```
      name:  <unnamed>
       log:  /Users/victoraraujosilva/Library/CloudStorage/GoogleDrive-victor.asarauj
> o@alumni.usp.br/My Drive/Igrejas_political outcomes/psrm_materials/stata_log_replic
> ation_psrm2025.smcl
  log type:  smcl
 opened on:  21 May 2025, 11:23:47

 1 . do "/var/folders/1p/ktsylbts09n7c1cbjt351qpm0000gn/T//SD24459.000000"

 2 . *** BEFORE RUNNING THIS CODE, PLEASE REFER TO THE FILE READ_ME FIRST
 3 .
 4 .
 5 .                                  ************************************************
   > *************************
 6 .                                  **** Runnning the tables and figures reported in t
   > he main text ************
 7 .                                  ************************************************
   > *************************
 8 .
 9 .
10 . ** Please use the #sortseed to produce numerically equivalent results for computati
   > ons whose results may change slightly when the computations are run repeatedly.
11 .
12 . set sortseed 0987654321

13 .
   end of do-file

14 . do "/var/folders/1p/ktsylbts09n7c1cbjt351qpm0000gn/T//SD24459.000000"

15 . **********************
16 . ** Table 1: main tex
17 . **********************
18 .
19 . ** Correlation between the number of evangelical churches per 100,000 inhabitants a
   > nd a set of electoral outcomes (1994-2018)
20 . ** Fixed-effects models
21 .
22 .
23 . *** To replicate estimates reported in Table 1 (main text), use the file "df_LPT_ig
   > rejas_outcomes.dta"
24 .
25 . use "/Users/victoraraujosilva/Library/CloudStorage/GoogleDrive-victor.asaraujo@alum
   > ni.usp.br/My Drive/Igrejas_political outcomes/psrm_materials/df_LPT_igrejas_outcome
   > s.dta",clear

26 .
27 .
28 . ** Before running the OLS models, you should run the code below to create key varia
   > bles used in the statistical analysis
29 .
30 . ******************************************************************************
31 . **** Transforming/creating key variables used in the statistical analysis
```

```
32 . ********************************************************************************
33 .
34 . *** creating the log of the size of population
35 . gen ln_pop = ln(pop)
   (614 missing values generated)

36 . ** creating the log of the size of electorate
37 . gen ln_elec = ln(qtde_eleitores)

38 .
   end of do-file

39 . do "/var/folders/1p/ktsylbts09n7c1cbjt351qpm0000gn/T//SD24459.000000"

40 . ** Municipal and year-level fixed effects models (FE)
41 .
42 . *** Full sample (All)
43 . xtset ibge7 year

   Panel variable: ibge7 (unbalanced)
    Time variable: year, 1994 to 2018, but with gaps
            Delta: 1 unit

44 . ** Outcome: Turnout
45 . xtreg turnout all_100 idhm ln_pop ln_elec, fe cluster (cod_uf)

   Fixed-effects (within) regression               Number of obs     =     61,779
   Group variable: ibge7                           Number of groups  =      4,862

   R-squared:                                      Obs per group:
        Within  = 0.1082                                         min =          4
        Between = 0.0842                                         avg =       12.7
        Overall = 0.0569                                         max =         13

                                                   F(4, 25)          =      42.55
   corr(u_i, Xb) = -0.8191                         Prob > F          =     0.0000

                                  (Std. err. adjusted for 26 clusters in cod_uf)
------------------------------------------------------------------------------
             |               Robust
     turnout |  Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
     all_100 |  -.0007093   .0001053    -6.73   0.000    -.0009263   -.0004924
        idhm |   .2827041   .0359544     7.86   0.000     .2086547    .3567535
      ln_pop |   .0561408    .011227     5.00   0.000     .0330183    .0792632
     ln_elec |  -.1491222   .0292724    -5.09   0.000    -.2094099   -.0888345
       _cons |   1.505622   .2307078     6.53   0.000     1.030471    1.980774
-------------+----------------------------------------------------------------
     sigma_u |  .09114787
     sigma_e |  .05835574
         rho |  .70927198   (fraction of variance due to u_i)
------------------------------------------------------------------------------

46 . ** Outcome: Competition
```

```
47 . xtreg comp all_100 idhm ln_pop ln_elec, fe cluster (cod_uf)

Fixed-effects (within) regression               Number of obs     =     61,778
Group variable: ibge7                           Number of groups  =      4,862

R-squared:                                      Obs per group:
     Within  = 0.0587                                         min =          4
     Between = 0.1203                                         avg =       12.7
     Overall = 0.0580                                         max =         13

                                                F(4, 25)          =      49.46
corr(u_i, Xb) = -0.3674                         Prob > F          =     0.0000

                                 (Std. err. adjusted for 26 clusters in cod_uf)
------------------------------------------------------------------------------
             |               Robust
        comp | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
     all_100 |   .0003582   .0001371     2.61   0.015     .0000758    .0006406
        idhm |  -.2959386   .0438156    -6.75   0.000    -.3861784   -.2056988
      ln_pop |   .0205776   .0105087     1.96   0.061    -.0010655    .0422208
     ln_elec |  -.0603529    .015667    -3.85   0.001    -.0926197   -.0280861
       _cons |   .6748906   .1220318     5.53   0.000     .4235615    .9262197
-------------+----------------------------------------------------------------
     sigma_u |  .06424582
     sigma_e |  .13914665
         rho |  .17571926   (fraction of variance due to u_i)
------------------------------------------------------------------------------

48 . ** Outcome: Conservatism
49 . xtreg ideo_imp all_100 idhm ln_pop ln_elec, fe cluster (cod_uf)

Fixed-effects (within) regression               Number of obs     =     61,784
Group variable: ibge7                           Number of groups  =      4,862

R-squared:                                      Obs per group:
     Within  = 0.0668                                         min =          4
     Between = 0.0420                                         avg =       12.7
     Overall = 0.0003                                         max =         13

                                                F(4, 25)          =      14.01
corr(u_i, Xb) = -0.5450                         Prob > F          =     0.0000

                                 (Std. err. adjusted for 26 clusters in cod_uf)
------------------------------------------------------------------------------
             |               Robust
    ideo_imp | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
     all_100 |   .0018173   .0003129     5.81   0.000     .0011728    .0024618
        idhm |  -.5063691   .1462646    -3.46   0.002    -.8076067   -.2051315
      ln_pop |   .0456011   .0211036     2.16   0.040     .0021375    .0890647
     ln_elec |   .0044257   .0383037     0.12   0.909    -.0744622    .0833136
       _cons |  -.0225601   .2831346    -0.08   0.937    -.6056868    .5605666
-------------+----------------------------------------------------------------
```

```
     sigma_u |  .12796934
     sigma_e |  .15151813
         rho |  .41633687   (fraction of variance due to u_i)
------------------------------------------------------------------------------
```

```
50 . ** Outcome: Polarization
51 . xtreg pol_pi all_100 idhm ln_pop ln_elec, fe cluster (cod_uf)

Fixed-effects (within) regression               Number of obs     =     61,784
Group variable: ibge7                           Number of groups  =      4,862

R-squared:                                      Obs per group:
     Within  = 0.0963                                         min =          4
     Between = 0.0048                                         avg =       12.7
     Overall = 0.0122                                         max =         13

                                                F(4, 25)          =      28.84
corr(u_i, Xb) = -0.6314                         Prob > F          =     0.0000

                                 (Std. err. adjusted for 26 clusters in cod_uf)
------------------------------------------------------------------------------
             |               Robust
      pol_pi | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
     all_100 |    .000029   .0010673     0.03   0.979    -.0021691     .002227
        idhm |  -2.122102   .4408095    -4.81   0.000    -3.029966   -1.214238
      ln_pop |  -.0956001   .1011516    -0.95   0.354    -.3039258    .1127256
     ln_elec |  -.2586785   .1439944    -1.80   0.085    -.5552405    .0378834
       _cons |   10.14099   .8016745    12.65   0.000     8.489913    11.79207
-------------+----------------------------------------------------------------
     sigma_u |  .63909636
     sigma_e |  .81863191
         rho |  .37867909   (fraction of variance due to u_i)
------------------------------------------------------------------------------

52 .
   end of do-file

53 . do "/var/folders/1p/ktsylbts09n7c1cbjt351qpm0000gn/T//SD24459.000000"

54 . *** National elections
55 . ** Outcome: Turnout
56 . xtreg turnout all_100 idhm ln_pop ln_elec if national ==1, fe cluster (cod_uf)

Fixed-effects (within) regression               Number of obs     =     33,560
Group variable: ibge7                           Number of groups  =      4,862

R-squared:                                      Obs per group:
     Within  = 0.1663                                         min =          2
     Between = 0.0113                                         avg =        6.9
     Overall = 0.0207                                         max =          7

                                                F(4, 25)          =      57.81
corr(u_i, Xb) = -0.7542                         Prob > F          =     0.0000
```

(Std. err. adjusted for **26** clusters in **cod_uf**)

turnout	Coefficient	Robust std. err.	t	P>|t|	[95% conf.	interval]
all_100	**-.000533**	**.0001204**	**-4.43**	**0.000**	**-.0007809**	**-.000285**
idhm	**.2529207**	**.0366583**	**6.90**	**0.000**	**.1774215**	**.32842**
ln_pop	**.0958059**	**.013722**	**6.98**	**0.000**	**.0675449**	**.1240668**
ln_elec	**-.1779845**	**.0292664**	**-6.08**	**0.000**	**-.2382597**	**-.1177093**
_cons	**1.37641**	**.2498904**	**5.51**	**0.000**	**.8617511**	**1.891069**
sigma_u	**.09266307**					
sigma_e	**.04902805**					
rho	**.78128233**	(fraction of variance due to u_i)				

```
57 . ** Outcome: Competition
58 . xtreg comp all_100 idhm ln_pop ln_elec if national ==1, fe cluster (cod_uf)

Fixed-effects (within) regression               Number of obs     =     33,560
Group variable: ibge7                           Number of groups  =      4,862

R-squared:                                      Obs per group:
     Within  = 0.1041                                         min =          2
     Between = 0.0825                                         avg =        6.9
     Overall = 0.0861                                         max =          7

                                                F(4, 25)          =      36.56
corr(u_i, Xb) = -0.2405                         Prob > F          =     0.0000
```

(Std. err. adjusted for **26** clusters in **cod_uf**)

comp	Coefficient	Robust std. err.	t	P>|t|	[95% conf.	interval]
all_100	**.0001884**	**.0002061**	**0.91**	**0.369**	**-.000236**	**.0006128**
idhm	**-.4141804**	**.072323**	**-5.73**	**0.000**	**-.5631323**	**-.2652285**
ln_pop	**-.0218928**	**.0127042**	**-1.72**	**0.097**	**-.0480575**	**.0042719**
ln_elec	**-.0153376**	**.0212358**	**-0.72**	**0.477**	**-.0590735**	**.0283983**
_cons	**.7857846**	**.2077661**	**3.78**	**0.001**	**.3578824**	**1.213687**
sigma_u	**.09133291**					
sigma_e	**.15089417**					
rho	**.26812919**	(fraction of variance due to u_i)				

```
59 . ** Outcome: Conservatism
60 . xtreg ideo_imp all_100 idhm ln_pop ln_elec if national ==1, fe cluster (cod_uf)

Fixed-effects (within) regression               Number of obs     =     33,560
Group variable: ibge7                           Number of groups  =      4,862

R-squared:                                      Obs per group:
```

```
     Within  = 0.0647                                        min =         2
     Between = 0.0511                                        avg =       6.9
     Overall = 0.0013                                        max =         7

                                             F(4, 25)          =     10.87
corr(u_i, Xb) = -0.6346                      Prob > F          =    0.0000

                                (Std. err. adjusted for 26 clusters in cod_uf)
------------------------------------------------------------------------------
             |               Robust
    ideo_imp |  Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
     all_100 |   .0021095   .0003565     5.92   0.000     .0013753    .0028437
        idhm |   -.489364   .1486076    -3.29   0.003     -.795427   -.1833009
      ln_pop |    .080754   .0257435     3.14   0.004     .0277341    .1337738
     ln_elec |  -.0088371   .0462022    -0.19   0.850    -.1039923    .0863181
       _cons |  -.2703279   .3132644    -0.86   0.396    -.9155079    .3748521
-------------+----------------------------------------------------------------
     sigma_u |  .15672483
     sigma_e |  .16270497
         rho |  .48128528   (fraction of variance due to u_i)
------------------------------------------------------------------------------
```

```
61 . ** Outcome: Polarization
62 . xtreg pol_pi all_100 idhm ln_pop ln_elec if national ==1, fe cluster (cod_uf)

Fixed-effects (within) regression               Number of obs     =     33,560
Group variable: ibge7                           Number of groups  =      4,862

R-squared:                                      Obs per group:
     Within  = 0.1297                                         min =         2
     Between = 0.0006                                         avg =       6.9
     Overall = 0.0329                                         max =         7

                                                F(4, 25)          =     21.56
corr(u_i, Xb) = -0.4783                         Prob > F          =    0.0000

                                (Std. err. adjusted for 26 clusters in cod_uf)
------------------------------------------------------------------------------
             |               Robust
      pol_pi |  Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
     all_100 |  -.0010472   .0014752    -0.71   0.484    -.0040854     .001991
        idhm |   -2.18119   .5004462    -4.36   0.000    -3.211878   -1.150502
      ln_pop |  -.2126412   .1465368    -1.45   0.159    -.5144394     .089157
     ln_elec |  -.0904771   .1900261    -0.48   0.638    -.4818431    .3008889
       _cons |    10.0278   1.104014     9.08   0.000     7.754046    12.30156
-------------+----------------------------------------------------------------
     sigma_u |   .6620002
     sigma_e |  .78421317
         rho |   .4160937   (fraction of variance due to u_i)
------------------------------------------------------------------------------
```

```
63 .
```

```
64 .
65 . *** Local elections
66 . ** Outcome: Turnout
67 . xtreg turnout all_100 idhm ln_pop if national ==0, fe cluster (cod_uf)

Fixed-effects (within) regression               Number of obs     =     28,219
Group variable: ibge7                           Number of groups  =      4,861

R-squared:                                      Obs per group:
     Within  = 0.1036                                         min =          2
     Between = 0.2943                                         avg =        5.8
     Overall = 0.2031                                         max =          6

                                                F(3, 25)          =      34.94
corr(u_i, Xb) = -0.4884                         Prob > F          =     0.0000

                                (Std. err. adjusted for 26 clusters in cod_uf)
------------------------------------------------------------------------------
             |               Robust
     turnout |      Coef.   Std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
     all_100 |   -.000648   .0001003    -6.46   0.000    -.0008545   -.0004416
        idhm |    .1983036    .031176     6.36   0.000     .1340955    .2625118
      ln_pop |   -.0466998   .0120505    -3.88   0.001    -.0715183   -.0218813
       _cons |     1.19737    .123038     9.73   0.000     .9439686    1.450772
-------------+----------------------------------------------------------------
     sigma_u |   .04850693
     sigma_e |   .04484007
         rho |   .53922146   (fraction of variance due to u_i)
------------------------------------------------------------------------------
68 . ** Outcome: Competition
69 . xtreg comp all_100 idhm ln_pop if national ==0, fe cluster (cod_uf)

Fixed-effects (within) regression               Number of obs     =     28,218
Group variable: ibge7                           Number of groups  =      4,861

R-squared:                                      Obs per group:
     Within  = 0.0206                                         min =          2
     Between = 0.0007                                         avg =        5.8
     Overall = 0.0054                                         max =          6

                                                F(3, 25)          =      20.92
corr(u_i, Xb) = -0.1143                         Prob > F          =     0.0000

                                (Std. err. adjusted for 26 clusters in cod_uf)
------------------------------------------------------------------------------
             |               Robust
        comp |      Coef.   Std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
     all_100 |   .0001131   .0000726     1.56   0.132    -.0000363    .0002626
        idhm |   -.1225042   .0216757    -5.65   0.000    -.1671461   -.0778623
      ln_pop |    .0040123   .0056014     0.72   0.480    -.0075239    .0155485
       _cons |    .1232357   .0474482     2.60   0.016     .0255142    .2209571
```

