20.00 & 104 &  55 & -0.20 & 0.15 \\
##   106 & 106 & -0.01 & -0.16 & 0.14 & 20.00 & 107 &  52 & -0.20 & 0.14 \\
##   107 & 107 & 0.04 & -0.08 & 0.17 & 20.00 & 111 &  49 & -0.12 & 0.19 \\
##   108 & 108 & 0.06 & -0.05 & 0.17 & 20.00 & 114 &  46 & -0.08 & 0.20 \\
##   109 & 109 & 0.08 & -0.04 & 0.19 & 20.00 & 114 &  46 & -0.05 & 0.22 \\
##   110 & 110 & 0.06 & -0.05 & 0.18 & 20.00 & 115 &  46 & -0.05 & 0.22 \\
##   111 & 111 & 0.07 & -0.06 & 0.19 & 20.00 & 103 &  47 & -0.06 & 0.24 \\
##   112 & 112 & 0.08 & -0.05 & 0.21 & 20.00 &  94 &  60 & -0.05 & 0.25 \\
##   113 & 113 & 0.10 & -0.03 & 0.23 & 20.00 &  79 &  78 & -0.03 & 0.27 \\
##   114 & 114 & 0.12 & -0.01 & 0.25 & 20.00 &  60 &  89 & -0.01 & 0.29 \\
##   115 & 115 & 0.14 & 0.02 & 0.27 & 20.00 &  57 &  92 & 0.01 & 0.30 \\
##   116 & 116 & 0.16 & 0.04 & 0.28 & 20.00 &  55 &  93 & 0.03 & 0.32 \\
##   117 & 117 & 0.17 & 0.04 & 0.30 & 20.00 &  44 &  92 & 0.03 & 0.33 \\
##   118 & 118 & 0.17 & 0.05 & 0.30 & 20.00 &  43 &  91 & 0.04 & 0.33 \\
##   119 & 119 & 0.18 & 0.06 & 0.31 & 20.00 &  50 &  94 & 0.05 & 0.34 \\
##   120 & 120 & 0.19 & 0.06 & 0.32 & 20.00 &  55 &  89 & 0.06 & 0.37 \\
##   121 & 121 & 0.21 & 0.09 & 0.33 & 20.00 &  53 &  96 & 0.09 & 0.37 \\
##   122 & 122 & 0.23 & 0.10 & 0.36 & 20.00 &  58 &  96 & 0.11 & 0.40 \\
##   123 & 123 & 0.24 & 0.11 & 0.37 & 20.00 &  68 &  94 & 0.12 & 0.41 \\
##   124 & 124 & 0.25 & 0.12 & 0.38 & 20.00 &  73 &  91 & 0.13 & 0.43 \\
##   125 & 125 & 0.26 & 0.12 & 0.41 & 20.00 &  77 &  90 & 0.13 & 0.46 \\
##   126 & 126 & 0.27 & 0.11 & 0.43 & 20.00 &  79 &  90 & 0.13 & 0.49 \\
##   127 & 127 & 0.26 & 0.10 & 0.43 & 20.00 &  87 &  85 & 0.11 & 0.48 \\
##   128 & 128 & 0.28 & 0.07 & 0.49 & 20.00 & 104 &  70 & 0.08 & 0.55 \\
##   129 & 129 & 0.27 & 0.09 & 0.45 & 20.00 &  91 &  79 & 0.11 & 0.50 \\
##   130 & 130 & 0.27 & 0.08 & 0.47 & 20.00 &  98 &  76 & 0.10 & 0.52 \\
##   131 & 131 & 0.29 & 0.08 & 0.49 & 20.00 & 106 &  70 & 0.10 & 0.56 \\
##   132 & 132 & 0.31 & 0.10 & 0.51 & 20.00 & 111 &  69 & 0.12 & 0.57 \\
##   133 & 133 & 0.32 & 0.10 & 0.55 & 20.00 & 115 &  62 & 0.12 & 0.61 \\
##   134 & 134 & 0.36 & 0.14 & 0.57 & 20.00 & 117 &  60 & 0.16 & 0.63 \\
##   135 & 135 & 0.34 & 0.12 & 0.57 & 20.00 & 120 &  59 & 0.14 & 0.63 \\
##   136 & 136 & 0.30 & 0.07 & 0.54 & 20.00 & 115 &  62 & 0.09 & 0.60 \\
##   137 & 137 & 0.26 & 0.03 & 0.49 & 20.00 & 109 &  68 & 0.06 & 0.56 \\
##   138 & 138 & 0.22 & 0.02 & 0.42 & 20.00 &  98 &  88 & 0.03 & 0.48 \\
##   139 & 139 & 0.24 & 0.03 & 0.45 & 20.00 & 103 &  80 & 0.05 & 0.51 \\
##   140 & 140 & 0.22 & 0.02 & 0.43 & 20.00 & 100 &  87 & 0.04 & 0.49 \\
##   141 & 141 & 0.21 & 0.00 & 0.41 & 20.00 &  90 &  92 & 0.02 & 0.47 \\
##   142 & 142 & 0.19 & -0.01 & 0.40 & 20.00 &  91 &  93 & 0.00 & 0.46 \\
##   143 & 143 & 0.18 & -0.02 & 0.37 & 20.00 &  89 &  94 & -0.00 & 0.43 \\
##   144 & 144 & 0.15 & -0.03 & 0.34 & 20.00 &  62 & 121 & -0.02 & 0.40 \\
##   145 & 145 & 0.10 & -0.06 & 0.25 & 20.00 &  59 & 115 & -0.05 & 0.30 \\
##   146 & 146 & 0.06 & -0.10 & 0.22 & 20.00 &  63 & 110 & -0.10 & 0.28 \\
##   147 & 147 & 0.15 & -0.03 & 0.34 & 20.00 &  64 & 122 & -0.02 & 0.40 \\
##   148 & 148 & 0.15 & -0.03 & 0.34 & 20.00 &  65 & 112 & -0.02 & 0.39 \\
##   149 & 149 & 0.15 & -0.03 & 0.33 & 20.00 &  71 & 110 & -0.02 & 0.39 \\
##   150 & 150 & 0.06 & -0.10 & 0.22 & 20.00 &  63 & 109 & -0.10 & 0.27 \\
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##   151 & 151 & 0.14 & -0.03 & 0.32 & 20.00 &  73 & 109 & -0.02 & 0.38 \\