sigma_u	**.06111173**
sigma_e	**.07878066**
rho	**.37567949** (fraction of variance due to u_i)

```
70 . ** Outcome: Conservatism
71 . xtreg ideo_imp all_100 idhm ln_pop if national ==0, fe cluster (cod_uf)

Fixed-effects (within) regression               Number of obs     =     28,224
Group variable: ibge7                           Number of groups  =      4,861

R-squared:                                      Obs per group:
     Within  = 0.1086                                         min =          2
     Between = 0.0015                                         avg =        5.8
     Overall = 0.0267                                         max =          6

                                                F(3, 25)          =      13.27
corr(u_i, Xb) = -0.2848                         Prob > F          =     0.0000

                                (Std. err. adjusted for 26 clusters in cod_uf)
```

ideo_imp	Coefficient	Robust std. err.	t	P>|t|	[95% conf.	interval]
all_100	**.0015947**	**.0003327**	**4.79**	**0.000**	**.0009095**	**.0022799**
idhm	**-.5548273**	**.134864**	**-4.11**	**0.000**	**-.8325848**	**-.2770697**
ln_pop	**.0169815**	**.0280906**	**0.60**	**0.551**	**-.0408723**	**.0748352**
_cons	**.3465766**	**.2173703**	**1.59**	**0.123**	**-.1011058**	**.7942591**

sigma_u	**.11288206**
sigma_e	**.13057978**
rho	**.42769013** (fraction of variance due to u_i)

```
72 . ** Outcome: Polarization
73 . xtreg pol_pi all_100 idhm ln_pop if national ==0, fe cluster (cod_uf)

Fixed-effects (within) regression               Number of obs     =     28,224
Group variable: ibge7                           Number of groups  =      4,861

R-squared:                                      Obs per group:
     Within  = 0.1134                                         min =          2
     Between = 0.0262                                         avg =        5.8
     Overall = 0.0037                                         max =          6

                                                F(3, 25)          =      53.11
corr(u_i, Xb) = -0.5301                         Prob > F          =     0.0000

                                (Std. err. adjusted for 26 clusters in cod_uf)
```

pol_pi	Coefficient	Robust std. err.	t	P>|t|	[95% conf.	interval]

all_100	-.0015246	.0011578	-1.32	0.200	-.0039092	.00086
idhm	-2.019617	.585495	-3.45	0.002	-3.225466	-.813767
ln_pop	-.2293125	.1061179	-2.16	0.040	-.4478665	-.0107585
_cons	8.699	.7474703	11.64	0.000	7.159556	10.23844
sigma_u	.64536879					
sigma_e	.66680405					
rho	.48366866	(fraction of variance due to u_i)				

```
74 .
   end of do-file

75 . do "/var/folders/1p/ktsylbts09n7c1cbjt351qpm0000gn/T//SD24459.000000"

76 . ************************
77 . *** Table 2: main text
78 . ************************
79 .
80 . ** The impact of evangelical churches on electoral politics (2004-2018)
81 .
82 .
83 . *** To replicate estimates reported in Table 2 (main text), use the file "df_LPT_ig
   > rejas_outcomes.dta"
84 . use "/Users/victoraraujosilva/Library/CloudStorage/GoogleDrive-victor.asaraujo@alum
   > ni.usp.br/My Drive/Igrejas_political outcomes/psrm_materials/df_LPT_igrejas_outcome
   > s.dta",clear

85 .
86 .
87 . *** Fuzzy regression discontinuity models (USING a linear FIT)
88 .
89 . ** Running these estimates requires the STATA package rdrobust. It can be installed
   >  using the following:
90 .     * net install rdrobust, from(https://raw.githubusercontent.com/rdpackages/rdrob
   > ust/master/stata) replace
91 .         * Visit https://rdpackages.github.io/rdrobust/ to further information on th
   > is package
92 .
   end of do-file

93 . do "/var/folders/1p/ktsylbts09n7c1cbjt351qpm0000gn/T//SD24459.000000"

94 . ***** Full sample (All)
95 . ** Outcome: Turnout
96 . rdrobust turnout margins if year >= 2004, c(0) fuzzy(all_100) all
   Preparing data.
   Computing bandwidth selectors.
   Computing variance-covariance matrix.
   Computing RD estimates.
   Estimation completed.

   Sharp RD estimates using local polynomial regression.
```

```
        Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 3
---------------------+----------------------              NN matches    =
> 3
       Number of obs |      3311        5476              BW type       =        CC
> T
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     7.745       7.745
          BW bias (b) |    12.444      12.444
            rho (h/b) |     0.622       0.622

Structural Estimates. Outcome: turnout. Running variable: margins. Instrument: all_10
> 0.
---------------------+------------------------------------------------------------------------
> -
             Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
---------------------+------------------------------------------------------------------------
> -
       Conventional |  -.00376    .00176    -2.1349   0.033      -.007221   -.00030
> 8
             Robust |      -          -      -2.0010   0.045      -.008196   -.00008
> 5
---------------------+------------------------------------------------------------------------
> -

First-Stage Estimates. Outcome: all_100. Running variable: margins.
---------------------+------------------------------------------------------------------------
> -
             Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
---------------------+------------------------------------------------------------------------
> -
       Conventional |   -2.902    1.0349    -2.8042   0.005      -4.93039   -.87369
> 3
             Robust |      -          -      -2.3317   0.020      -5.22675   -.45274
> 1
---------------------+------------------------------------------------------------------------
> -

All structural estimates.
---------------------+------------------------------------------------------------------------
> -
             Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
---------------------+------------------------------------------------------------------------
> -
       Conventional |  -.00376    .00176    -2.1349   0.033      -.007221   -.00030
> 8
      Bias-corrected |  -.00414    .00176    -2.3479   0.019      -.007597   -.00068
> 4
             Robust |  -.00414    .00207    -2.0010   0.045      -.008196   -.00008
```

```
> 5
─────────────────────┼──────────────────────────────────────────────────────────────
> ─

97 . ** Outcome: Competition
98 . rdrobust comp margins if year >= 2004, c(0) fuzzy(all_100) all
Preparing data.
Computing bandwidth selectors.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 2
─────────────────────┼──────────────────────              NN matches    =
> 3
       Number of obs |      1926        2726              BW type       =        CC
> T
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     4.449       4.449
          BW bias (b) |     7.061       7.061
            rho (h/b) |     0.630       0.630

Structural Estimates. Outcome: comp. Running variable: margins. Instrument: all_100.
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
               Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
        Conventional |   .00124    .00281    0.4411    0.659      -.004273    .00675
> 4
              Robust |      -         -      0.5687    0.570        -.0046    .00836
> 2
─────────────────────┼──────────────────────────────────────────────────────────────
> ─

First-Stage Estimates. Outcome: all_100. Running variable: margins.
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
               Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
        Conventional |  -3.0081    1.3895    -2.1649   0.030      -5.73146   -.28481
> 6
              Robust |      -         -      -1.8433   0.065      -6.19663    .18999
> 7
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
```

```
All structural estimates.
------------------------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
------------------------------------------------------------------------------
> -
        Conventional |   .00124    .00281    0.4411    0.659      -.004273    .00675
> 4
      Bias-corrected |   .00188    .00281    0.6685    0.504      -.003633    .00739
> 4
              Robust |   .00188    .00331    0.5687    0.570        -.0046    .00836
> 2
------------------------------------------------------------------------------
> -

 99 . ** Outcome: Conservatism
100 . rdrobust ideo_imp margins if year >= 2004, c(0) fuzzy(all_100) all
Preparing data.
Computing bandwidth selectors.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

        Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 5
----------------------+----------------------              NN matches    =
> 3
       Number of obs |      1871        2623              BW type       =        CC
> T
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
      Order bias (q) |         2           2
   BW loc. poly. (h) |     4.325       4.325
         BW bias (b) |     8.216       8.216
           rho (h/b) |     0.526       0.526

Structural Estimates. Outcome: ideo_imp. Running variable: margins. Instrument: all_1
> 00.
------------------------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
------------------------------------------------------------------------------
> -
        Conventional |  -.00894    .00576    -1.5519   0.121      -.020226     .0023
> 5
              Robust |      -         -      -1.6331   0.102      -.023102    .00210
> 2
------------------------------------------------------------------------------
> -
```

First-Stage Estimates. Outcome: all_100. Running variable: margins.

Method	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
Conventional	**-2.9451**	**1.4072**	**-2.0929**	**0.036**	**-5.70317**	**-.18710**
Robust	**-**	**-**	**-1.8373**	**0.066**	**-5.95719**	**.19251**

All structural estimates.

Method	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
Conventional	**-.00894**	**.00576**	**-1.5519**	**0.121**	**-.020226**	**.0023**
Bias-corrected	**-.0105**	**.00576**	**-1.8232**	**0.068**	**-.021788**	**.00078**
Robust	**-.0105**	**.00643**	**-1.6331**	**0.102**	**-.023102**	**.00210**

```
101 . ** Outcome: Polarization
102 . rdrobust pol_pi margins if year >= 2004, c(0) fuzzy(all_100) all
```

Preparing data.
Computing bandwidth selectors.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

Cutoff c = 0	Left of **c**	Right of **c**		
			Number of obs =	**3879**
			NN matches =	
Number of obs	**2988**	**4362**	BW type =	**CC**
Order loc. poly. (p)	**1**	**1**	Kernel type =	**Triangula**
Order bias (q)	**2**	**2**		
BW loc. poly. (h)	**6.708**	**6.708**		
BW bias (b)	**10.059**	**10.059**		
rho (h/b)	**0.667**	**0.667**		

Structural Estimates. Outcome: pol_pi. Running variable: margins. Instrument: all_100
> .

Method	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
Conventional	.02554	.01694	1.5074	0.132	-.007666	.0587
Robust	-	-	1.2608	0.207	-.014281	.06578

First-Stage Estimates. Outcome: all_100. Running variable: margins.

Method	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
Conventional	-2.8541	1.1166	-2.5560	0.011	-5.04256	-.66556
Robust	-	-	-2.0124	0.044	-5.3712	-.07087

All structural estimates.

Method	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
Conventional	.02554	.01694	1.5074	0.132	-.007666	.0587
Bias-corrected	.02575	.01694	1.5202	0.128	-.00745	.05895
Robust	.02575	.02043	1.2608	0.207	-.014281	.06578

```
103 .
    end of do-file

104 . do "/var/folders/1p/ktsylbts09n7c1cbjt351qpm0000gn/T//SD24459.000000"

105 . ***** National elections
106 . ** Outcome: Turnout
107 . rdrobust turnout margins if year >= 2004 & national ==1, c(0)  fuzzy(all_100) all
```
Preparing data.

```
Computing bandwidth selectors.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

        Cutoff c = 0 | Left of c  Right of c              Number of obs =      1944
> 5
---------------------+----------------------              NN matches    =
> 3
       Number of obs |      1660        2710              BW type       =        CC
> T
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     7.696       7.696
          BW bias (b) |    11.959      11.959
            rho (h/b) |     0.644       0.644

Structural Estimates. Outcome: turnout. Running variable: margins. Instrument: all_10
> 0.
---------------------+------------------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
---------------------+------------------------------------------------------------------------
> -
        Conventional |  -.00318    .00216    -1.4774   0.140      -.007409     .0010
> 4
              Robust |      -          -      -1.3496   0.177       -.00847    .00156
> 2
---------------------+------------------------------------------------------------------------
> -

First-Stage Estimates. Outcome: all_100. Running variable: margins.
---------------------+------------------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
---------------------+------------------------------------------------------------------------
> -
        Conventional |  -2.9297    1.4939    -1.9612   0.050      -5.85761   -.00180
> 7
              Robust |      -          -      -1.6665   0.096      -6.45856    .52256
> 3
---------------------+------------------------------------------------------------------------
> -

All structural estimates.
---------------------+------------------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
```

```
---------------------+------------------------------------------------------------
> -
         Conventional |  -.00318    .00216    -1.4774   0.140      -.007409     .0010
> 4
       Bias-corrected |  -.00345    .00216    -1.6024   0.109      -.007679    .00077
> 1
               Robust |  -.00345    .00256    -1.3496   0.177       -.00847    .00156
> 2
---------------------+------------------------------------------------------------
> -

108 . ** Outcome: Competition
109 . rdrobust comp margins if year >= 2004 & national ==1, c(0) fuzzy(all_100) all
Preparing data.
Computing bandwidth selectors.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 | Left of c  Right of c              Number of obs =      1944
> 5
---------------------+----------------------              NN matches    =
> 3
        Number of obs |      1256        1766              BW type       =        CC
> T
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     5.594       5.594
          BW bias (b) |     8.394       8.394
            rho (h/b) |     0.666       0.666

Structural Estimates. Outcome: comp. Running variable: margins. Instrument: all_100.
---------------------+------------------------------------------------------------
> -
               Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
---------------------+------------------------------------------------------------
> -
         Conventional |   -.0047     .0049    -0.9581   0.338      -.014305    .00491
> 1
               Robust |      -         -      -0.8725   0.383      -.016604    .00637
> 4
---------------------+------------------------------------------------------------
> -

First-Stage Estimates. Outcome: all_100. Running variable: margins.
---------------------+------------------------------------------------------------
> -
               Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
---------------------+------------------------------------------------------------
```

```
> ─
        Conventional │  −2.8444    1.7772    −1.6005   0.109      −6.32767    .63893
> 5
              Robust │      −         −      −1.2198   0.223      −6.77368    1.5766
> 8
─────────────────────┴──────────────────────────────────────────────────────────────
> ─

All structural estimates.
─────────────────────┬──────────────────────────────────────────────────────────────
> ─
              Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
        Conventional │   −.0047     .0049    −0.9581   0.338      −.014305    .00491
> 1
      Bias−corrected │  −.00511     .0049    −1.0434   0.297      −.014723    .00449
> 3
              Robust │  −.00511    .00586    −0.8725   0.383      −.016604    .00637
> 4
─────────────────────┴──────────────────────────────────────────────────────────────
> ─

110 . ** Outcome: Conservatism
111 . rdrobust ideo_imp margins if year >= 2004 & national ==1, c(0) fuzzy(all_100) all
Preparing data.
Computing bandwidth selectors.
Computing variance−covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

        Cutoff c = 0 │ Left of c  Right of c              Number of obs =      1944
> 5
─────────────────────┼──────────────────────              NN matches    =
> 3
       Number of obs │      1008        1410              BW type       =        CC
> T
 Order loc. poly. (p) │         1           1              Kernel type   = Triangula
> r
       Order bias (q) │         2           2
    BW loc. poly. (h) │     4.573       4.573
          BW bias (b) │     8.137       8.137
            rho (h/b) │     0.562       0.562

Structural Estimates. Outcome: ideo_imp. Running variable: margins. Instrument: all_1
> 00.
─────────────────────┬──────────────────────────────────────────────────────────────
> ─
              Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
─────────────────────┼──────────────────────────────────────────────────────────────
```

```
> ─
         Conventional │  -.01451    .01131    -1.2837   0.199      -.036672    .00764
> 6
               Robust │      -         -      -1.2974   0.195      -.041828    .00850
> 9
──────────────────────┼──────────────────────────────────────────────────────────────
> ─

First-Stage Estimates. Outcome: all_100. Running variable: margins.
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
               Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
         Conventional │  -2.9702    1.9633    -1.5129   0.130      -6.81818    .87778
> 4
               Robust │      -         -      -1.2865   0.198      -7.23092    1.5000
> 1
──────────────────────┼──────────────────────────────────────────────────────────────
> ─

All structural estimates.
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
               Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
         Conventional │  -.01451    .01131    -1.2837   0.199      -.036672    .00764
> 6
       Bias-corrected │  -.01666    .01131    -1.4735   0.141      -.038819      .005
> 5
               Robust │  -.01666    .01284    -1.2974   0.195      -.041828    .00850
> 9
──────────────────────┼──────────────────────────────────────────────────────────────
> ─

112 . ** Outcome: Polarization
113 . rdrobust pol_pi margins if year >= 2004 & national ==1, c(0) fuzzy(all_100) all
Preparing data.
Computing bandwidth selectors.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 │ Left of c  Right of c             Number of obs =      1944
> 5
──────────────────────┼──────────────────────             NN matches    =
> 3
       Number of obs │      1488        2166              BW type       =        CC
> T
```

```
 Order loc. poly. (p) |          1           1               Kernel type   = Triangula
> r
       Order bias (q) |          2           2
    BW loc. poly. (h) |      6.594       6.594
          BW bias (b) |      9.927       9.927
            rho (h/b) |      0.664       0.664

Structural Estimates. Outcome: pol_pi. Running variable: margins. Instrument: all_100
> .
---------------------+--------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
---------------------+--------------------------------------------------------------
> -
        Conventional |   .02043    .02312    0.8837    0.377       -.02488    .06573
> 6
              Robust |       -          -     0.6902    0.490      -.035196    .07345
> 5
---------------------+--------------------------------------------------------------
> -

First-Stage Estimates. Outcome: all_100. Running variable: margins.
---------------------+--------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
---------------------+--------------------------------------------------------------
> -
        Conventional |   -2.898    1.6196    -1.7893   0.074      -6.07237    .27635
> 6
              Robust |       -          -     -1.3950   0.163      -6.57058    1.1064
> 8
---------------------+--------------------------------------------------------------
> -

All structural estimates.
---------------------+--------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
---------------------+--------------------------------------------------------------
> -
        Conventional |   .02043    .02312    0.8837    0.377       -.02488    .06573
> 6
      Bias-corrected |   .01913    .02312    0.8275    0.408      -.026179    .06443
> 8
              Robust |   .01913    .02772    0.6902    0.490      -.035196    .07345
> 5
---------------------+--------------------------------------------------------------
> -

114 .
    end of do-file
```

```
115 . do "/var/folders/1p/ktsylbts09n7c1cbjt351qpm0000gn/T//SD24459.000000"

116 . ***** Local elections
117 . ** Outcome: Turnout
118 . rdrobust turnout margins if year >= 2004 & national ==0, c(0)  fuzzy(all_100) all
    Preparing data.
    Computing bandwidth selectors.
    Computing variance-covariance matrix.
    Computing RD estimates.
    Estimation completed.

    Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 | Left of c  Right of c              Number of obs =      1934
    > 8
    ---------------------+----------------------              NN matches    =
    > 3
           Number of obs |      1699        2938              BW type       =        CC
    > T
     Order loc. poly. (p) |         1           1              Kernel type   = Triangula
    > r
           Order bias (q) |         2           2
        BW loc. poly. (h) |     8.194       8.194
              BW bias (b) |    12.661      12.661
                rho (h/b) |     0.647       0.647

    Structural Estimates. Outcome: turnout. Running variable: margins. Instrument: all_10
    > 0.
    ---------------------+------------------------------------------------------------------------
    > -
                  Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
    > ]
    ---------------------+------------------------------------------------------------------------
    > -
            Conventional |  -.00405    .00236    -1.7179   0.086      -.008673    .00057
    > 1
                  Robust |      -         -      -1.5762   0.115      -.009926    .00107
    > 7
    ---------------------+------------------------------------------------------------------------
    > -

    First-Stage Estimates. Outcome: all_100. Running variable: margins.
    ---------------------+------------------------------------------------------------------------
    > -
                  Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
    > ]
    ---------------------+------------------------------------------------------------------------
    > -
            Conventional |    -2.91    1.3469    -2.1605   0.031      -5.54993   -.27009
    > 1
                  Robust |      -         -      -1.7371   0.082      -5.94122    .35809
    > 4
    ---------------------+------------------------------------------------------------------------
```

```
> ─

All structural estimates.
─────────────────────┬──────────────────────────────────────────────────────────────
> ─
               Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
        Conventional │  -.00405    .00236    -1.7179   0.086      -.008673    .00057
> 1
      Bias-corrected │  -.00442    .00236    -1.8761   0.061      -.009046    .00019
> 8
              Robust │  -.00442    .00281    -1.5762   0.115      -.009926    .00107
> 7
─────────────────────┴──────────────────────────────────────────────────────────────
> ─

119 . ** Outcome: Competition
120 . rdrobust comp margins if year >= 2004 & national ==0, c(0) fuzzy(all_100) all
Preparing data.
Computing bandwidth selectors.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 | Left of c  Right of c              Number of obs =      1934
> 7
─────────────────────┼──────────────────────              NN matches    =
> 3
       Number of obs |       918        1292              BW type       =        CC
> T
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     4.240       4.240
          BW bias (b) |     7.083       7.083
            rho (h/b) |     0.599       0.599

Structural Estimates. Outcome: comp. Running variable: margins. Instrument: all_100.
─────────────────────┬──────────────────────────────────────────────────────────────
> ─
               Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
        Conventional │   .00671    .00543    1.2346    0.217      -.003941    .01735
> 6
              Robust │      -         -      1.2095    0.226      -.004734    .01999
> 2
─────────────────────┴──────────────────────────────────────────────────────────────
> ─
```