##   152 & 152 & 0.14 & -0.04 & 0.31 & 20.00 &  74 & 102 & -0.03 & 0.37 \\
##   153 & 153 & 0.04 & -0.13 & 0.21 & 20.00 &  65 & 111 & -0.13 & 0.26 \\
##   154 & 154 & 0.03 & -0.14 & 0.19 & 20.00 &  67 & 104 & -0.14 & 0.24 \\
##   155 & 155 & 0.03 & -0.14 & 0.19 & 20.00 &  67 & 102 & -0.14 & 0.24 \\
##   156 & 156 & 0.15 & -0.03 & 0.33 & 20.00 &  81 &  98 & -0.02 & 0.39 \\
##   157 & 157 & 0.00 & -0.15 & 0.16 & 20.00 &  66 & 101 & -0.16 & 0.21 \\
##   158 & 158 & 0.02 & -0.15 & 0.18 & 20.00 &  72 &  96 & -0.15 & 0.23 \\
##   159 & 159 & 0.14 & -0.03 & 0.31 & 20.00 &  75 & 101 & -0.02 & 0.37 \\
##   160 & 160 & 0.03 & -0.14 & 0.20 & 20.00 &  75 &  95 & -0.14 & 0.26 \\
##   161 & 161 & 0.03 & -0.15 & 0.22 & 20.00 &  99 &  78 & -0.15 & 0.27 \\
##   162 & 162 & 0.06 & -0.14 & 0.27 & 20.00 & 114 &  65 & -0.14 & 0.33 \\
##   163 & 163 & 0.03 & -0.17 & 0.23 & 20.00 & 111 &  65 & -0.17 & 0.30 \\
##   164 & 164 & -0.04 & -0.19 & 0.11 & 20.00 &  72 & 100 & -0.20 & 0.15 \\
##   165 & 165 & -0.01 & -0.17 & 0.14 & 20.00 &  79 &  91 & -0.17 & 0.19 \\
##   166 & 166 & -0.04 & -0.20 & 0.11 & 20.00 &  81 &  89 & -0.20 & 0.16 \\
##   167 & 167 & 0.00 & -0.17 & 0.17 & 20.00 & 104 &  76 & -0.17 & 0.23 \\
##   168 & 168 & -0.04 & -0.20 & 0.12 & 20.00 & 101 &  78 & -0.20 & 0.18 \\
##   169 & 169 & -0.06 & -0.21 & 0.09 & 20.00 & 108 &  74 & -0.22 & 0.14 \\
##   170 & 170 & -0.15 & -0.28 & -0.02 & 20.00 & 122 &  67 & -0.30 & 0.02 \\
##   171 & 171 & -0.09 & -0.23 & 0.05 & 20.00 & 109 &  74 & -0.25 & 0.09 \\
##   172 & 172 & -0.13 & -0.25 & -0.00 & 20.00 & 112 &  71 & -0.27 & 0.03 \\
##   173 & 173 & -0.17 & -0.30 & -0.04 & 20.00 & 122 &  58 & -0.32 & 0.00 \\
##   174 & 174 & -0.25 & -0.40 & -0.10 & 20.00 &  44 & 124 & -0.45 & -0.09 \\
##   175 & 175 & -0.25 & -0.39 & -0.11 & 20.00 &  42 & 128 & -0.44 & -0.10 \\
##   176 & 176 & -0.26 & -0.40 & -0.11 & 20.00 &  46 & 127 & -0.45 & -0.10 \\
##   177 & 177 & -0.26 & -0.44 & -0.08 & 20.00 &  51 & 118 & -0.50 & -0.07 \\
##   178 & 178 & -0.27 & -0.45 & -0.09 & 20.00 &  61 & 112 & -0.51 & -0.09 \\
##   179 & 179 & -0.28 & -0.47 & -0.09 & 20.00 &  71 & 100 & -0.53 & -0.10 \\
##   180 & 180 & -0.29 & -0.45 & -0.12 & 20.00 &  88 &  93 & -0.51 & -0.13 \\
##   181 & 181 & -0.28 & -0.45 & -0.11 & 20.00 & 101 &  85 & -0.50 & -0.12 \\
##   182 & 182 & -0.28 & -0.43 & -0.14 & 20.00 &  47 & 137 & -0.48 & -0.14 \\
##   183 & 183 & -0.28 & -0.43 & -0.13 & 20.00 &  50 & 135 & -0.48 & -0.13 \\
##   184 & 184 & -0.28 & -0.44 & -0.12 & 20.00 &  46 & 134 & -0.49 & -0.12 \\
##   185 & 185 & -0.28 & -0.43 & -0.13 & 20.00 &  48 & 133 & -0.48 & -0.13 \\
##   186 & 186 & -0.28 & -0.43 & -0.14 & 20.00 &  54 & 131 & -0.48 & -0.14 \\
##   187 & 187 & -0.18 & -0.31 & -0.05 & 20.00 & 110 &  64 & -0.33 & -0.01 \\
##   188 & 188 & -0.22 & -0.35 & -0.10 & 20.00 & 117 &  55 & -0.38 & -0.08 \\
##   189 & 189 & -0.36 & -0.49 & -0.22 & 20.00 & 121 &  45 & -0.53 & -0.22 \\
##   190 & 190 & -0.39 & -0.53 & -0.25 & 20.00 & 127 &  37 & -0.57 & -0.25 \\
##   191 & 191 & -0.30 & -0.44 & -0.15 & 20.00 &  66 & 120 & -0.50 & -0.16 \\
##   192 & 192 & -0.27 & -0.41 & -0.13 & 20.00 &  67 & 118 & -0.47 & -0.14 \\
##   193 & 193 & -0.27 & -0.41 & -0.13 & 20.00 &  72 & 118 & -0.46 & -0.14 \\
##   194 & 194 & -0.30 & -0.45 & -0.16 & 20.00 &  81 & 103 & -0.50 & -0.17 \\
##   195 & 195 & -0.31 & -0.45 & -0.16 & 20.00 &  92 & 103 & -0.50 & -0.17 \\
##   196 & 196 & -0.37 & -0.52 & -0.21 & 20.00 & 124 &  34 & -0.56 & -0.20 \\
##   197 & 197 & -0.24 & -0.36 & -0.12 & 20.00 &  99 &  61 & -0.40 & -0.11 \\
##   198 & 198 & -0.21 & -0.35 & -0.07 & 20.00 &  91 &  71 & -0.40 & -0.05 \\
##   199 & 199 & -0.22 & -0.35 & -0.09 & 20.00 &  92 &  67 & -0.40 & -0.08 \\
##   200 & 200 & -0.21 & -0.33 & -0.10 & 20.00 &  96 &  72 & -0.37 & -0.08 \\
##   201 & 201 & -0.21 & -0.35 & -0.08 & 20.00 &  95 &  70 & -0.39 & -0.06 \\
##   202 & 202 & -0.22 & -0.33 & -0.10 & 20.00 &  97 &  71 & -0.37 & -0.09 \\
##   203 & 203 & -0.28 & -0.44 & -0.12 & 20.00 & 106 &  76 & -0.49 & -0.13 \\
##   204 & 204 & -0.27 & -0.41 & -0.13 & 20.00 &  95 &  99 & -0.46 & -0.15 \\
```

```
##   205 & 205 & -0.27 & -0.40 & -0.15 & 20.00 & 100 & 100 & -0.44 & -0.16 \\
##   206 & 206 & -0.28 & -0.43 & -0.12 & 20.00 &  64 & 117 & -0.48 & -0.13 \\
##   207 & 207 & -0.28 & -0.43 & -0.12 & 20.00 &  60 & 114 & -0.49 & -0.13 \\
##   208 & 208 & -0.27 & -0.43 & -0.11 & 20.00 &  59 & 115 & -0.48 & -0.12 \\
##   209 & 209 & -0.28 & -0.43 & -0.13 & 20.00 &  67 & 114 & -0.49 & -0.14 \\
##   210 & 210 & -0.27 & -0.42 & -0.13 & 20.00 &  80 & 109 & -0.46 & -0.15 \\
##   211 & 211 & -0.27 & -0.42 & -0.12 & 20.00 &  74 & 111 & -0.48 & -0.14 \\
##   212 & 212 & -0.28 & -0.43 & -0.13 & 20.00 &  68 & 114 & -0.48 & -0.15 \\
##   213 & 213 & -0.25 & -0.41 & -0.09 & 20.00 &  55 & 116 & -0.46 & -0.09 \\
##   214 & 214 & -0.22 & -0.37 & -0.08 & 20.00 &  44 & 128 & -0.41 & -0.08 \\
##   215 & 215 & -0.24 & -0.40 & -0.08 & 20.00 &  51 & 125 & -0.45 & -0.07 \\
##   216 & 216 & -0.36 & -0.53 & -0.19 & 20.00 & 124 &  37 & -0.58 & -0.19 \\
##   217 & 217 & -0.34 & -0.51 & -0.18 & 20.00 & 116 &  40 & -0.55 & -0.17 \\
##   218 & 218 & -0.32 & -0.49 & -0.16 & 20.00 & 119 &  38 & -0.53 & -0.16 \\
##   219 & 219 & -0.28 & -0.42 & -0.13 & 20.00 & 112 &  41 & -0.45 & -0.14 \\
##   220 & 220 & -0.26 & -0.39 & -0.13 & 20.00 & 102 &  54 & -0.43 & -0.12 \\
##   221 & 221 & -0.27 & -0.40 & -0.14 & 20.00 & 110 &  51 & -0.44 & -0.13 \\
##   222 & 222 & -0.23 & -0.36 & -0.10 & 20.00 & 109 &  60 & -0.40 & -0.09 \\
##   223 & 223 & -0.23 & -0.35 & -0.10 & 20.00 &  97 &  67 & -0.39 & -0.09 \\
##   224 & 224 & -0.23 & -0.36 & -0.10 & 20.00 & 103 &  62 & -0.40 & -0.09 \\
##   225 & 225 & -0.23 & -0.39 & -0.06 & 20.00 &  34 & 129 & -0.45 & -0.05 \\
##   226 & 226 & -0.22 & -0.41 & -0.03 & 20.00 &  34 & 127 & -0.47 & -0.02 \\
##   227 & 227 & -0.22 & -0.37 & -0.07 & 20.00 &  40 & 127 & -0.41 & -0.07 \\
##   228 & 228 & -0.24 & -0.41 & -0.06 & 20.00 &  40 & 130 & -0.46 & -0.04 \\
##   229 & 229 & -0.25 & -0.40 & -0.11 & 20.00 &  85 & 105 & -0.44 & -0.13 \\
##   230 & 230 & -0.24 & -0.38 & -0.09 & 20.00 &  91 & 100 & -0.43 & -0.10 \\
##   231 & 231 & -0.26 & -0.41 & -0.12 & 20.00 & 118 &  42 & -0.45 & -0.12 \\
##   232 & 232 & -0.27 & -0.41 & -0.12 & 20.00 & 108 &  73 & -0.46 & -0.13 \\
##   