First-Stage Estimates. Outcome: all_100. Running variable: margins.

Method	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
Conventional	**-2.9634**	**1.9232**	**-1.5409**	**0.123**	**-6.73286**	**.80597**
Robust	**-**	**-**	**-1.3525**	**0.176**	**-7.355**	**1.3487**

All structural estimates.

Method	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
Conventional	**.00671**	**.00543**	**1.2346**	**0.217**	**-.003941**	**.01735**
Bias-corrected	**.00763**	**.00543**	**1.4043**	**0.160**	**-.003019**	**.01827**
Robust	**.00763**	**.00631**	**1.2095**	**0.226**	**-.004734**	**.01999**

```
121 . ** Outcome: Conservatism
122 . rdrobust ideo_imp margins if year >= 2004 & national ==0, c(0) fuzzy(all_100) all
```

Preparing data.
Computing bandwidth selectors.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

Cutoff c = 0	Left of **c**	Right of **c**			
			Number of obs	=	**1935**
			NN matches	=	
Number of obs	**1364**	**1958**	BW type	=	**CC**
Order loc. poly. (p)	**1**	**1**	Kernel type	=	**Triangula**
Order bias (q)	**2**	**2**			
BW loc. poly. (h)	**6.074**	**6.074**			
BW bias (b)	**10.262**	**10.262**			
rho (h/b)	**0.592**	**0.592**			

Structural Estimates. Outcome: ideo_imp. Running variable: margins. Instrument: all_1
> 00.

Method	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
Conventional	**-.00069**	**.00418**	**-0.1652**	**0.869**	**-.008881**	**.007**
Robust	**-**	**-**	**-0.4511**	**0.652**	**-.011632**	**.0072**

First-Stage Estimates. Outcome: all_100. Running variable: margins.

Method	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
Conventional	**-2.882**	**1.5859**	**-1.8173**	**0.069**	**-5.99021**	**.22628**
Robust	**-**	**-**	**-1.5298**	**0.126**	**-6.42258**	**.79173**

All structural estimates.

Method	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
Conventional	**-.00069**	**.00418**	**-0.1652**	**0.869**	**-.008881**	**.007**
Bias-corrected	**-.00218**	**.00418**	**-0.5208**	**0.603**	**-.010367**	**.00601**
Robust	**-.00218**	**.00482**	**-0.4511**	**0.652**	**-.011632**	**.0072**

```
123 . ** Outcome: Polarization
124 . rdrobust pol_pi margins if year >= 2004 & national ==0, c(0) fuzzy(all_100) alles.g
    > ithub.io/rdrobust/ to further information on this package
    option alles.github.io not allowed
    r(198);

    end of do-file

    r(198);
```

```
125 . do "/var/folders/1p/ktsylbts09n7c1cbjt351qpm0000gn/T//SD24459.000000"

126 . ********************************************************
127 . *** Runnning the RDD Figures reported in main text
128 . ********************************************************
129 .
130 .    * Running this plot requires the STATA package rdrobust. If you haven't yet, you
    >  can install this package by using the line code below:
131 .    * net install rdrobust, from(https://raw.githubusercontent.com/rdpackages/rdrobu
    > st/master/stata) replace
132 .    * Visit https://rdpackages.github.io/rdrobust/ to further information on this pa
    > ckage
133 .
134 .
135 . *************************
136 . ** Figure 3 - main text
137 . *************************
138 .
139 . ** RD plot of the first-stage: the number of evangelical churches per 100,000 inhab
    > itants given the value of the running variable - i.e., the percentage of households
    >  with electricity in 2000
140 .
    end of do-file

141 . do "/var/folders/1p/ktsylbts09n7c1cbjt351qpm0000gn/T//SD24459.000000"

142 . *** To replicate the results ploted in Figure 3 (main text), use the file "df_LPT_i
    > grejas_outcomes.dta"
143 . use "/Users/victoraraujosilva/Library/CloudStorage/GoogleDrive-victor.asaraujo@alum
    > ni.usp.br/My Drive/Igrejas_political outcomes/psrm_materials/df_LPT_igrejas_outcome
    > s.dta",clear

144 .
145 .
146 . ** Setting the work directory where the the figure will be saved
147 . cd "/Users/victoraraujosilva/Library/CloudStorage/GoogleDrive-victor.asaraujo@alumn
    > i.usp.br/My Drive/Igrejas_political outcomes/figures"
    /Users/victoraraujosilva/Library/CloudStorage/GoogleDrive-victor.asaraujo@alumni.usp.
    > br/My Drive/Igrejas_political outcomes/figures

148 . ** Linear fit
149 . rdplot all_100 light_00 if year >= 2004 & all_100 < 40, c(85) p(1) level(90) ///
    >      graph_options(title("") ///
    >      ytitle("Evangelical churches per 100,000",size(medsmall)) ///
    >          xtitle("% of households with electricity in 2000",size(medsmall)) ///
    >           legend(position(4) cols(1)) ///
    >           xline(85, lcolor(red) lpattern(dash) lwidth(medthin))) ///
    >            yscale(range(0 20)) ///
    >           graphregion(color(white)) bgcolor(white) plotregion(margin(zero)) ///
    > graph save rdd_first_linear.gph

    Number of bins for RD estimates.
    Method: Mimicking Variance evenly spaced using spacings estimators.
```

Cutoff c = 85	Left of **c**	Right of **c**
Number of observations	**10273**	**18354**
Polynomial order	**1**	**1**
Chosen scale	**1.000**	**1.000**
Selected bins	**174**	**196**
Bin length	**0.429**	**0.076**
IMSE-optimal bins	**10**	**11**
Mimicking Variance bins	**174**	**196**
Relative to IMSE-optimal:		
Implied scale	**17.400**	**17.818**
WIMSE variance weight	**0.000**	**0.000**
WIMSE bias weight	**1.000**	**1.000**

```
150 .
    end of do-file

151 . do "/var/folders/1p/ktsylbts09n7c1cbjt351qpm0000gn/T//SD24459.000000"

152 . ** Setting the work directory where the the figure will be saved
153 . cd "/Users/victoraraujosilva/Library/CloudStorage/GoogleDrive-victor.asaraujo@alumn
    > i.usp.br/My Drive/Igrejas_political outcomes/figures"
    /Users/victoraraujosilva/Library/CloudStorage/GoogleDrive-victor.asaraujo@alumni.usp.
    > br/My Drive/Igrejas_political outcomes/figures

154 .
155 . ** Cubic fit
156 . rdplot all_100 light_00 if year >= 2004 & all_100 < 40, c(85) p(3) level(90) ///
    >      graph_options(title("") ///
    >      ytitle("Evangelical churches per 100,000",size(medsmall)) ///
    >          xtitle("% of households with electricity in 2000",size(medsmall)) ///
    >           legend(position(4) cols(1)) ///
    >           xline(85, lcolor(red) lpattern(dash) lwidth(medthin))) ///
    >           graphregion(color(white)) bgcolor(white) plotregion(margin(zero)) ///
    > graph save rdd_first_cubic.gph

    Number of bins for RD estimates.
    Method: Mimicking Variance evenly spaced using spacings estimators.
```

Cutoff c = 85	Left of **c**	Right of **c**
Number of observations	**10273**	**18354**
Polynomial order	**3**	**3**
Chosen scale	**1.000**	**1.000**
Selected bins	**174**	**196**
Bin length	**0.429**	**0.076**

IMSE-optimal bins	**12**	**18**
Mimicking Variance bins	**174**	**196**
Relative to IMSE-optimal:		
Implied scale	**14.500**	**10.889**
WIMSE variance weight	**0.000**	**0.001**
WIMSE bias weight	**1.000**	**0.999**

```
157 .
    end of do-file

158 . do "/var/folders/1p/ktsylbts09n7c1cbjt351qpm0000gn/T//SD24459.000000"

159 . ** Before combining the plots
160 . *** You should make sure to set the correct directory where the gph figures have be
    > en saved
161 . cd "/Users/victoraraujosilva/Library/CloudStorage/GoogleDrive-victor.asaraujo@alumn
    > i.usp.br/My Drive/Igrejas_political outcomes/figures"
    /Users/victoraraujosilva/Library/CloudStorage/GoogleDrive-victor.asaraujo@alumni.usp.
    > br/My Drive/Igrejas_political outcomes/figures

162 .
163 . graph combine rdd_first_linear.gph rdd_first_cubic.gph, cols(1)

164 .
165 . graph save comb_first_stage_linear_cubic.gph, replace
    file comb_first_stage_linear_cubic.gph saved

166 .
    end of do-file

167 . do "/var/folders/1p/ktsylbts09n7c1cbjt351qpm0000gn/T//SD24459.000000"

168 . *************************
169 . ** Figure 4 - main text
170 . *************************
171 .
172 . * The predicted share of Christian evangelicals given the per capita number (log) o
    > f new connections to the electrical grid through the LPT (2004-2018)
173 .
174 . ** To replicate the results ploted in Figure 4 (main text), please use the followin
    > g dataset: df_LPT_share_evangs.dta
175 .
176 . use "/Users/victoraraujosilva/Library/CloudStorage/GoogleDrive-victor.asaraujo@alum
    > ni.usp.br/My Drive/Igrejas_political outcomes/psrm_materials/df_LPT_share_evangs.dt
    > a", clear
    (Written by R.              )

177 .
    end of do-file

178 . do "/var/folders/1p/ktsylbts09n7c1cbjt351qpm0000gn/T//SD24459.000000"
```

```
179 . ********************************************************************************
180 . **** Transforming/creating key variables used in the statistical analysis
181 . ********************************************************************************
182 .
183 . *** creating the log of the size of population
184 . gen ln_pop = ln(pop)

185 . ** creating the log of the size of electorate
186 . gen ln_elec = ln(qtde_eleitores)

187 . ** creating a dummy variable that identifies whether a given municipality if locate
    > d at the Northeast region in Brazil
188 . gen ne=.
    (54,403 missing values generated)

189 . replace ne = 1 if cod_uf == 21
    (1,940 real changes made)

190 . replace ne = 1 if cod_uf == 22
    (2,199 real changes made)

191 . replace ne = 1 if cod_uf == 23
    (1,830 real changes made)

192 . replace ne = 1 if cod_uf == 24
    (1,651 real changes made)

193 . replace ne = 1 if cod_uf == 25
    (2,207 real changes made)

194 . replace ne = 1 if cod_uf == 26
    (1,841 real changes made)

195 . replace ne = 1 if cod_uf == 27
    (1,009 real changes made)

196 . replace ne = 1 if cod_uf == 28
    (672 real changes made)

197 . replace ne = 1 if cod_uf == 29
    (4,150 real changes made)

198 . replace ne = 0 if ne ==.
    (36,904 real changes made)

199 . *** creating the log of LPT connections per 100,000 inhabitants
200 . gen ln_lptconnections100 = ln(conec_100)
    (32,918 missing values generated)

201 .
    end of do-file

202 . do "/var/folders/1p/ktsylbts09n7c1cbjt351qpm0000gn/T//SD24459.000000"
```

```
203 . ** Running OLS models to predict the share of Chistian evangelicals given the log o
    > f number of LPT connections per 100,000
204 .
205 . reg share_evang ln_lptconnections100 ln_pop IDHM ne, robust

    Linear regression                               Number of obs     =     21,480
                                                    F(4, 21475)       =    1477.51
                                                    Prob > F          =     0.0000
                                                    R-squared         =     0.1909
                                                    Root MSE          =     10.025

    ------------------------------------------------------------------------------
    > -
                         |               Robust
                share_evang |  Coefficient  std. err.      t    P>|t|     [95% conf. interval
    > ]
    -------------------------+----------------------------------------------------------------
    > -
    ln_lptconnections100 |   .3090947   .0447579     6.91   0.000     .2213659    .396823
    > 4
                  ln_pop |   2.007108   .0746661    26.88   0.000     1.860756    2.15345
    > 9
                    IDHM |   37.34359   1.108932    33.68   0.000        35.17    39.5171
    > 8
                      ne |  -4.425083   .1734289   -25.52   0.000    -4.765017   -4.0851
    > 5
                   _cons |  -24.91789   1.021245   -24.40   0.000    -26.91961   -22.9161
    > 8
    -------------------------+----------------------------------------------------------------
    > -

206 . margins, at(ln_lptconnections100=(-4.102(1) 10.99)) post

    Predictive margins                                      Number of obs = 21,480
    Model VCE: Robust

    Expression: Linear prediction, predict()
    1._at:  ln_lptconnec~100 = -4.102
    2._at:  ln_lptconnec~100 = -3.102
    3._at:  ln_lptconnec~100 = -2.102
    4._at:  ln_lptconnec~100 = -1.102
    5._at:  ln_lptconnec~100 =  -.102
    6._at:  ln_lptconnec~100 =   .898
    7._at:  ln_lptconnec~100 =  1.898
    8._at:  ln_lptconnec~100 =  2.898
    9._at:  ln_lptconnec~100 =  3.898
    10._at: ln_lptconnec~100 =  4.898
    11._at: ln_lptconnec~100 =  5.898
    12._at: ln_lptconnec~100 =  6.898
    13._at: ln_lptconnec~100 =  7.898
    14._at: ln_lptconnec~100 =  8.898
    15._at: ln_lptconnec~100 =  9.898
    16._at: ln_lptconnec~100 = 10.898
```

	Delta-method				
	Margin	std. err.	t	P>|t|	[95% conf. interval]
_at					
1	**15.17289**	**.4135943**	**36.69**	**0.000**	**14.36221**	**15.98357**
2	**15.48199**	**.3695214**	**41.90**	**0.000**	**14.7577**	**16.20627**
3	**15.79108**	**.3256354**	**48.49**	**0.000**	**15.15281**	**16.42935**
4	**16.10017**	**.2820236**	**57.09**	**0.000**	**15.54739**	**16.65296**
5	**16.40927**	**.2388363**	**68.71**	**0.000**	**15.94113**	**16.87741**
6	**16.71836**	**.1963536**	**85.14**	**0.000**	**16.3335**	**17.10323**
7	**17.02746**	**.1551556**	**109.74**	**0.000**	**16.72334**	**17.33158**
8	**17.33655**	**.1166117**	**148.67**	**0.000**	**17.10799**	**17.56512**
9	**17.64565**	**.0844385**	**208.98**	**0.000**	**17.48014**	**17.81115**
10	**17.95474**	**.0683225**	**262.79**	**0.000**	**17.82083**	**18.08866**
11	**18.26384**	**.07882**	**231.72**	**0.000**	**18.10934**	**18.41833**
12	**18.57293**	**.1084608**	**171.24**	**0.000**	**18.36034**	**18.78552**
13	**18.88203**	**.1460187**	**129.31**	**0.000**	**18.59582**	**19.16823**
14	**19.19112**	**.1867771**	**102.75**	**0.000**	**18.82502**	**19.55722**
15	**19.50022**	**.2290337**	**85.14**	**0.000**	**19.05129**	**19.94914**
16	**19.80931**	**.2720914**	**72.80**	**0.000**	**19.27599**	**20.34263**

```
207 . estimates store m_1

208 . set scheme plotplain

209 . coefplot m_1, title("") ytitle(Estimated share of Christian evangelicals) xtitle("N
    > ew connections per 100,000 inhabitants (log) to the electrical grid") ///
    >     at recast(line) lwidth(*3) ciopts(recast(rline) lpattern(dash))     levels(95)
    >

210 .
    end of do-file

211 . do "/var/folders/1p/ktsylbts09n7c1cbjt351qpm0000gn/T//SD24459.000000"

212 . **************************
213 . *** Figure 5 - main text
214 . **************************
215 .
216 . ** The visual effect of evangelical churches on voter turnout (A), electoral compet
    > ition (B), electoral conservatism (C), and electoral polarization (D)
217 .
218 . *** To replicate the results ploted in Figure 5 (main text), use the file "df_LPT_i
    > grejas_outcomes.dta"
219 . use "/Users/victoraraujosilva/Library/CloudStorage/GoogleDrive-victor.asaraujo@alum
    > ni.usp.br/My Drive/Igrejas_political outcomes/psrm_materials/df_LPT_igrejas_outcome
    > s.dta",clear

220 .
    end of do-file
```

```
221 . do "/var/folders/1p/ktsylbts09n7c1cbjt351qpm0000gn/T//SD24459.000000"

222 . ****************************
223 . ** Outcome: Turnout
224 . ****************************
225 .
226 . ** Setting the work directory where the the figure will be saved
227 .
228 . cd "/Users/victoraraujosilva/Library/CloudStorage/GoogleDrive-victor.asaraujo@alumn
    > i.usp.br/My Drive/Igrejas_political outcomes/figures"
    /Users/victoraraujosilva/Library/CloudStorage/GoogleDrive-victor.asaraujo@alumni.usp.
    > br/My Drive/Igrejas_political outcomes/figures

229 .
230 . **Linear
231 . rdplot turnout light_00 if year >= 2004, c(85) p(1) level(90) ///
    >      graph_options(title("") ///
    >      ytitle("(A) turnout",size(medsmall)) ///
    >          xtitle("",size(medsmall)) ///
    >           legend(position(4) cols(1)) ///
    >           xline(85, lcolor(red) lpattern(dash) lwidth(medthin))) ///
    >           graphregion(color(white)) bgcolor(white) plotregion(margin(zero))

    Number of bins for RD estimates.
    Method: Mimicking Variance evenly spaced using spacings estimators.

                 Cutoff c = 85 | Left of c     Right of c
    ---------------------------+----------------------
         Number of observations |      13629          30770
               Polynomial order |          1              1
                   Chosen scale |      1.000          1.000
    ---------------------------+----------------------
                  Selected bins |        281            238
                     Bin length |      0.266          0.063
    ---------------------------+----------------------
              IMSE-optimal bins |          4              9
        Mimicking Variance bins |        281            238
    ---------------------------+----------------------
    Relative to IMSE-optimal:  |
                   Implied scale |     70.250         26.444
          WIMSE variance weight |      0.000          0.000
              WIMSE bias weight |      1.000          1.000
    ---------------------------+----------------------


232 . graph save turnout_linear.gph, replace
    file turnout_linear.gph saved

233 .
    end of do-file

234 . do "/var/folders/1p/ktsylbts09n7c1cbjt351qpm0000gn/T//SD24459.000000"

235 . *** Cubic
```

```
236 . rdplot turnout light_00 if year >= 2004, c(85) p(3) level(90) ///
    >      graph_options(title("") ///
    >      ytitle("",size(medsmall)) ///
    >          xtitle("",size(medsmall)) ///
    >           legend(position(4) cols(1)) ///
    >           xline(85, lcolor(red) lpattern(dash) lwidth(medthin))) ///
    >           graphregion(color(white)) bgcolor(white) plotregion(margin(zero))

    Number of bins for RD estimates.
    Method: Mimicking Variance evenly spaced using spacings estimators.

                 Cutoff c = 85 | Left of c     Right of c
    ---------------------------+---------------------------
         Number of observations |      13629          30770
               Polynomial order |          3              3
                   Chosen scale |      1.000          1.000
    ---------------------------+---------------------------
                  Selected bins |        281            238
                     Bin length |      0.266          0.063
    ---------------------------+---------------------------
              IMSE-optimal bins |         10             10
        Mimicking Variance bins |        281            238
    ---------------------------+---------------------------
    Relative to IMSE-optimal:  |
                   Implied scale |     28.100         23.800
          WIMSE variance weight |      0.000          0.000
              WIMSE bias weight |      1.000          1.000
    ---------------------------+---------------------------


237 . graph save turnout_cubic.gph, replace
    file turnout_cubic.gph saved

238 .
    end of do-file

239 . do "/var/folders/1p/ktsylbts09n7c1cbjt351qpm0000gn/T//SD24459.000000"

240 . ****************************
241 . ** Outcome: Competition
242 . ****************************
243 .
244 . ** Setting the work directory where the the figure will be saved
245 . cd "/Users/victoraraujosilva/Library/CloudStorage/GoogleDrive-victor.asaraujo@alumn
    > i.usp.br/My Drive/Igrejas_political outcomes/figures"
    /Users/victoraraujosilva/Library/CloudStorage/GoogleDrive-victor.asaraujo@alumni.usp.
    > br/My Drive/Igrejas_political outcomes/figures

246 .
247 . **Linear
248 . rdplot comp light_00 if year >= 2004, c(85) p(1) level(90) ///
    >      graph_options(title("") ///
    >      ytitle("(B) Competition",size(medsmall)) ///
    >          xtitle("",size(medsmall)) ///
```

```
>           legend(position(4) cols(1)) ///
>           xline(85, lcolor(red) lpattern(dash) lwidth(medthin))) ///
>           graphregion(color(white)) bgcolor(white) plotregion(margin(zero))

Number of bins for RD estimates.
Method: Mimicking Variance evenly spaced using spacings estimators.
```

Cutoff c = 85	Left of **c**	Right of **c**
Number of observations	**13628**	**30769**
Polynomial order	**1**	**1**
Chosen scale	**1.000**	**1.000**
Selected bins	**370**	**427**
Bin length	**0.202**	**0.035**
IMSE-optimal bins	**3**	**8**
Mimicking Variance bins	**370**	**427**
Relative to IMSE-optimal:		
Implied scale	**123.333**	**53.375**
WIMSE variance weight	**0.000**	**0.000**
WIMSE bias weight	**1.000**	**1.000**

```
249 . graph save comp_linear.gph, replace
    file comp_linear.gph saved

250 .
    end of do-file

251 . do "/var/folders/1p/ktsylbts09n7c1cbjt351qpm0000gn/T//SD24459.000000"

252 . *** Cubic
253 . rdplot comp light_00 if year >= 2004, c(85) p(3) level(90) ///
    >      graph_options(title("") ///
    >      ytitle("",size(medsmall)) ///
    >          xtitle("",size(medsmall)) ///
    >           legend(position(4) cols(1)) ///
    >           xline(85, lcolor(red) lpattern(dash) lwidth(medthin))) ///
    >           graphregion(color(white)) bgcolor(white) plotregion(margin(zero))

    Number of bins for RD estimates.
    Method: Mimicking Variance evenly spaced using spacings estimators.
```

Cutoff c = 85	Left of **c**	Right of **c**
Number of observations	**13628**	**30769**
Polynomial order	**3**	**3**
Chosen scale	**1.000**	**1.000**
Selected bins	**370**	**427**
Bin length	**0.202**	**0.035**

IMSE-optimal bins	**4**	**9**
Mimicking Variance bins	**370**	**427**
Relative to IMSE-optimal:		
Implied scale	**92.500**	**47.444**
WIMSE variance weight	**0.000**	**0.000**
WIMSE bias weight	**1.000**	**1.000**

```
254 . graph save comp_cubic.gph, replace
    file comp_cubic.gph saved

255 .
    end of do-file

256 . do "/var/folders/1p/ktsylbts09n7c1cbjt351qpm0000gn/T//SD24459.000000"

257 . ****************************
258 . ** Outcome: Conservatism
259 . ****************************
260 .
261 . ** Setting the work directory where the the figure will be saved
262 . cd "/Users/victoraraujosilva/Library/CloudStorage/GoogleDrive-victor.asaraujo@alumn
    > i.usp.br/My Drive/Igrejas_political outcomes/figures"
    /Users/victoraraujosilva/Library/CloudStorage/GoogleDrive-victor.asaraujo@alumni.usp.
    > br/My Drive/Igrejas_political outcomes/figures

263 .
264 . **Linear
265 . rdplot ideo_imp light_00 if year >= 2004, c(85) p(1) level(90) ///
    >      graph_options(title("") ///
    >      ytitle("(C) Conservatism",size(medsmall)) ///
    >          xtitle("",size(medsmall)) ///
    >           legend(position(4) cols(1)) ///
    >           xline(85, lcolor(red) lpattern(dash) lwidth(medthin))) ///
    >           graphregion(color(white)) bgcolor(white) plotregion(margin(zero))

    Number of bins for RD estimates.
    Method: Mimicking Variance evenly spaced using spacings estimators.
```

Cutoff c = 85	Left of **c**	Right of **c**
Number of observations	**13630**	**30771**
Polynomial order	**1**	**1**
Chosen scale	**1.000**	**1.000**
Selected bins	**321**	**367**
Bin length	**0.233**	**0.041**
IMSE-optimal bins	**5**	**6**
Mimicking Variance bins	**321**	**367**

```
Relative to IMSE-optimal:
              Implied scale |     64.200         61.167
      WIMSE variance weight |      0.000          0.000
          WIMSE bias weight |      1.000          1.000
----------------------------+-------------------------
```

```
266 . graph save conserv_linear.gph, replace
    file conserv_linear.gph saved

267 .
268 . *** Cubic
269 . rdplot ideo_imp light_00 if year >= 2004, c(85) p(3) level(90) ///
    >      graph_options(title("") ///
    >      ytitle("",size(medsmall)) ///
    >          xtitle("",size(medsmall)) ///
    >           legend(position(4) cols(1)) ///
    >           xline(85, lcolor(red) lpattern(dash) lwidth(medthin))) ///
    >           graphregion(color(white)) bgcolor(white) plotregion(margin(zero))

    Number of bins for RD estimates.
    Method: Mimicking Variance evenly spaced using spacings estimators.

              Cutoff c = 85 | Left of c     Right of c
----------------------------+-------------------------
     Number of observations |      13630          30771
           Polynomial order |          3              3
               Chosen scale |      1.000          1.000
----------------------------+-------------------------
               Selected bins |        321            367
                  Bin length |      0.233          0.041
----------------------------+-------------------------
          IMSE-optimal bins |          8              6
    Mimicking Variance bins |        321            367
----------------------------+-------------------------
Relative to IMSE-optimal:
              Implied scale |     40.125         61.167
      WIMSE variance weight |      0.000          0.000
          WIMSE bias weight |      1.000          1.000
----------------------------+-------------------------

270 . graph save conserv_cubic.gph, replace
    file conserv_cubic.gph saved

271 .
    end of do-file

272 . do "/var/folders/1p/ktsylbts09n7c1cbjt351qpm0000gn/T//SD24459.000000"

273 . ****************************
274 . ** Outcome: Polarization
275 . ****************************
276 .
```

```
277 . ** Setting the work directory where the the figure will be saved
278 . cd "/Users/victoraraujosilva/Library/CloudStorage/GoogleDrive-victor.asaraujo@alumn
    > i.usp.br/My Drive/Igrejas_political outcomes/figures"
    /Users/victoraraujosilva/Library/CloudStorage/GoogleDrive-victor.asaraujo@alumni.usp.
    > br/My Drive/Igrejas_political outcomes/figures

279 .
280 . **Linear
281 . rdplot pol_pi light_00 if year >= 2004, c(85) p(1) level(90) ///
    >      graph_options(title("") ///
    >      ytitle("(D) Polarization",size(medsmall)) ///
    >          xtitle("",size(medsmall)) ///
    >           legend(position(4) cols(1)) ///
    >           xline(85, lcolor(red) lpattern(dash) lwidth(medthin))) ///
    >           graphregion(color(white)) bgcolor(white) plotregion(margin(zero))

    Number of bins for RD estimates.
    Method: Mimicking Variance evenly spaced using spacings estimators.

                  Cutoff c = 85 | Left of c     Right of c
    ------------------------------+------------------------
         Number of observations |      13630          30771
               Polynomial order |          1              1
                   Chosen scale |      1.000          1.000
    ------------------------------+------------------------
                   Selected bins |        316            387
                      Bin length |      0.236          0.039
    ------------------------------+------------------------
              IMSE-optimal bins |          6              4
        Mimicking Variance bins |        316            387
    ------------------------------+------------------------
    Relative to IMSE-optimal:     |
                   Implied scale |     52.667         96.750
          WIMSE variance weight |      0.000          0.000
              WIMSE bias weight |      1.000          1.000
    ------------------------------+------------------------

282 .   graph save pol_linear.gph, replace
    file pol_linear.gph saved

283 .
284 . *** Cubic
285 . rdplot pol_pi light_00 if year >= 2004, c(85) p(3) level(90) ///
    >      graph_options(title("") ///
    >      ytitle("",size(medsmall)) ///
    >          xtitle("",size(medsmall)) ///
    >           legend(position(4) cols(1)) ///
    >           xline(85, lcolor(red) lpattern(dash) lwidth(medthin))) ///
    >           graphregion(color(white)) bgcolor(white) plotregion(margin(zero))

    Number of bins for RD estimates.
    Method: Mimicking Variance evenly spaced using spacings estimators.
```