233 & 233 & -0.24 & -0.39 & -0.08 & 20.00 &  55 & 118 & -0.44 & -0.06 \\
##   234 & 234 & -0.23 & -0.37 & -0.08 & 20.00 &  58 & 112 & -0.41 & -0.05 \\
##   235 & 235 & -0.25 & -0.40 & -0.11 & 20.00 & 117 &  40 & -0.44 & -0.11 \\
##   236 & 236 & -0.26 & -0.39 & -0.13 & 20.00 & 110 &  70 & -0.43 & -0.14 \\
##   237 & 237 & -0.27 & -0.40 & -0.13 & 20.00 & 105 &  72 & -0.44 & -0.14 \\
##   238 & 238 & -0.23 & -0.37 & -0.08 & 20.00 &  61 & 112 & -0.40 & -0.06 \\
##   239 & 239 & -0.26 & -0.38 & -0.14 & 20.00 & 105 &  95 & -0.42 & -0.15 \\
##   240 & 240 & -0.23 & -0.38 & -0.08 & 20.00 &  91 &  96 & -0.42 & -0.08 \\
##   241 & 241 & -0.23 & -0.36 & -0.11 & 20.00 & 111 &  60 & -0.40 & -0.11 \\
##   242 & 242 & -0.23 & -0.36 & -0.11 & 20.00 & 112 &  63 & -0.40 & -0.11 \\
##   243 & 243 & -0.25 & -0.38 & -0.12 & 20.00 & 112 &  68 & -0.42 & -0.12 \\
##   244 & 244 & -0.24 & -0.37 & -0.11 & 20.00 & 113 &  65 & -0.41 & -0.11 \\
##   245 & 245 & -0.23 & -0.36 & -0.10 & 20.00 & 115 &  64 & -0.40 & -0.11 \\
##   246 & 246 & -0.23 & -0.38 & -0.07 & 20.00 &  61 & 112 & -0.42 & -0.04 \\
##   247 & 247 & -0.23 & -0.37 & -0.08 & 20.00 &  91 &  95 & -0.42 & -0.08 \\
##   248 & 248 & -0.22 & -0.37 & -0.08 & 20.00 &  91 &  95 & -0.41 & -0.08 \\
##   249 & 249 & -0.22 & -0.36 & -0.08 & 20.00 &  94 &  91 & -0.41 & -0.07 \\
##   250 & 250 & -0.21 & -0.35 & -0.06 & 20.00 & 107 &  85 & -0.39 & -0.08 \\
##   251 & 251 & -0.21 & -0.34 & -0.08 & 20.00 & 106 &  83 & -0.38 & -0.07 \\
##   252 & 252 & -0.21 & -0.35 & -0.07 & 20.00 & 102 &  84 & -0.39 & -0.06 \\
##   253 & 253 & -0.22 & -0.37 & -0.07 & 20.00 &  62 & 107 & -0.40 & -0.05 \\
##   254 & 254 & -0.21 & -0.37 & -0.06 & 20.00 &  61 & 103 & -0.40 & -0.03 \\
##   255 & 255 & -0.21 & -0.37 & -0.06 & 20.00 &  65 & 102 & -0.40 & -0.02 \\
##   256 & 256 & -0.20 & -0.33 & -0.08 & 20.00 & 107 &  82 & -0.37 & -0.07 \\
##   257 & 257 & -0.21 & -0.36 & -0.06 & 20.00 &  70 &  96 & -0.39 & -0.02 \\
##   258 & 258 & -0.21 & -0.37 & -0.04 & 20.00 &  73 &  94 & -0.39 & -0.00 \\
```

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##   259 & 259 & -0.20 & -0.37 & -0.04 & 20.00 &  74 &  92 & -0.39 & 0.01 \\
##   260 & 260 & -0.20 & -0.36 & -0.04 & 20.00 &  79 &  88 & -0.38 & 0.00 \\
##   261 & 261 & -0.20 & -0.37 & -0.03 & 20.00 &  89 &  79 & -0.38 & 0.02 \\
##   262 & 262 & -0.18 & -0.35 & -0.01 & 20.00 & 100 &  65 & -0.37 & 0.04 \\
##   263 & 263 & -0.17 & -0.34 & 0.00 & 20.00 & 120 &  57 & -0.34 & 0.05 \\
##   264 & 264 & -0.16 & -0.32 & 0.00 & 20.00 & 128 &  51 & -0.32 & 0.05 \\
##   265 & 265 & -0.15 & -0.31 & 0.01 & 20.00 & 130 &  47 & -0.31 & 0.06 \\
##   266 & 266 & -0.15 & -0.32 & 0.02 & 20.00 & 128 &  46 & -0.32 & 0.07 \\
##   267 & 267 & -0.15 & -0.31 & 0.02 & 20.00 & 131 &  47 & -0.31 & 0.07 \\
##   268 & 268 & -0.17 & -0.35 & 0.01 & 20.00 & 108 &  59 & -0.36 & 0.06 \\
##   269 & 269 & -0.16 & -0.35 & 0.03 & 20.00 & 114 &  55 & -0.36 & 0.08 \\
##   270 & 270 & -0.16 & -0.34 & 0.02 & 20.00 & 111 &  56 & -0.35 & 0.07 \\
##   271 & 271 & -0.15 & -0.30 & 0.01 & 20.00 & 133 &  44 & -0.30 & 0.06 \\
##   272 & 272 & -0.14 & -0.30 & 0.02 & 20.00 & 135 &  43 & -0.29 & 0.06 \\
##   273 & 273 & -0.13 & -0.29 & 0.02 & 20.00 & 139 &  41 & -0.28 & 0.07 \\
##   274 & 274 & -0.13 & -0.28 & 0.02 & 20.00 & 139 &  36 & -0.26 & 0.07 \\
##   275 & 275 & -0.10 & -0.26 & 0.06 & 20.00 & 140 &  33 & -0.25 & 0.10 \\
##   276 & 276 & -0.08 & -0.22 & 0.06 & 20.00 & 139 &  32 & -0.22 & 0.11 \\
##   277 & 277 & -0.07 & -0.27 & 0.13 & 20.00 &  81 &  69 & -0.31 & 0.18 \\
##   278 & 278 & -0.09 & -0.29 & 0.12 & 20.00 &  84 &  68 & -0.32 & 0.17 \\
##   279 & 279 & -0.07 & -0.27 & 0.13 & 20.00 &  90 &  65 & -0.30 & 0.19 \\
##   280 & 280 & -0.05 & -0.25 & 0.15 & 20.00 &  76 &  68 & -0.29 & 0.20 \\
##   281 & 281 & -0.07 & -0.22 & 0.08 & 20.00 & 138 &  31 & -0.21 & 0.12 \\
##   282 & 282 & -0.04 & -0.24 & 0.16 & 20.00 &  93 &  61 & -0.27 & 0.22 \\
##   283 & 283 & -0.03 & -0.22 & 0.17 & 20.00 &  76 &  65 & -0.25 & 0.22 \\
##   284 & 284 & -0.01 & -0.21 & 0.19 & 20.00 &  86 &  60 & -0.22 & 0.26 \\
##   285 & 285 & -0.05 & -0.22 & 0.11 & 20.00 & 129 &  30 & -0.22 & 0.17 \\
##   286 & 286 & -0.01 & -0.23 & 0.20 & 20.00 & 106 &  39 & -0.23 & 0.26 \\
##   287 & 287 & -0.02 & -0.20 & 0.17 & 20.00 & 113 &  40 & -0.22 & 0.21 \\
##   288 & 288 & -0.05 & -0.22 & 0.12 & 20.00 & 116 &  35 & -0.24 & 0.17 \\
##   289 & 289 & -0.05 & -0.21 & 0.10 & 20.00 & 126 &  34 & -0.22 & 0.15 \\
##   290 & 290 & -0.01 & -0.25 & 0.22 & 20.00 & 107 &  37 & -0.24 & 0.28 \\
##   291 & 291 & -0.02 & -0.26 & 0.22 & 20.00 & 109 &  33 & -0.25 & 0.27 \\
##   292 & 292 & -0.02 & -0.19 & 0.16 & 20.00 &  64 &  67 & -0.21 & 0.21 \\
##   293 & 293 & -0.03 & -0.19 & 0.12 & 20.00 &  44 &  61 & -0.21 & 0.17 \\
##   294 & 294 & -0.03 & -0.23 & 0.17 & 20.00 & 120 &  30 & -0.23 & 0.23 \\
##   295 & 295 & 0.00 & -0.19 & 0.20 & 20.00 &  85 &  57 & -0.19 & 0.26 \\
##   296 & 296 & 0.00 & -0.19 & 0.20 & 20.00 &  86 &  54 & -0.19 & 0.25 \\
##   297 & 297 & 0.01 & -0.21 & 0.22 & 20.00 &  90 &  51 & -0.20 & 0.28 \\
##   298 & 298 & -0.04 & -0.21 & 0.14 & 20.00 &  49 &  55 & -0.21 & 0.19 \\
##   299 & 299 & 0.01 & -0.22 & 0.23 & 20.00 &  89 &  45 & -0.21 & 0.29 \\
##   300 & 300 & 0.01 & -0.22 & 0.23 & 20.00 &  85 &  50 & -0.21 & 0.29 \\
##   301 & 301 & -0.01 & -0.24 & 0.23 & 20.00 &  93 &  42 & -0.23 & 0.29 \\
##   302 & 302 & -0.02 & -0.25 & 0.20 & 20.00 & 106 &  30 & -0.24 & 0.25 \\
##   303 & 303 & -0.01 & -0.25 & 0.22 & 20.00 &  98 &  40 & -0.24 & 0.28 \\
##   304 & 304 & -0.02 & -0.25 & 0.22 & 20.00 & 102 &  40 & -0.24 & 0.28 \\
##   305 & 305 & -0.05 & -0.24 & 0.13 & 20.00 &  46 &  53 & -0.23 & 0.18 \\
##   306 & 306 & -0.07 & -0.19 & 0.05 & 20.00 &  51 &  42 & -0.23 & 0.07 \\
##   307 & 307 & -0.09 & -0.24 & 0.06 & 20.00 &  47 &  40 & -0.25 & 0.11 \\
##   308 & 308 & -0.09 & -0.25 & 0.06 & 20.00 &  48 &  34 & -0.29 & 0.10 \\
##   309 & 309 & -0.09 & -0.25 & 0.08 & 20.00 &  49 &  31 & -0.31 & 0.08 \\
##   310 & 310 & -0.08 & -0.26 & 0.10 & 20.00 &  40 &  29 & -0.32 & 0.09 \\
##   311 & 311 & -0.08 & -0.27 & 0.11 & 20.00 &  31 &  35 & -0.33 & 0.10 \\
##   312 & 312 & -0.07 & -0.28 & 0.13 & 20.00 &  28 &  40 & -0.34 & 0.12 \\
```

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##   313 & 313 & -0.07 & -0.28 & 0.13 & 20.00 &  29 &  43 & -0.34 & 0.13 \\