Cutoff c = 85	Left of **c**	Right of **c**
Number of observations	**13630**	**30771**
Polynomial order	**3**	**3**
Chosen scale	**1.000**	**1.000**
Selected bins	**316**	**387**
Bin length	**0.236**	**0.039**
IMSE-optimal bins	**7**	**7**
Mimicking Variance bins	**316**	**387**
Relative to IMSE-optimal:		
Implied scale	**45.143**	**55.286**
WIMSE variance weight	**0.000**	**0.000**
WIMSE bias weight	**1.000**	**1.000**

```
286 . graph save pol_cubic.gph, replace
    file pol_cubic.gph saved

287 .
    end of do-file

288 . do "/var/folders/1p/ktsylbts09n7c1cbjt351qpm0000gn/T//SD24459.000000"

289 . ** Once again, please make sure to set the correct directory where the gph figures
    > have been saved
290 .
291 . graph combine turnout_linear.gph turnout_cubic.gph ///
    >       comp_linear.gph comp_cubic.gph ///
    >           conserv_linear.gph conserv_cubic.gph ///
    >           pol_linear.gph pol_cubic.gph, ///
    >           cols(2) rows (6) xcommon iscale(.5)

292 .
293 . graph save combine_reduced_form.gph, replace
    file combine_reduced_form.gph saved

294 .
    end of do-file

295 . do "/var/folders/1p/ktsylbts09n7c1cbjt351qpm0000gn/T//SD24459.000000"

296 . ******************
297 . *** Figure 6: BW est. (h) sensitiveness of reduced form estimates
298 . ******************
299 .
300 .   ** The code below returns the estimates used to create the following CSVs:
301 .
302 .      * bw_sensitiveness_turnout.csv
303 .          * bw_sensitiveness_competition.csv
304 .          * bw_sensitiveness_conservatism.csv
```

```
305 .          * bw_sensitiveness_polarization.csv
306 .
307 .
308 . ** You should use these CSV files in combination with the file "R_plots_psrm" to re
    > plicate the Figure 6 as it appears in the main text
309 .
310 .
311 . *** To replicate the estimates used to create Figure 6 in the main text, use the fi
    > le "df_LPT_igrejas_outcomes.dta"
312 . use "/Users/victoraraujosilva/Library/CloudStorage/GoogleDrive-victor.asaraujo@alum
    > ni.usp.br/My Drive/Igrejas_political outcomes/psrm_materials/df_LPT_igrejas_outcome
    > s.dta",clear

313 .
    end of do-file

314 . do "/var/folders/1p/ktsylbts09n7c1cbjt351qpm0000gn/T//SD24459.000000"

315 . ** Outcome: Turnout
316 . rdrobust turnout margins if year >= 2004, c(0) fuzzy(all_100) h(6.045)
    Preparing data.
    Computing variance-covariance matrix.
    Computing RD estimates.
    Estimation completed.

    Sharp RD estimates using local polynomial regression.

            Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
    > 3
    ---------------------+----------------------              NN matches    =
    > 3
           Number of obs |      2739        3901              BW type       =     Manua
    > l
     Order loc. poly. (p) |         1           1              Kernel type   = Triangula
    > r
           Order bias (q) |         2           2
        BW loc. poly. (h) |     6.045       6.045
              BW bias (b) |     6.045       6.045
                rho (h/b) |     1.000       1.000

    Structural Estimates. Outcome: turnout. Running variable: margins. Instrument: all_10
    > 0.
    ---------------------+------------------------------------------------------------
    > -
                  Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
    > ]
    ---------------------+------------------------------------------------------------
    > -
           Conventional |  -.00388    .00202    -1.9214   0.055      -.007836    .00007
    > 8
                 Robust |      -         -      -2.3102   0.021      -.012447   -.00102
    > 1
    ---------------------+------------------------------------------------------------
    > -
```

First-Stage Estimates. Outcome: all_100. Running variable: margins.

```
> ─
               Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
         Conventional │  -2.9151    1.1828    -2.4647   0.014      -5.23334   -.59695
> 6
               Robust │      -         -      -1.5771   0.115      -6.09372     .6595
> 2
──────────────────────┴──────────────────────────────────────────────────────────────
> ─
```

```
317 . rdrobust turnout margins if year >= 2004, c(0) fuzzy(all_100) h(6.145)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 3
─────────────────────┼──────────────────────              NN matches    =
> 3
       Number of obs |      2771        3980              BW type       =     Manua
> l
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     6.145       6.145
          BW bias (b) |     6.145       6.145
            rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: turnout. Running variable: margins. Instrument: all_10
> 0.
──────────────────────┬──────────────────────────────────────────────────────────────
> ─
               Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
         Conventional │ -.00389    .00201    -1.9301   0.054      -.007837     .0000
> 6
               Robust │      -         -      -2.2511   0.024      -.012264   -.00084
> 8
──────────────────────┴──────────────────────────────────────────────────────────────
> ─

First-Stage Estimates. Outcome: all_100. Running variable: margins.
──────────────────────┬──────────────────────────────────────────────────────────────
```

```
> ─
               Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
         Conventional │ -2.9005    1.1721    -2.4745   0.013      -5.19789   -.60314
> 5
               Robust │      -         -      -1.6114   0.107      -6.10673    .59597
> 6
──────────────────────┴──────────────────────────────────────────────────────────────
> ─
```

```
318 . rdrobust turnout margins if year >= 2004, c(0) fuzzy(all_100) h(6.245)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 │ Left of c  Right of c              Number of obs =      3879
> 3
──────────────────────┼──────────────────────              NN matches    =
> 3
        Number of obs │      2843        4043              BW type       =     Manua
> l
 Order loc. poly. (p) │         1           1              Kernel type   = Triangula
> r
       Order bias (q) │         2           2
    BW loc. poly. (h) │     6.245       6.245
          BW bias (b) │     6.245       6.245
            rho (h/b) │     1.000       1.000

Structural Estimates. Outcome: turnout. Running variable: margins. Instrument: all_10
> 0.
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
               Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
         Conventional │ -.00388      .002    -1.9446   0.052      -.007794    .00003
> 1
               Robust │      -         -      -2.2176   0.027      -.012066   -.00074
> 4
──────────────────────┴──────────────────────────────────────────────────────────────
> ─

First-Stage Estimates. Outcome: all_100. Running variable: margins.
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
               Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
```

```
---------------------+------------------------------------------------------------
> -
        Conventional |     -2.9    1.1617    -2.4963   0.013      -5.17685   -.62308
> 7
              Robust |      -         -      -1.6286   0.103       -6.0901    .56226
> 1
---------------------+------------------------------------------------------------
> -
```

```
319 . rdrobust turnout margins if year >= 2004, c(0) fuzzy(all_100) h(6.345)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

        Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 3
---------------------+----------------------              NN matches    =
> 3
       Number of obs |      2883        4123              BW type       =     Manua
> l
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
      Order bias (q) |         2           2
   BW loc. poly. (h) |     6.345       6.345
         BW bias (b) |     6.345       6.345
           rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: turnout. Running variable: margins. Instrument: all_10
> 0.
---------------------+------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
---------------------+------------------------------------------------------------
> -
        Conventional |  -.00385    .00196    -1.9630   0.050      -.007697   -6.0e-0
> 6
              Robust |      -         -      -2.2152   0.027      -.011867   -.00072
> 6
---------------------+------------------------------------------------------------
> -

First-Stage Estimates. Outcome: all_100. Running variable: margins.
---------------------+------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
---------------------+------------------------------------------------------------
> -
        Conventional |  -2.9135    1.1516    -2.5300   0.011      -5.17051   -.65641
```

```
> 8
               Robust │      -         -      -1.6311   0.103      -6.04966    .55401
> 1
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
```

```
320 . rdrobust turnout margins if year >= 2004, c(0) fuzzy(all_100) h(6.445)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 │ Left of c  Right of c              Number of obs =      3879
> 3
──────────────────────┼──────────────────────              NN matches    =
> 3
       Number of obs │      2915        4202              BW type       =     Manua
> l
 Order loc. poly. (p) │         1           1              Kernel type   = Triangula
> r
       Order bias (q) │         2           2
    BW loc. poly. (h) │     6.445       6.445
          BW bias (b) │     6.445       6.445
            rho (h/b) │     1.000       1.000

Structural Estimates. Outcome: turnout. Running variable: margins. Instrument: all_10
> 0.
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
               Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
         Conventional │  -.00383    .00194    -1.9752   0.048      -.007628    -.0000
> 3
               Robust │      -         -      -2.2030   0.028      -.011701   -.00068
> 3
──────────────────────┼──────────────────────────────────────────────────────────────
> ─

First-Stage Estimates. Outcome: all_100. Running variable: margins.
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
               Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
         Conventional │  -2.9158    1.1417    -2.5539   0.011      -5.15352   -.67810
> 9
               Robust │      -         -      -1.6462   0.100      -6.03118    .52477
> 6
```

```
                    |
> —
```

```
321 . rdrobust turnout margins if year >= 2004, c(0) fuzzy(all_100) h(6.545)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 3
                      |                                    NN matches    =
> 3
        Number of obs |      2931        4298              BW type       =     Manua
> l
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     6.545       6.545
          BW bias (b) |     6.545       6.545
            rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: turnout. Running variable: margins. Instrument: all_10
> 0.
                    |
> —
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
                    |
> —
        Conventional |  -.00385    .00195    -1.9788   0.048      -.007664   -.00003
> 7
              Robust |      -         -      -2.1388   0.032      -.011576   -.00050
> 5
                    |
> —

First-Stage Estimates. Outcome: all_100. Running variable: margins.
                    |
> —
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
                    |
> —
        Conventional |  -2.8912    1.1322    -2.5537   0.011       -5.1102   -.67220
> 9
              Robust |      -         -      -1.6905   0.091      -6.06219    .44747
> 8
                    |
> —
```

```
322 . rdrobust turnout margins if year >= 2004, c(0) fuzzy(all_100) h(6.645)
    Preparing data.
    Computing variance-covariance matrix.
    Computing RD estimates.
    Estimation completed.

    Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
    > 3
    ---------------------+----------------------              NN matches    =
    > 3
           Number of obs |      2979        4346              BW type       =     Manua
    > l
     Order loc. poly. (p) |         1           1              Kernel type   = Triangula
    > r
           Order bias (q) |         2           2
        BW loc. poly. (h) |     6.645       6.645
              BW bias (b) |     6.645       6.645
                rho (h/b) |     1.000       1.000

    Structural Estimates. Outcome: turnout. Running variable: margins. Instrument: all_10
    > 0.
    ---------------------+------------------------------------------------------------------
    > -
                  Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
    > ]
    ---------------------+------------------------------------------------------------------
    > -
            Conventional |  -.00388    .00196    -1.9834   0.047      -.007714   -.00004
    > 6
                  Robust |      -         -      -2.0715   0.038      -.011459   -.00031
    > 7
    ---------------------+------------------------------------------------------------------
    > -

    First-Stage Estimates. Outcome: all_100. Running variable: margins.
    ---------------------+------------------------------------------------------------------
    > -
                  Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
    > ]
    ---------------------+------------------------------------------------------------------
    > -
            Conventional |  -2.8663     1.123    -2.5523   0.011      -5.06743   -.66519
    > 7
                  Robust |      -         -      -1.7318   0.083      -6.08948    .37633
    > 6
    ---------------------+------------------------------------------------------------------
    > -

323 . rdrobust turnout margins if year >= 2004, c(0) fuzzy(all_100) h(6.745)
    Preparing data.
```

```
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 3
----------------------+----------------------              NN matches    =
> 3
        Number of obs |      3003        4402              BW type       =     Manua
> l
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     6.745       6.745
          BW bias (b) |     6.745       6.745
            rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: turnout. Running variable: margins. Instrument: all_10
> 0.
----------------------+-------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
----------------------+-------------------------------------------------------------
> -
        Conventional |  -.00389    .00196    -1.9908   0.046      -.007726    -.0000
> 6
              Robust |      -         -      -2.0285   0.043      -.011346   -.00019
> 5
----------------------+-------------------------------------------------------------
> -

First-Stage Estimates. Outcome: all_100. Running variable: margins.
----------------------+-------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
----------------------+-------------------------------------------------------------
> -
        Conventional |  -2.8526    1.1146    -2.5594   0.010      -5.03714   -.66811
> 7
              Robust |      -         -      -1.7579   0.079      -6.09477    .33124
> 2
----------------------+-------------------------------------------------------------
> -

324 . rdrobust turnout margins if year >= 2004, c(0) fuzzy(all_100) h(6.845)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.
```

```
Sharp RD estimates using local polynomial regression.

        Cutoff c = 0 | Left of c  Right of c             Number of obs =      3879
> 3
---------------------+----------------------             NN matches    =
> 3
       Number of obs |      3019        4498             BW type       =     Manua
> l
 Order loc. poly. (p) |         1           1             Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     6.845       6.845
          BW bias (b) |     6.845       6.845
            rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: turnout. Running variable: margins. Instrument: all_10
> 0.
---------------------+------------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
---------------------+------------------------------------------------------------------
> -
        Conventional |  -.00391    .00195    -2.0021   0.045      -.007735   -.00008
> 2
              Robust |      -         -      -1.9889   0.047      -.011224   -.00008
> 2
---------------------+------------------------------------------------------------------
> -

First-Stage Estimates. Outcome: all_100. Running variable: margins.
---------------------+------------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
---------------------+------------------------------------------------------------------
> -
        Conventional |  -2.8442    1.1063    -2.5709   0.010      -5.01242   -.67590
> 4
              Robust |      -         -      -1.7777   0.075      -6.08895    .29689
> 7
---------------------+------------------------------------------------------------------
> -
```

```
325 . rdrobust turnout margins if year >= 2004, c(0) fuzzy(all_100) h(6.945)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.
```

```
        Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 3
---------------------+----------------------              NN matches    =
> 3
       Number of obs |      3066        4585              BW type       =     Manua
> l
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     6.945       6.945
          BW bias (b) |     6.945       6.945
            rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: turnout. Running variable: margins. Instrument: all_10
> 0.
---------------------+------------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
---------------------+------------------------------------------------------------------
> -
        Conventional |   -.0039    .00193    -2.0232   0.043       -.00767   -.00012
> 2
              Robust |      -         -      -1.9888   0.047       -.01108   -.00008
> 1
---------------------+------------------------------------------------------------------
> -

First-Stage Estimates. Outcome: all_100. Running variable: margins.
---------------------+------------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
---------------------+------------------------------------------------------------------
> -
        Conventional |  -2.8588    1.0981    -2.6034   0.009      -5.01115   -.70652
> 8
              Robust |      -         -      -1.7716   0.076      -6.04046    .30487
> 7
---------------------+------------------------------------------------------------------
> -

326 . rdrobust turnout margins if year >= 2004, c(0) fuzzy(all_100) h(7.045)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

        Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 3
---------------------+----------------------              NN matches    =
```

```
> 3
        Number of obs |      3090        4657              BW type       =     Manua
> l
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     7.045       7.045
          BW bias (b) |     7.045       7.045
            rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: turnout. Running variable: margins. Instrument: all_10
> 0.
----------------------+-------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
----------------------+-------------------------------------------------------------
> -
        Conventional |  -.00388     .0019    -2.0422   0.041      -.007605   -.00015
> 6
              Robust |      -         -      -1.9906   0.047      -.010945   -.00008
> 5
----------------------+-------------------------------------------------------------
> -

First-Stage Estimates. Outcome: all_100. Running variable: margins.
----------------------+-------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
----------------------+-------------------------------------------------------------
> -
        Conventional |  -2.8712    1.0901    -2.6340   0.008      -5.00778   -.73472
> 2
              Robust |      -         -      -1.7698   0.077       -5.9984    .30589
> 1
----------------------+-------------------------------------------------------------
> -

327 . rdrobust turnout margins if year >= 2004, c(0) fuzzy(all_100) h(7.145)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 3
----------------------+----------------------              NN matches    =
> 3
        Number of obs |      3113        4776              BW type       =     Manua
> l
```

```
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     7.145       7.145
          BW bias (b) |     7.145       7.145
            rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: turnout. Running variable: margins. Instrument: all_10
> 0.
---------------------+--------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
---------------------+--------------------------------------------------------------
> -
        Conventional |  -.00388    .00188    -2.0577   0.040      -.007569   -.00018
> 4
              Robust |      -         -      -1.9780   0.048      -.010823    -.0000
> 5
---------------------+--------------------------------------------------------------
> -

First-Stage Estimates. Outcome: all_100. Running variable: margins.
---------------------+--------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
---------------------+--------------------------------------------------------------
> -
        Conventional |  -2.8752    1.0823    -2.6566   0.008      -4.99642   -.75396
> 1
              Robust |      -         -      -1.7787   0.075      -5.97441    .28972
> 6
---------------------+--------------------------------------------------------------
> -


328 . rdrobust turnout margins if year >= 2004, c(0) fuzzy(all_100) h(7.245)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 3
---------------------+----------------------              NN matches    =
> 3
       Number of obs |      3136        4886              BW type       =     Manua
> l
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
```

```
    BW loc. poly. (h) |     7.245       7.245
          BW bias (b) |     7.245       7.245
            rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: turnout. Running variable: margins. Instrument: all_10
> 0.
---------------------+--------------------------------------------------------------
> -
                Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
---------------------+--------------------------------------------------------------
> -
          Conventional |  -.00388    .00188    -2.0682   0.039      -.007565   -.00020
> 3
                Robust |      -         -      -1.9512   0.051       -.01072    .00002
> 4
---------------------+--------------------------------------------------------------
> -

First-Stage Estimates. Outcome: all_100. Running variable: margins.
---------------------+--------------------------------------------------------------
> -
                Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
---------------------+--------------------------------------------------------------
> -
          Conventional |  -2.8682    1.0744    -2.6696   0.008      -4.97407   -.76243
> 1
                Robust |      -         -      -1.8010   0.072      -5.97002    .25225
> 1
---------------------+--------------------------------------------------------------
> -


329 . rdrobust turnout margins if year >= 2004, c(0) fuzzy(all_100) h(7.345)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

          Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 3
---------------------+------------------------              NN matches    =
> 3
         Number of obs |      3184        4982              BW type       =     Manua
> l
  Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
        Order bias (q) |         2           2
    BW loc. poly. (h)  |     7.345       7.345
          BW bias (b)  |     7.345       7.345
            rho (h/b)  |     1.000       1.000
```

```
Structural Estimates. Outcome: turnout. Running variable: margins. Instrument: all_10
> 0.
─────────────────────┬──────────────────────────────────────────────────────────────
> ─
              Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
        Conventional │  -.00387    .00186    -2.0776   0.038      -.007527   -.00021
> 9
              Robust │      -         -      -1.9461   0.052       -.01063    .00003
> 8
─────────────────────┴──────────────────────────────────────────────────────────────
> ─

First-Stage Estimates. Outcome: all_100. Running variable: margins.
─────────────────────┬──────────────────────────────────────────────────────────────
> ─
              Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
        Conventional │  -2.8651    1.0664    -2.6868   0.007      -4.95511   -.77504
> 9
              Robust │      -         -      -1.8186   0.069      -5.95518     .2228
> 2
─────────────────────┴──────────────────────────────────────────────────────────────
> ─
```

```
330 . rdrobust turnout margins if year >= 2004, c(0) fuzzy(all_100) h(7.445)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 3
─────────────────────┼──────────────────────              NN matches    =
> 3
        Number of obs |      3224        5102              BW type       =     Manua
> l
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     7.445       7.445
          BW bias (b) |     7.445       7.445
            rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: turnout. Running variable: margins. Instrument: all_10
> 0.
```

```
--------------------------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
--------------------------------------------------------------------------------
> -
        Conventional |  -.00385    .00184    -2.0916   0.036      -.007452   -.00024
> 2
              Robust |      -         -      -1.9625   0.050      -.010531   -6.9e-0
> 6
--------------------------------------------------------------------------------
> -

First-Stage Estimates. Outcome: all_100. Running variable: margins.
--------------------------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
--------------------------------------------------------------------------------
> -
        Conventional |  -2.8731    1.0583    -2.7149   0.007      -4.94733   -.79892
> 5
              Robust |      -         -      -1.8228   0.068      -5.91872    .21463
> 7
--------------------------------------------------------------------------------
> -


331 . rdrobust turnout margins if year >= 2004, c(0) fuzzy(all_100) h(7.545)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

        Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 3
---------------------+----------------------              NN matches    =
> 3
       Number of obs |      3240        5229              BW type       =     Manua
> l
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
      Order bias (q) |         2           2
   BW loc. poly. (h) |     7.545       7.545
         BW bias (b) |     7.545       7.545
           rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: turnout. Running variable: margins. Instrument: all_10
> 0.
--------------------------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
```

```
> ]
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
        Conventional │  -.00382    .00181    -2.1048   0.035      -.007376   -.00026
> 3
              Robust │      -         -      -1.9809   0.048       -.01044   -.00005
> 5
─────────────────────┼──────────────────────────────────────────────────────────────
> ─

First-Stage Estimates. Outcome: all_100. Running variable: margins.
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
              Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
        Conventional │   -2.881    1.0504    -2.7428   0.006      -4.93978   -.82231
> 6
              Robust │      -         -      -1.8275   0.068       -5.8844    .20587
> 2
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
```

```
332 . rdrobust turnout margins if year >= 2004, c(0) fuzzy(all_100) h(7.645)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 3
─────────────────────┼──────────────────────              NN matches    =
> 3
       Number of obs |      3280        5349              BW type       =     Manua
> l
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     7.645       7.645
          BW bias (b) |     7.645       7.645
            rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: turnout. Running variable: margins. Instrument: all_10
> 0.
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
              Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
```

```
         Conventional |  -.00378    .00178    -2.1214   0.034      -.007281   -.00028
> 8
               Robust |      -         -      -2.0099   0.044      -.010341    -.0001
> 3
----------------------+-------------------------------------------------------------
> -

First-Stage Estimates. Outcome: all_100. Running variable: margins.
----------------------+-------------------------------------------------------------
> -
               Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
----------------------+-------------------------------------------------------------
> -
         Conventional |  -2.8964    1.0426    -2.7780   0.005      -4.93991   -.85291
> 4
               Robust |      -         -      -1.8240   0.068      -5.83825    .20980
> 8
----------------------+-------------------------------------------------------------
> -
```

```
333 . *** Baseline: automatic BW selection
334 . rdrobust turnout margins if year >= 2004, c(0) fuzzy(all_100) h(7.745)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 3
----------------------+----------------------              NN matches    =
> 3
        Number of obs |      3311        5476              BW type       =     Manua
> l
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     7.745       7.745
          BW bias (b) |     7.745       7.745
            rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: turnout. Running variable: margins. Instrument: all_10
> 0.
----------------------+-------------------------------------------------------------
> -
               Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
----------------------+-------------------------------------------------------------
> -
         Conventional |  -.00376    .00176    -2.1349   0.033      -.007221   -.00030
> 9
```

```
                Robust │      -         -      -2.0172   0.044      -.010243   -.00014
> 7
──────────────────────┼──────────────────────────────────────────────────────────────────
> ─

First-Stage Estimates. Outcome: all_100. Running variable: margins.
──────────────────────┼──────────────────────────────────────────────────────────────────
> ─
                Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
──────────────────────┼──────────────────────────────────────────────────────────────────
> ─
         Conventional │  -2.9021    1.0349    -2.8043   0.005      -4.93036   -.87374
> 4
                Robust │      -         -      -1.8345   0.067      -5.81357    .19230
> 2
──────────────────────┼──────────────────────────────────────────────────────────────────
> ─

335 . rdrobust turnout margins if year >= 2004, c(0) fuzzy(all_100) h(7.845)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 │ Left of c  Right of c              Number of obs =      3879
> 3
─────────────────────┼──────────────────────              NN matches    =
> 3
        Number of obs │      3343        5556              BW type       =     Manua
> l
 Order loc. poly. (p) │         1           1              Kernel type   = Triangula
> r
       Order bias (q) │         2           2
    BW loc. poly. (h) │     7.845       7.845
          BW bias (b) │     7.845       7.845
            rho (h/b) │     1.000       1.000

Structural Estimates. Outcome: turnout. Running variable: margins. Instrument: all_10
> 0.
──────────────────────┼──────────────────────────────────────────────────────────────────
> ─
                Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
──────────────────────┼──────────────────────────────────────────────────────────────────
> ─
         Conventional │  -.00373    .00174    -2.1479   0.032      -.007141   -.00032
> 7
                Robust │      -         -      -2.0385   0.041      -.010153   -.00019
> 9
──────────────────────┼──────────────────────────────────────────────────────────────────
```

```
> —

First-Stage Estimates. Outcome: all_100. Running variable: margins.
────────────────────┬──────────────────────────────────────────────────────────────
> —
              Method │    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
────────────────────┼──────────────────────────────────────────────────────────────
> —
        Conventional │  -2.9117    1.0274    -2.8341   0.005      -4.92534   -.89804
> 8
              Robust │      -         -      -1.8395   0.066      -5.78254     .1833
> 9
────────────────────┴──────────────────────────────────────────────────────────────
> —


336 . rdrobust turnout margins if year >= 2004, c(0) fuzzy(all_100) h(7.945)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

        Cutoff c = 0 │ Left of c  Right of c              Number of obs =      3879
> 3
────────────────────┼────────────────────              NN matches    =
> 3
       Number of obs │      3351        5652              BW type       =     Manua
> l
 Order loc. poly. (p) │         1           1              Kernel type   = Triangula
> r
      Order bias (q) │         2           2
   BW loc. poly. (h) │     7.945       7.945
         BW bias (b) │     7.945       7.945
           rho (h/b) │     1.000       1.000

Structural Estimates. Outcome: turnout. Running variable: margins. Instrument: all_10
> 0.
────────────────────┬──────────────────────────────────────────────────────────────
> —
              Method │    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
────────────────────┼──────────────────────────────────────────────────────────────
> —
        Conventional │   -.0037    .00171    -2.1627   0.031      -.007045   -.00034
> 6
              Robust │      -         -      -2.0700   0.038      -.010064   -.00027
> 5
────────────────────┴──────────────────────────────────────────────────────────────
> —

First-Stage Estimates. Outcome: all_100. Running variable: margins.
```

```
------------------------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
------------------------------------------------------------------------------
> -
        Conventional |  -2.9275    1.0204    -2.8691   0.004      -4.92739   -.92762
> 1
              Robust |      -         -      -1.8368   0.066      -5.74326    .18630
> 9
------------------------------------------------------------------------------
> -
```

```
337 . rdrobust turnout margins if year >= 2004, c(0) fuzzy(all_100) h(8.045)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

        Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 3
---------------------+----------------------              NN matches    =
> 3
       Number of obs |      3375        5756              BW type       =     Manua
> l
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
      Order bias (q) |         2           2
   BW loc. poly. (h) |     8.045       8.045
         BW bias (b) |     8.045       8.045
           rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: turnout. Running variable: margins. Instrument: all_10
> 0.
------------------------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
------------------------------------------------------------------------------
> -
        Conventional |  -.00366    .00168    -2.1800   0.029      -.006952    -.0003
> 7
              Robust |      -         -      -2.1002   0.036      -.009968   -.00034
> 4
------------------------------------------------------------------------------
> -

First-Stage Estimates. Outcome: all_100. Running variable: margins.
------------------------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
```

```
> ]
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
        Conventional │  -2.9464    1.0136    -2.9069   0.004        -4.933   -.95979
> 3
              Robust │      -         -      -1.8313   0.067      -5.70101    .19342
> 9
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
```

```
338 . rdrobust turnout margins if year >= 2004, c(0) fuzzy(all_100) h(8.145)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 3
─────────────────────┼──────────────────────              NN matches    =
> 3
       Number of obs |      3399        5836              BW type       =     Manua
> l
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     8.145       8.145
          BW bias (b) |     8.145       8.145
            rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: turnout. Running variable: margins. Instrument: all_10
> 0.
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
              Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
        Conventional |  -.00363    .00165    -2.1975   0.028      -.006872   -.00039
> 3
              Robust |      -         -      -2.1232   0.034       -.00987   -.00039
> 5
─────────────────────┼──────────────────────────────────────────────────────────────
> ─

First-Stage Estimates. Outcome: all_100. Running variable: margins.
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
              Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
```

```
          Conventional |  -2.9637     1.007    -2.9429   0.003      -4.93741   -.98989
> 6
                Robust |      -         -      -1.8284   0.067      -5.66364    .19668
> 3
-----------------------+------------------------------------------------------------
> —
```

```
339 . rdrobust turnout margins if year >= 2004, c(0) fuzzy(all_100) h(8.245)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

          Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 3
-----------------------+------------------------              NN matches    =
> 3
        Number of obs |      3455        5940              BW type       =     Manua
> l
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     8.245       8.245
          BW bias (b) |     8.245       8.245
            rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: turnout. Running variable: margins. Instrument: all_10
> 0.
-----------------------+------------------------------------------------------------
> —
                Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
-----------------------+------------------------------------------------------------
> —
          Conventional |  -.00359    .00162    -2.2157   0.027      -.006773   -.00041
> 5
                Robust |      -         -      -2.1586   0.031      -.009771   -.00047
> 1
-----------------------+------------------------------------------------------------
> —

First-Stage Estimates. Outcome: all_100. Running variable: margins.
-----------------------+------------------------------------------------------------
> —
                Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
-----------------------+------------------------------------------------------------
> —
          Conventional |  -2.9864    1.0007    -2.9844   0.003      -4.94761   -1.0250
> 9
                Robust |      -         -      -1.8195   0.069      -5.61792    .20883
```

```
> 8
────────────────────┴────────────────────────────────────────────────────────────
> ─


340 . rdrobust turnout margins if year >= 2004, c(0) fuzzy(all_100) h(8.345)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 │ Left of c  Right of c              Number of obs =      3879
> 3
────────────────────┼─────────────────────              NN matches    =
> 3
        Number of obs │      3495        6060              BW type       =     Manua
> l
 Order loc. poly. (p) │         1           1              Kernel type   = Triangula
> r
       Order bias (q) │         2           2
    BW loc. poly. (h) │     8.345       8.345
          BW bias (b) │     8.345       8.345
            rho (h/b) │     1.000       1.000

Structural Estimates. Outcome: turnout. Running variable: margins. Instrument: all_10
> 0.
────────────────────┴────────────────────────────────────────────────────────────
> ─
              Method │    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
────────────────────┼────────────────────────────────────────────────────────────
> ─
        Conventional │  -.00352    .00157    -2.2412   0.025      -.006605   -.00044
> 2
              Robust │      -         -      -2.2378   0.025      -.009652   -.00063
> 9
────────────────────┴────────────────────────────────────────────────────────────
> ─

First-Stage Estimates. Outcome: all_100. Running variable: margins.
────────────────────┴────────────────────────────────────────────────────────────
> ─
              Method │    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
────────────────────┼────────────────────────────────────────────────────────────
> ─
        Conventional │  -3.0323    .99418    -3.0501   0.002      -4.98087   -1.0837
> 7
              Robust │      -         -      -1.7851   0.074      -5.53302    .25827
> 4
────────────────────┴────────────────────────────────────────────────────────────
> ─
```

```
341 . rdrobust turnout margins if year >= 2004, c(0) fuzzy(all_100) h(8.445)
    Preparing data.
    Computing variance-covariance matrix.
    Computing RD estimates.
    Estimation completed.

    Sharp RD estimates using local polynomial regression.

            Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
    > 3
    ---------------------+----------------------              NN matches    =
    > 3
           Number of obs |      3511        6164              BW type       =     Manua
    > l
     Order loc. poly. (p) |         1           1              Kernel type   = Triangula
    > r
           Order bias (q) |         2           2
        BW loc. poly. (h) |     8.445       8.445
              BW bias (b) |     8.445       8.445
                rho (h/b) |     1.000       1.000

    Structural Estimates. Outcome: turnout. Running variable: margins. Instrument: all_10
    > 0.
    ---------------------+------------------------------------------------------------------
    > -
                  Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
    > ]
    ---------------------+------------------------------------------------------------------
    > -
           Conventional |  -.00345    .00152    -2.2676   0.023      -.006423   -.00046
    > 7
                 Robust |      -         -      -2.3282   0.020      -.009525   -.00081
    > 8
    ---------------------+------------------------------------------------------------------
    > -

    First-Stage Estimates. Outcome: all_100. Running variable: margins.
    ---------------------+------------------------------------------------------------------
    > -
                  Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
    > ]
    ---------------------+------------------------------------------------------------------
    > -
           Conventional |  -3.0853    .98788    -3.1232   0.002      -5.02153   -1.1491
    > 2
                 Robust |      -         -      -1.7442   0.081      -5.44007    .31688
    > 7
    ---------------------+------------------------------------------------------------------
    > -

342 . rdrobust turnout margins if year >= 2004, c(0) fuzzy(all_100) h(8.545)
```

```
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

        Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 3
---------------------+----------------------              NN matches    =
> 3
       Number of obs |      3519        6268              BW type       =     Manua
> l
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     8.545       8.545
          BW bias (b) |     8.545       8.545
            rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: turnout. Running variable: margins. Instrument: all_10
> 0.
---------------------+------------------------------------------------------------------
> -
             Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
---------------------+------------------------------------------------------------------
> -
       Conventional |  -.00338    .00147    -2.2958   0.022      -.006264   -.00049
> 4
             Robust |      -          -      -2.4039   0.016      -.009391   -.00095
> 5
---------------------+------------------------------------------------------------------
> -

First-Stage Estimates. Outcome: all_100. Running variable: margins.
---------------------+------------------------------------------------------------------
> -
             Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
---------------------+------------------------------------------------------------------
> -
       Conventional | -3.1375    .98185    -3.1955   0.001       -5.0619   -1.2131
> 4
             Robust |      -          -      -1.7066   0.088      -5.35435    .36996
> 5
---------------------+------------------------------------------------------------------
> -

343 . rdrobust turnout margins if year >= 2004, c(0) fuzzy(all_100) h(8.645)
    Preparing data.
    Computing variance-covariance matrix.
    Computing RD estimates.
```

```
Estimation completed.

Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 3
----------------------+----------------------              NN matches    =
> 3
        Number of obs |      3527        6356              BW type       =     Manua
> l
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     8.645       8.645
          BW bias (b) |     8.645       8.645
            rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: turnout. Running variable: margins. Instrument: all_10
> 0.
----------------------+-------------------------------------------------------------
> -
               Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
----------------------+-------------------------------------------------------------
> -
         Conventional |  -.00332    .00143    -2.3208   0.020      -.006123   -.00051
> 6
               Robust |      -         -      -2.4693   0.014      -.009264   -.00106
> 5
----------------------+-------------------------------------------------------------
> -

First-Stage Estimates. Outcome: all_100. Running variable: margins.
----------------------+-------------------------------------------------------------
> -
               Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
----------------------+-------------------------------------------------------------
> -
         Conventional |  -3.1846    .97614    -3.2625   0.001      -5.09783   -1.2714
> 2
               Robust |      -         -      -1.6778   0.093      -5.28384    .40987
> 5
----------------------+-------------------------------------------------------------
> -


344 . rdrobust turnout margins if year >= 2004, c(0) fuzzy(all_100) h(8.745)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.
```

```
        Cutoff c = 0 | Left of c  Right of c             Number of obs =      3879
> 3
---------------------+------------------------             NN matches    =
> 3
       Number of obs |      3575        6507             BW type       =     Manua
> l
 Order loc. poly. (p) |         1           1             Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     8.745       8.745
          BW bias (b) |     8.745       8.745
            rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: turnout. Running variable: margins. Instrument: all_10
> 0.
---------------------+--------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
---------------------+--------------------------------------------------------------
> -
        Conventional |  -.00328     .0014    -2.3407   0.019      -.006031   -.00053
> 4
              Robust |      -         -      -2.5008   0.012      -.009147   -.00110
> 9
---------------------+--------------------------------------------------------------
> -

First-Stage Estimates. Outcome: all_100. Running variable: margins.
---------------------+--------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
---------------------+--------------------------------------------------------------
> -
        Conventional |  -3.2143    .97046    -3.3121   0.001      -5.11631   -1.3121
> 9
              Robust |      -         -      -1.6741   0.094      -5.24927    .41298
> 1
---------------------+--------------------------------------------------------------
> -
```

```
345 . rdrobust turnout margins if year >= 2004, c(0) fuzzy(all_100) h(8.845)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

        Cutoff c = 0 | Left of c  Right of c             Number of obs =      3879
> 3
```

```
---------------------+----------------------              NN matches    =
> 3
        Number of obs |      3623        6643              BW type       =     Manua
> l
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     8.845       8.845
          BW bias (b) |     8.845       8.845
            rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: turnout. Running variable: margins. Instrument: all_10
> 0.
---------------------+------------------------------------------------------------
> -
               Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
---------------------+------------------------------------------------------------
> -
         Conventional |  -.00325    .00138    -2.3609   0.018      -.005942   -.00055
> 1
               Robust |      -         -      -2.5311   0.011      -.009027   -.00114
> 8
---------------------+------------------------------------------------------------
> -

First-Stage Estimates. Outcome: all_100. Running variable: margins.
---------------------+------------------------------------------------------------
> -
               Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
---------------------+------------------------------------------------------------
> -
         Conventional |  -3.2433    .96455    -3.3625   0.001       -5.1338   -1.3528
> 1
               Robust |      -         -      -1.6732   0.094      -5.21637    .41179
> 7
---------------------+------------------------------------------------------------
> -


346 . rdrobust turnout margins if year >= 2004, c(0) fuzzy(all_100) h(8.945)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 3
---------------------+----------------------              NN matches    =
> 3
        Number of obs |      3655        6771              BW type       =     Manua
```

```
> l
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     8.945       8.945
          BW bias (b) |     8.945       8.945
            rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: turnout. Running variable: margins. Instrument: all_10
> 0.
---------------------+--------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
---------------------+--------------------------------------------------------------
> -
        Conventional |  -.00319    .00134    -2.3829   0.017      -.005819   -.00056
> 7
              Robust |      -         -      -2.5882   0.010      -.008904    -.0012
> 3
---------------------+--------------------------------------------------------------
> -

First-Stage Estimates. Outcome: all_100. Running variable: margins.
---------------------+--------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
---------------------+--------------------------------------------------------------
> -
        Conventional |  -3.2852    .95868    -3.4268   0.001      -5.16422   -1.4062
> 6
              Robust |      -         -      -1.6572   0.097      -5.16209    .43200
> 4
---------------------+--------------------------------------------------------------
> -
```

```
347 . rdrobust turnout margins if year >= 2004, c(0) fuzzy(all_100) h(9.045)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 3
---------------------+----------------------              NN matches    =
> 3
        Number of obs |      3663        6899              BW type       =     Manua
> l
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
```

```
       Order bias (q) |         2           2
    BW loc. poly. (h) |     9.045       9.045
          BW bias (b) |     9.045       9.045
            rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: turnout. Running variable: margins. Instrument: all_10
> 0.
---------------------+------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
---------------------+------------------------------------------------------------
> -
        Conventional |  -.00317    .00132    -2.4015   0.016      -.005755   -.00058
> 3
              Robust |      -         -      -2.5992   0.009      -.008788   -.00123
> 2
---------------------+------------------------------------------------------------
> -

First-Stage Estimates. Outcome: all_100. Running variable: margins.
---------------------+------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
---------------------+------------------------------------------------------------
> -
        Conventional |  -3.3063    .95294    -3.4696   0.001      -5.17401   -1.4385
> 7
              Robust |      -         -      -1.6705   0.095      -5.15024    .41067
> 1
---------------------+------------------------------------------------------------
> -


348 .
    end of do-file

349 . do "/var/folders/1p/ktsylbts09n7c1cbjt351qpm0000gn/T//SD24459.000000"

350 . ** Outcome: competion
351 . rdrobust comp  margins if year >= 2004, c(0) fuzzy(all_100) h(3.149)
    Preparing data.
    Computing variance-covariance matrix.
    Computing RD estimates.
    Estimation completed.

    Sharp RD estimates using local polynomial regression.

        Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 2
---------------------+----------------------              NN matches    =
> 3
       Number of obs |      1329        1832              BW type       =     Manua
```

```
> l
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     3.149       3.149
          BW bias (b) |     3.149       3.149
            rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: comp. Running variable: margins. Instrument: all_100.
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
             Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
       Conventional |   .00332    .00467    0.7099    0.478      -.005838     .0124
> 7
             Robust |      -         -      1.2792    0.201      -.004591    .02184
> 5
─────────────────────┴──────────────────────────────────────────────────────────────
> ─

First-Stage Estimates. Outcome: all_100. Running variable: margins.
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
             Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
       Conventional |  -2.4176     1.653    -1.4625   0.144      -5.65755    .82227
> 7
             Robust |      -         -      -0.9854   0.324      -7.00681    2.3184
> 1
─────────────────────┴──────────────────────────────────────────────────────────────
> ─


352 . rdrobust comp  margins if year >= 2004, c(0) fuzzy(all_100) h(3.249)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

        Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 2
─────────────────────┼──────────────────────              NN matches    =
> 3
       Number of obs |      1361        1880              BW type       =     Manua
> l
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
```

```
    BW loc. poly. (h) |     3.249       3.249
          BW bias (b) |     3.249       3.249
            rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: comp. Running variable: margins. Instrument: all_100.
------------------------+-------------------------------------------------------------
> -
               Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
------------------------+-------------------------------------------------------------
> -
         Conventional |   .00309    .00455    0.6786    0.497      -.005835    .01201
> 6
               Robust |      -         -      1.2851    0.199       -.00444    .02135
> 1
------------------------+-------------------------------------------------------------
> -

First-Stage Estimates. Outcome: all_100. Running variable: margins.
------------------------+-------------------------------------------------------------
> -
               Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
------------------------+-------------------------------------------------------------
> -
         Conventional |  -2.4047    1.6288    -1.4763   0.140      -5.59708    .78776
> 6
               Robust |      -         -      -1.0106   0.312       -6.9745    2.2289
> 5
------------------------+-------------------------------------------------------------
> -


353 . rdrobust comp  margins if year >= 2004, c(0) fuzzy(all_100) h(3.349)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 2
------------------------+----------------------              NN matches    =
> 3
        Number of obs |      1425        1944              BW type       =     Manua
> l
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     3.349       3.349
          BW bias (b) |     3.349       3.349
            rho (h/b) |     1.000       1.000
```