##   314 & 314 & -0.00 & -0.17 & 0.16 & 20.00 &  36 &  39 & -0.19 & 0.22 \\
##   315 & 315 & 0.01 & -0.17 & 0.18 & 20.00 &  39 &  32 & -0.17 & 0.24 \\
##   316 & 316 & 0.02 & -0.16 & 0.19 & 20.00 &  39 &  27 & -0.15 & 0.25 \\
##   317 & 317 & 0.03 & -0.14 & 0.21 & 20.00 &  42 &  28 & -0.14 & 0.27 \\
##   318 & 318 & 0.05 & -0.13 & 0.22 & 20.00 &  45 &  19 & -0.12 & 0.28 \\
##   319 & 319 & 0.06 & -0.12 & 0.24 & 20.00 &  57 &  18 & -0.11 & 0.29 \\
##   320 & 320 & 0.07 & -0.12 & 0.25 & 20.00 &  59 &  17 & -0.11 & 0.31 \\
##   321 & 321 & 0.08 & -0.12 & 0.28 & 20.00 &  57 &  18 & -0.11 & 0.34 \\
##   322 & 322 & 0.09 & -0.11 & 0.29 & 20.00 &  60 &  27 & -0.10 & 0.35 \\
##   323 & 323 & 0.09 & -0.11 & 0.28 & 20.00 &  56 &  29 & -0.10 & 0.34 \\
##   324 & 324 & 0.10 & -0.08 & 0.27 & 20.00 &  56 &  43 & -0.10 & 0.33 \\
##   325 & 325 & 0.11 & -0.07 & 0.30 & 20.00 &  49 &  46 & -0.08 & 0.35 \\
##   326 & 326 & 0.12 & -0.06 & 0.31 & 20.00 &  48 &  45 & -0.08 & 0.37 \\
##   327 & 327 & 0.13 & -0.05 & 0.30 & 20.00 &  47 &  48 & -0.06 & 0.35 \\
##   328 & 328 & 0.14 & -0.03 & 0.31 & 20.00 &  41 &  46 & -0.04 & 0.37 \\
##   329 & 329 & 0.15 & -0.02 & 0.31 & 20.00 &  40 &  47 & -0.03 & 0.36 \\
##   330 & 330 & 0.14 & -0.03 & 0.31 & 20.00 &  40 &  48 & -0.04 & 0.35 \\
##   331 & 331 & 0.16 & -0.01 & 0.32 & 20.00 &  34 &  43 & -0.02 & 0.37 \\
##   332 & 332 & 0.15 & -0.01 & 0.32 & 20.00 &  39 &  46 & -0.02 & 0.37 \\
##   333 & 333 & 0.16 & -0.01 & 0.32 & 20.00 &  34 &  43 & -0.02 & 0.37 \\
##   334 & 334 & 0.16 & -0.01 & 0.32 & 20.00 &  34 &  43 & -0.02 & 0.37 \\
##   335 & 335 & 0.16 & -0.01 & 0.33 & 20.00 &  38 &  42 & -0.02 & 0.38 \\
##   336 & 336 & 0.16 & -0.00 & 0.33 & 20.00 &  31 &  43 & -0.01 & 0.38 \\
##    \hline
## \end{tabular}
## \end{table}
```

```
finaltab[2]
```

```
##     Estimate
## 1       0.09
## 2       0.14
## 3       0.10
## 4       0.10
## 5       0.08
## 6       0.07
## 7       0.06
## 8       0.04
## 9       0.02
## 10      0.00
## 11     -0.03
## 12     -0.04
## 13     -0.12
## 14     -0.11
## 15     -0.09
## 16     -0.07
## 17     -0.05
## 18     -0.05
## 19     -0.12
## 20     -0.07
## 21     -0.03
## 22     -0.05
## 23     -0.03
## 24     -0.03
```

```
## 25     -0.06
## 26     -0.10
## 27     -0.07
## 28     -0.09
## 29     -0.06
## 30     -0.05
## 31     -0.04
## 32     -0.03
## 33     -0.01
## 34      0.00
## 35      0.01
## 36      0.02
## 37      0.03
## 38      0.03
## 39      0.02
## 40      0.04
## 41      0.06
## 42      0.07
## 43      0.09
## 44      0.11
## 45      0.11
## 46      0.14
## 47      0.11
## 48      0.13
## 49      0.14
## 50      0.15
## 51      0.14
## 52      0.15
## 53      0.17
## 54      0.15
## 55      0.15
## 56      0.15
## 57      0.16
## 58      0.15
## 59      0.16
## 60      0.16
## 61      0.20
## 62      0.18
## 63      0.17
## 64      0.21
## 65      0.20
## 66      0.26
## 67      0.21
## 68      0.25
## 69      0.24
## 70      0.17
## 71      0.17
## 72      0.21
## 73      0.22
## 74      0.21
## 75      0.18
## 76      0.16
## 77      0.17
## 78      0.17
```

```
## 79      0.17
## 80      0.16
## 81      0.16
## 82      0.16
## 83      0.16
## 84      0.16
## 85      0.17
## 86      0.16
## 87      0.15
## 88      0.14
## 89      0.15
## 90      0.15
## 91      0.15
## 92      0.14
## 93      0.15
## 94      0.14
## 95      0.13
## 96      0.12
## 97      0.11
## 98      0.09
## 99      0.08
## 100     0.03
## 101     0.03
## 102     0.05
## 103     0.02
## 104     0.01
## 105     0.00
## 106    -0.01
## 107     0.04
## 108     0.06
## 109     0.08
## 110     0.06
## 111     0.07
## 112     0.08
## 113     0.10
## 114     0.12
## 115     0.14
## 116     0.16
## 117     0.17
## 118     0.17
## 119     0.18
## 120     0.19
## 121     0.21
## 122     0.23
## 123     0.24
## 124     0.25
## 125     0.26
## 126     0.27
## 127     0.26
## 128     0.28
## 129     0.27
## 130     0.27
## 131     0.29
## 132     0.31
```

```
## 133     0.32
## 134     0.36
## 135     0.34
## 136     0.30
## 137     0.26
## 138     0.22
## 139     0.24
## 140     0.22
## 141     0.21
## 142     0.19
## 143     0.18
## 144     0.15
## 145     0.10
## 146     0.06
## 147     0.15
## 148     0.15
## 149     0.15
## 150     0.06
## 151     0.14
## 152     0.14
## 153     0.04
## 154     0.03
## 155     0.03
## 156     0.15
## 157     0.00
## 158     0.02
## 159     0.14
## 160     0.03
## 161     0.03
## 162     0.06
## 163     0.03
## 164    -0.04
## 165    -0.01
## 166    -0.04
## 167     0.00
## 168    -0.04
## 169    -0.06
## 170    -0.15
## 171    -0.09
## 172    -0.13
## 173    -0.17
## 174    -0.25
## 175    -0.25
## 176    -0.26
## 177    -0.26
## 178    -0.27
## 179    -0.28
## 180    -0.29
## 181    -0.28
## 182    -0.28
## 183    -0.28
## 184    -0.28
## 185    -0.28
## 186    -0.28
```

```
## 187    -0.18
## 188    -0.22
## 189    -0.36
## 190    -0.39
## 191    -0.30
## 192    -0.27
## 193    -0.27
## 194    -0.30
## 195    -0.31
## 196    -0.37
## 197    -0.24
## 198    -0.21
## 199    -0.22
## 200    -0.21
## 201    -0.21
## 202    -0.22
## 203    -0.28
## 204    -0.27
## 205    -0.27
## 206    -0.28
## 207    -0.28
## 208    -0.27
## 209    -0.28
## 210    -0.27
## 211    -0.27
## 212    -0.28
## 213    -0.25
## 214    -0.22
## 215    -0.24
## 216    -0.36
## 217    -0.34
## 218    -0.32
## 219    -0.28
## 220    -0.26
## 221    -0.27
## 222    -0.23
## 223    -0.23
## 224    -0.23
## 225    -0.23
## 226    -0.22
## 227    -0.22
## 228    -0.24
## 229    -0.25
## 230    -0.24
## 231    -0.26
## 232    -0.27
## 233    -0.24
## 234    -0.23
## 235    -0.25
## 236    -0.26
## 237    -0.27
## 238    -0.23
## 239    -0.26
## 240    -0.23
```

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## 241    -0.23
## 242    -0.23
## 243    -0.25
## 244    -0.24
## 245    -0.23
## 246    -0.23
## 247    -0.23
## 248    -0.22
## 249    -0.22
## 250    -0.21
## 251    -0.21
## 252    -0.21
## 253    -0.22
## 254    -0.21
## 255    -0.21
## 256    -0.20
## 257    -0.21
## 258    -0.21
## 259    -0.20
## 260    -0.20
## 261    -0.20
## 262    -0.18
## 263    -0.17
## 264    -0.16
## 265    -0.15
## 266    -0.15
## 267    -0.15
## 268    -0.17
## 269    -0.16
## 270    -0.16
## 271    -0.15
## 272    -0.14
## 273    -0.13
## 274    -0.13
## 275    -0.10
## 276    -0.08
## 277    -0.07
## 278    -0.09
## 279    -0.07
## 280    -0.05
## 281    -0.07
## 282    -0.04
## 283    -0.03
## 284    -0.01
## 285    -0.05
## 286    -0.01
## 287    -0.02
## 288    -0.05
## 289    -0.05
## 290    -0.01
## 291    -0.02
## 292    -0.02
## 293    -0.03
## 294    -0.03
```
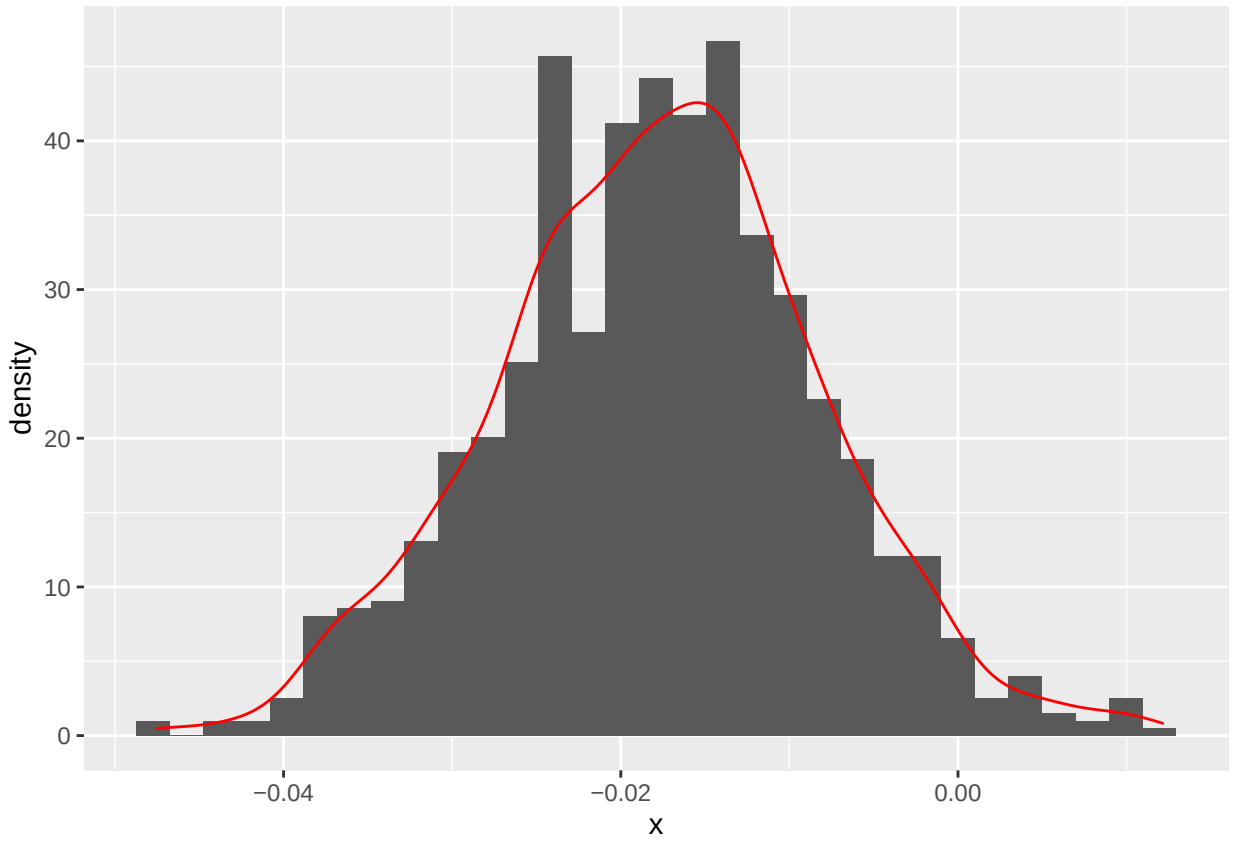

```