Structural Estimates. Outcome: comp. Running variable: margins. Instrument: all_100.

Method	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
Conventional	.00288	.00442	0.6507	0.515	-.005787	.01154
Robust	-	-	1.2912	0.197	-.004271	.02076

First-Stage Estimates. Outcome: all_100. Running variable: margins.

Method	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
Conventional	-2.4074	1.6066	-1.4985	0.134	-5.55629	.74140
Robust	-	-	-1.0276	0.304	-6.92306	2.1605

354 . rdrobust comp margins if year >= 2004, c(0) fuzzy(all_100) h(3.449)

Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

Cutoff c = 0	Left of **c**	Right of **c**		
			Number of obs =	**3879**
			NN matches =	
Number of obs	**1472**	**2031**	BW type =	**Manua**
Order loc. poly. (p)	**1**	**1**	Kernel type =	**Triangula**
Order bias (q)	**2**	**2**		
BW loc. poly. (h)	**3.449**	**3.449**		
BW bias (b)	**3.449**	**3.449**		
rho (h/b)	**1.000**	**1.000**		

Structural Estimates. Outcome: comp. Running variable: margins. Instrument: all_100.

Method	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]

```
> ]
```

> —						
Conventional	.00269	.00428	0.6271	0.531	−.00571	.01108
> 2						
Robust	−	−	1.2847	0.199	−.004178	.02007
> 2						

```
> —
```

First-Stage Estimates. Outcome: all_100. Running variable: margins.

> —					
Method	Coef.	Std. Err.	z	P>|z|	[95% Conf. Interval
>]					
> —					
Conventional	−2.4174	1.5836	−1.5265	0.127	−5.52129 .68647
> 2					
Robust	−	−	−1.0403	0.298	−6.84961 2.0995
> 2					

```
> —
```

```
355 . rdrobust comp  margins if year >= 2004, c(0) fuzzy(all_100) h(3.549)
```

Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

Cutoff c = 0	Left of **c**	Right of **c**	Number of obs = **3879**
> 2			
			NN matches =
> 3			
Number of obs	**1544**	**2103**	BW type = **Manua**
> l			
Order loc. poly. (p)	**1**	**1**	Kernel type = **Triangula**
> r			
Order bias (q)	**2**	**2**	
BW loc. poly. (h)	**3.549**	**3.549**	
BW bias (b)	**3.549**	**3.549**	
rho (h/b)	**1.000**	**1.000**	

Structural Estimates. Outcome: comp. Running variable: margins. Instrument: all_100.