## 295     0.00
## 296     0.00
## 297     0.01
## 298    -0.04
## 299     0.01
## 300     0.01
## 301    -0.01
## 302    -0.02
## 303    -0.01
## 304    -0.02
## 305    -0.05
## 306    -0.07
## 307    -0.09
## 308    -0.09
## 309    -0.09
## 310    -0.08
## 311    -0.08
## 312    -0.07
## 313    -0.07
## 314     0.00
## 315     0.01
## 316     0.02
## 317     0.03
## 318     0.05
## 319     0.06
## 320     0.07
## 321     0.08
## 322     0.09
## 323     0.09
## 324     0.10
## 325     0.11
## 326     0.12
## 327     0.13
## 328     0.14
## 329     0.15
## 330     0.14
## 331     0.16
## 332     0.15
## 333     0.16
## 334     0.16
## 335     0.16
## 336     0.16
```

```
apply(finaltab[2], 2, mean)
```

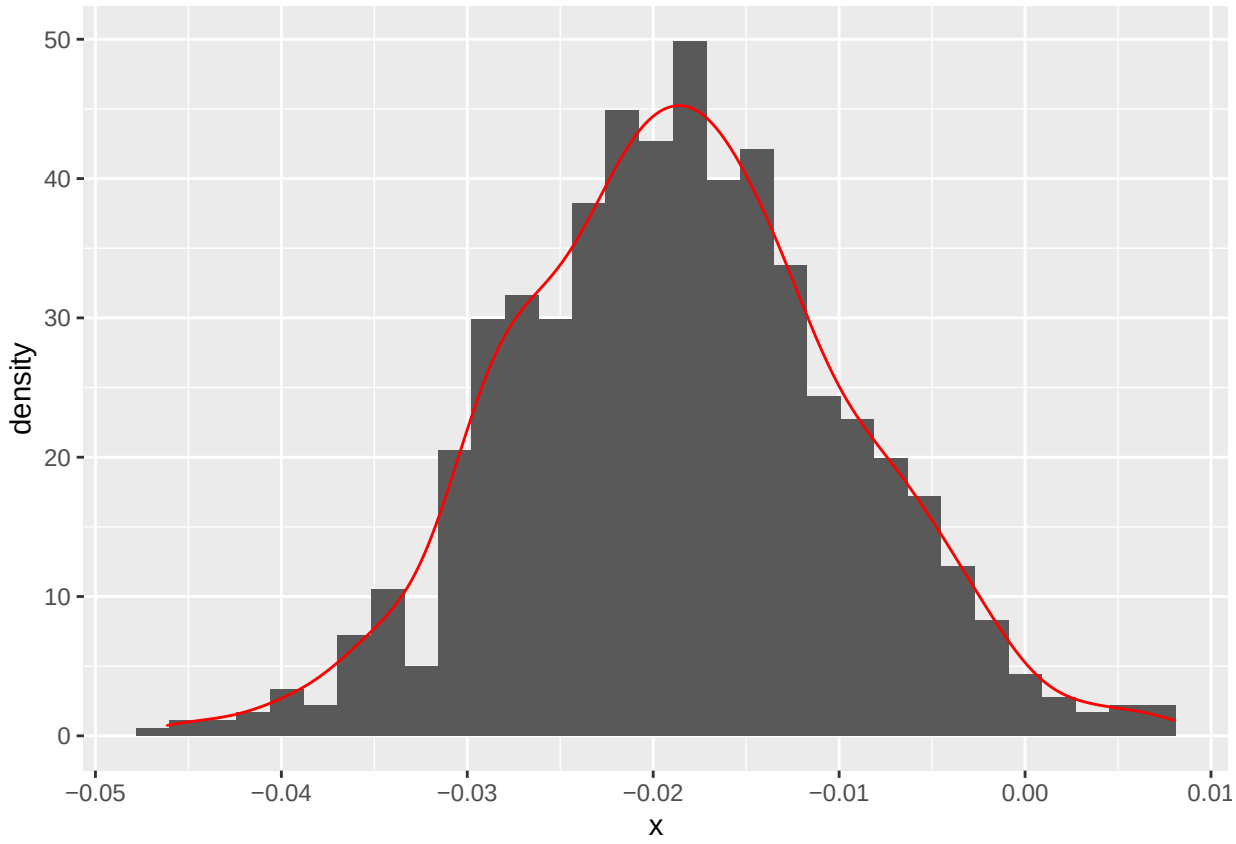
```
##    Estimate
## -0.01860119
```

```
n=nrow(pointsALL)
B=1000
x=as.matrix(finaltab[2])

boot.mean = function(x,B,binwidth=NULL) {
  n = length(x)
  boot.samples = matrix( sample(x,size=n*B,replace=TRUE), B, n)
```

```
  boot.statistics = apply(boot.samples,1,mean)
  se = sd(boot.statistics)
  require(ggplot2)
  if ( is.null(binwidth) )
    binwidth = diff(range(boot.statistics))/30
  p = ggplot(data.frame(x=boot.statistics),aes(x=x)) +
    geom_histogram(aes(y=..density..),binwidth=binwidth) + geom_density(color="red")
  plot(p)
  interval = mean(x) + c(-1,1)*2*se
  #print( interval )
  return( list(boot.mean=mean(x), boot.statistics = boot.statistics, interval=interval, se=se, plot=p) )
}

mean7= boot.mean(x, B)$boot.mean
```




```
ci7=boot.mean(x, B)$interval
```




```
#mys
res2=c(mean2, ci2)
res3=c(mean3, ci3)


#hyd
res6=c(mean6, ci6)
res7=c(mean7, ci7)


mysres=rbind(res2, res3) #results for mysore
hydres=rbind(res6, res7) #results for hyderabad

results=cbind(mysres, hydres)
rownames(mysres)=c("Health Centers", "Paved Roads")
colnames(mysres)=c("Coefficient", "Lower CI", "Upper CI")
rownames(hydres)=c("Health Centers", "Paved Roads")
colnames(hydres)=c("Coefficient", "Lower CI", "Upper CI")
stargazer(round(mysres, 4)) #creates the non-parametric table for Mysore-Bombay border
```

```
##
## % Table created by stargazer v.5.2.2 by Marek Hlavac, Harvard University. E-mail: hlavac at fas.harva
## % Date and time: Fri, Jun 16, 2023 - 15:00:11
## \begin{table}[!htbp] \centering
##   \caption{}
##   \label{}
## \begin{tabular}{@{\extracolsep{5pt}} cccc}
```

```
## \\[-1.8ex]\hline
## \hline \\[-1.8ex]
##  & Coefficient & Lower CI & Upper CI \\
## \hline \\[-1.8ex]
## Health Centers & $$-$0.046$ & $$-$0.058$ & $$-$0.034$ \\
## Paved Roads & $$-$0.172$ & $$-$0.187$ & $$-$0.157$ \\
## \hline \\[-1.8ex]
## \end{tabular}
## \end{table}
```

```
stargazer(round(hydres, 4)) #creates the non-parametric table for Hyderabad-Bombay border
```

```
##
## % Table created by stargazer v.5.2.2 by Marek Hlavac, Harvard University. E-mail: hlavac at fas.harva
## % Date and time: Fri, Jun 16, 2023 - 15:00:11
## \begin{table}[!htbp] \centering
##   \caption{}
##   \label{}
## \begin{tabular}{@{\extracolsep{5pt}} cccc}
## \\[-1.8ex]\hline
## \hline \\[-1.8ex]
##  & Coefficient & Lower CI & Upper CI \\
## \hline \\[-1.8ex]
## Health Centers & $$-$0.119$ & $$-$0.130$ & $$-$0.107$ \\
## Paved Roads & $$-$0.019$ & $$-$0.036$ & $$-$0.001$ \\
## \hline \\[-1.8ex]
## \end{tabular}
## \end{table}
```