> —					
Method	Coef.	Std. Err.	z	P>|z|	[95% Conf. Interval
>]					
> —					
Conventional	.00256	.00412	0.6225	0.534	−.00551 .01063

```
> 9
                Robust |      -         -      1.2563    0.209      -.004186    .01913
> 3
-----------------------+------------------------------------------------------------------
> -

First-Stage Estimates. Outcome: all_100. Running variable: margins.
-----------------------+------------------------------------------------------------------
> -
                Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
-----------------------+------------------------------------------------------------------
> -
          Conventional |  -2.4568    1.5604    -1.5745   0.115       -5.5151    .60153
> 4
                Robust |      -         -      -1.0254   0.305      -6.71161    2.1009
> 5
-----------------------+------------------------------------------------------------------
> -
```

```
356 . rdrobust comp  margins if year >= 2004, c(0) fuzzy(all_100) h(3.649)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

          Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 2
-----------------------+------------------------              NN matches    =
> 3
         Number of obs |      1591        2143              BW type       =     Manua
> l
  Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
        Order bias (q) |         2           2
     BW loc. poly. (h) |     3.649       3.649
           BW bias (b) |     3.649       3.649
             rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: comp. Running variable: margins. Instrument: all_100.
-----------------------+------------------------------------------------------------------
> -
                Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
-----------------------+------------------------------------------------------------------
> -
          Conventional |   .00246    .00395    0.6214    0.534      -.005294    .01020
> 8
                Robust |      -         -      1.2304    0.219      -.004168    .01822
> 9
-----------------------+------------------------------------------------------------------
```

```
> ─

First-Stage Estimates. Outcome: all_100. Running variable: margins.
──────────────────────┬──────────────────────────────────────────────────────────────────────
> ─
               Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
──────────────────────┼──────────────────────────────────────────────────────────────────────
> ─
         Conventional │  -2.5057    1.5386    -1.6285   0.103      -5.52135     .5100
> 4
               Robust │      -         -      -1.0127   0.311      -6.58822    2.0992
> 7
──────────────────────┴──────────────────────────────────────────────────────────────────────
> ─

357 . rdrobust comp  margins if year >= 2004, c(0) fuzzy(all_100) h(3.749)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 2
─────────────────────┼──────────────────────               NN matches    =
> 3
        Number of obs |      1623        2191              BW type       =     Manua
> l
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     3.749       3.749
          BW bias (b) |     3.749       3.749
            rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: comp. Running variable: margins. Instrument: all_100.
──────────────────────┬──────────────────────────────────────────────────────────────────────
> ─
               Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
──────────────────────┼──────────────────────────────────────────────────────────────────────
> ─
         Conventional │   .00238    .00378    0.6300    0.529      -.005033    .00980
> 1
               Robust │      -         -      1.2012    0.230      -.004153    .01730
> 3
──────────────────────┴──────────────────────────────────────────────────────────────────────
> ─

First-Stage Estimates. Outcome: all_100. Running variable: margins.
──────────────────────┬──────────────────────────────────────────────────────────────────────
```

```
> ─
               Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
         Conventional │  -2.5716    1.5185    -1.6935   0.090      -5.54771    .40457
> 9
               Robust │      -         -      -0.9873   0.323       -6.4478    2.1277
> 9
──────────────────────┴──────────────────────────────────────────────────────────────
> ─
```

```
358 . rdrobust comp  margins if year >= 2004, c(0) fuzzy(all_100) h(3.849)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 │ Left of c  Right of c              Number of obs =      3879
> 2
──────────────────────┼──────────────────────              NN matches    =
> 3
        Number of obs │      1727        2303              BW type       =     Manua
> l
 Order loc. poly. (p) │         1           1              Kernel type   = Triangula
> r
       Order bias (q) │         2           2
    BW loc. poly. (h) │     3.849       3.849
          BW bias (b) │     3.849       3.849
            rho (h/b) │     1.000       1.000

Structural Estimates. Outcome: comp. Running variable: margins. Instrument: all_100.
──────────────────────┬──────────────────────────────────────────────────────────────
> ─
               Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
         Conventional │   .00216    .00355    0.6080    0.543      -.004794    .00910
> 6
               Robust │      -         -      1.2353    0.217      -.003717     .0163
> 9
──────────────────────┴──────────────────────────────────────────────────────────────
> ─

First-Stage Estimates. Outcome: all_100. Running variable: margins.
──────────────────────┬──────────────────────────────────────────────────────────────
> ─
               Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
──────────────────────┼──────────────────────────────────────────────────────────────
```

```
> ─
        Conventional │  -2.6706    1.4972    -1.7837   0.074      -5.60519    .26391
> 2
              Robust │      -         -      -0.9444   0.345      -6.26077    2.1892
> 7
─────────────────────┴──────────────────────────────────────────────────────────────
> ─
```

```
359 . rdrobust comp  margins if year >= 2004, c(0) fuzzy(all_100) h(3.949)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

        Cutoff c = 0 │ Left of c  Right of c              Number of obs =      3879
> 2
─────────────────────┼──────────────────────              NN matches    =
> 3
       Number of obs │      1743        2390              BW type       =     Manua
> l
 Order loc. poly. (p) │         1           1              Kernel type   = Triangula
> r
       Order bias (q) │         2           2
    BW loc. poly. (h) │     3.949       3.949
          BW bias (b) │     3.949       3.949
            rho (h/b) │     1.000       1.000

Structural Estimates. Outcome: comp. Running variable: margins. Instrument: all_100.
─────────────────────┬──────────────────────────────────────────────────────────────
> ─
              Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
        Conventional │   .00191    .00331    0.5749    0.565       -.00459      .008
> 4
              Robust │      -         -      1.2747    0.202      -.003288    .01551
> 9
─────────────────────┴──────────────────────────────────────────────────────────────
> ─

First-Stage Estimates. Outcome: all_100. Running variable: margins.
─────────────────────┬──────────────────────────────────────────────────────────────
> ─
              Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
        Conventional │  -2.7823    1.4766    -1.8843   0.060      -5.67633    .11179
> 6
              Robust │      -         -      -0.8956   0.370      -6.07209    2.2631
```

```
> 7
────────────────────┴────────────────────────────────────────────────────────────
> ─

360 . rdrobust comp  margins if year >= 2004, c(0) fuzzy(all_100) h(4.049)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 │ Left of c  Right of c              Number of obs =      3879
> 2
────────────────────┼────────────────────              NN matches    =
> 3
        Number of obs │      1791        2438              BW type       =     Manua
> l
 Order loc. poly. (p) │         1           1              Kernel type   = Triangula
> r
       Order bias (q) │         2           2
    BW loc. poly. (h) │     4.049       4.049
          BW bias (b) │     4.049       4.049
            rho (h/b) │     1.000       1.000

Structural Estimates. Outcome: comp. Running variable: margins. Instrument: all_100.
────────────────────┴────────────────────────────────────────────────────────────
> ─
              Method │    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
────────────────────┼────────────────────────────────────────────────────────────
> ─
        Conventional │   .00169    .00316    0.5358    0.592      -.004501    .00788
> 7
              Robust │      -         -      1.2919    0.196      -.003061    .01489
> 8
────────────────────┴────────────────────────────────────────────────────────────
> ─

First-Stage Estimates. Outcome: all_100. Running variable: margins.
────────────────────┴────────────────────────────────────────────────────────────
> ─
              Method │    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
────────────────────┼────────────────────────────────────────────────────────────
> ─
        Conventional │  -2.8519    1.4572    -1.9571   0.050      -5.70788    .00413
> 8
              Robust │      -         -      -0.8859   0.376      -5.97718    2.2558
> 9
────────────────────┴────────────────────────────────────────────────────────────
> ─
```

```
361 . rdrobust comp  margins if year >= 2004, c(0) fuzzy(all_100) h(4.149)
    Preparing data.
    Computing variance-covariance matrix.
    Computing RD estimates.
    Estimation completed.

    Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
    > 2
    ---------------------+----------------------              NN matches    =
    > 3
        Number of obs |      1822        2502              BW type       =     Manua
    > l
     Order loc. poly. (p) |         1           1              Kernel type   = Triangula
    > r
           Order bias (q) |         2           2
        BW loc. poly. (h) |     4.149       4.149
              BW bias (b) |     4.149       4.149
                rho (h/b) |     1.000       1.000

    Structural Estimates. Outcome: comp. Running variable: margins. Instrument: all_100.
    ---------------------+--------------------------------------------------------------------
    > -
                  Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
    > ]
    ---------------------+--------------------------------------------------------------------
    > -
           Conventional |   .00151    .00305    0.4931    0.622      -.004478    .00748
    > 8
                 Robust |      -         -      1.2979    0.194      -.002934    .01443
    > 6
    ---------------------+--------------------------------------------------------------------
    > -

    First-Stage Estimates. Outcome: all_100. Running variable: margins.
    ---------------------+--------------------------------------------------------------------
    > -
                  Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
    > ]
    ---------------------+--------------------------------------------------------------------
    > -
           Conventional |  -2.8944     1.439    -2.0114   0.044      -5.71469   -.07402
    > 5
                 Robust |      -         -      -0.8971   0.370      -5.93328    2.2071
    > 2
    ---------------------+--------------------------------------------------------------------
    > -

362 . rdrobust comp  margins if year >= 2004, c(0) fuzzy(all_100) h(4.249)
    Preparing data.
    Computing variance-covariance matrix.
```

```
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

        Cutoff c = 0 | Left of c  Right of c             Number of obs =      3879
> 2
---------------------+----------------------             NN matches    =
> 3
       Number of obs |      1846        2590             BW type       =     Manua
> l
 Order loc. poly. (p) |         1           1             Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     4.249       4.249
          BW bias (b) |     4.249       4.249
            rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: comp. Running variable: margins. Instrument: all_100.
---------------------+------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
---------------------+------------------------------------------------------------
> -
        Conventional |   .00138    .00298    0.4616    0.644      -.004471    .00722
> 6
              Robust |      -         -      1.2787    0.201      -.002955    .01404
> 7
---------------------+------------------------------------------------------------
> -

First-Stage Estimates. Outcome: all_100. Running variable: margins.
---------------------+------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
---------------------+------------------------------------------------------------
> -
        Conventional |  -2.9124    1.4215   -2.0488   0.040      -5.69851   -.12633
> 7
              Robust |      -         -     -0.9276   0.354      -5.93138    2.1205
> 6
---------------------+------------------------------------------------------------
> -

363 . rdrobust comp  margins if year >= 2004, c(0) fuzzy(all_100) h(4.349)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.
```

```
        Cutoff c = 0 | Left of c  Right of c             Number of obs =      3879
> 2
---------------------+------------------------             NN matches    =
> 3
       Number of obs |      1878        2630             BW type       =     Manua
> l
 Order loc. poly. (p) |         1           1             Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     4.349       4.349
          BW bias (b) |     4.349       4.349
            rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: comp. Running variable: margins. Instrument: all_100.
---------------------+--------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
---------------------+--------------------------------------------------------------
> -
        Conventional |   .00126    .00288    0.4389    0.661       -.00438    .00690
> 7
              Robust |      -         -      1.2628    0.207      -.002922    .01350
> 5
---------------------+--------------------------------------------------------------
> -

First-Stage Estimates. Outcome: all_100. Running variable: margins.
---------------------+--------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
---------------------+--------------------------------------------------------------
> -
        Conventional |  -2.9736    1.4053   -2.1159   0.034      -5.72806   -.21920
> 5
              Robust |      -         -     -0.9186   0.358      -5.85408    2.1178
> 8
---------------------+--------------------------------------------------------------
> -
```

```
364 . *** Baseline: automatic BW selection
365 . rdrobust comp  margins if year >= 2004, c(0) fuzzy(all_100) h(4.449)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

        Cutoff c = 0 | Left of c  Right of c             Number of obs =      3879
> 2
```

```
--------------------+--------------------          NN matches    =
> 3
       Number of obs |      1926        2726          BW type       =     Manua
> l
 Order loc. poly. (p) |         1           1          Kernel type   = Triangula
> r
      Order bias (q) |         2           2
   BW loc. poly. (h) |     4.449       4.449
         BW bias (b) |     4.449       4.449
           rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: comp. Running variable: margins. Instrument: all_100.
--------------------+-------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
--------------------+-------------------------------------------------------------
> -
        Conventional |   .00124    .00281    0.4411    0.659      -.004273    .00675
> 4
              Robust |      -         -      1.2081    0.227      -.003081    .01298
> 1
--------------------+-------------------------------------------------------------
> -

First-Stage Estimates. Outcome: all_100. Running variable: margins.
--------------------+-------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
--------------------+-------------------------------------------------------------
> -
        Conventional |  -3.0082    1.3894    -2.1650   0.030      -5.73142   -.28489
> 4
              Robust |      -         -      -0.9433   0.346      -5.84367    2.0462
> 7
--------------------+-------------------------------------------------------------
> -


366 . rdrobust comp  margins if year >= 2004, c(0) fuzzy(all_100) h(4.549)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

        Cutoff c = 0 | Left of c  Right of c          Number of obs =      3879
> 2
--------------------+--------------------          NN matches    =
> 3
       Number of obs |      1990        2798          BW type       =     Manua
> l
```

```
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     4.549       4.549
          BW bias (b) |     4.549       4.549
            rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: comp. Running variable: margins. Instrument: all_100.
---------------------+--------------------------------------------------------------
> —
              Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
---------------------+--------------------------------------------------------------
> —
        Conventional |   .00124    .00276    0.4483    0.654      -.004177    .00665
> 4
              Robust |      -         -      1.1457    0.252      -.003278    .01250
> 2
---------------------+--------------------------------------------------------------
> —

First-Stage Estimates. Outcome: all_100. Running variable: margins.
---------------------+--------------------------------------------------------------
> —
              Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
---------------------+--------------------------------------------------------------
> —
        Conventional |  -3.0273    1.3735   -2.2040   0.028      -5.71942   -.33525
> 2
              Robust |      -         -      -0.9876   0.323      -5.86768    1.935
> 6
---------------------+--------------------------------------------------------------
> —


367 . rdrobust comp  margins if year >= 2004, c(0) fuzzy(all_100) h(4.649)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 2
---------------------+----------------------              NN matches    =
> 3
        Number of obs |      2022        2846              BW type       =     Manua
> l
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     4.649       4.649
```

```
          BW bias (b) |     4.649       4.649
            rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: comp. Running variable: margins. Instrument: all_100.
---------------------+------------------------------------------------------------
> —
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
---------------------+------------------------------------------------------------
> —
        Conventional |   .00123    .00273    0.4504    0.652      -.004117    .00657
> 5
              Robust |      -         -      1.0930    0.274      -.003446    .01213
> 5
---------------------+------------------------------------------------------------
> —

First-Stage Estimates. Outcome: all_100. Running variable: margins.
---------------------+------------------------------------------------------------
> —
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
---------------------+------------------------------------------------------------
> —
        Conventional |  -3.0326    1.3587    -2.2320   0.026      -5.69567    -.3696
> 3
              Robust |      -         -      -1.0409   0.298      -5.91268    1.8109
> 6
---------------------+------------------------------------------------------------
> —


368 . rdrobust comp  margins if year >= 2004, c(0) fuzzy(all_100) h(4.749)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

        Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 2
---------------------+----------------------              NN matches    =
> 3
       Number of obs |      2046        2910              BW type       =     Manua
> l
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
      Order bias (q) |         2           2
   BW loc. poly. (h) |     4.749       4.749
         BW bias (b) |     4.749       4.749
           rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: comp. Running variable: margins. Instrument: all_100.
```

```
--------------------------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
--------------------------------------------------------------------------------
> -
        Conventional |   .00123    .00271    0.4527    0.651       -.00408     .0065
> 3
              Robust |      -         -      1.0431    0.297      -.003618    .01185
> 1
--------------------------------------------------------------------------------
> -

First-Stage Estimates. Outcome: all_100. Running variable: margins.
--------------------------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
--------------------------------------------------------------------------------
> -
        Conventional |  -3.0251    1.3449    -2.2493   0.024      -5.66111   -.38917
> 5
              Robust |      -         -      -1.0995   0.272      -5.97128    1.6794
> 3
--------------------------------------------------------------------------------
> -


369 . rdrobust comp  margins if year >= 2004, c(0) fuzzy(all_100) h(4.849)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

        Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 2
---------------------+----------------------              NN matches    =
> 3
       Number of obs |      2102        2982              BW type       =     Manua
> l
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
      Order bias (q) |         2           2
   BW loc. poly. (h) |     4.849       4.849
         BW bias (b) |     4.849       4.849
           rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: comp. Running variable: margins. Instrument: all_100.
--------------------------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
```

```
---------------------+------------------------------------------------------------
> -
        Conventional |   .00123    .00271    0.4547    0.649      -.004073    .00653
> 4
              Robust |      -         -      0.9913    0.322      -.003823    .01164
> 7
---------------------+------------------------------------------------------------
> -

First-Stage Estimates. Outcome: all_100. Running variable: margins.
---------------------+------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
---------------------+------------------------------------------------------------
> -
        Conventional |  -2.9962    1.3315    -2.2503   0.024      -5.60578   -.38653
> 6
              Robust |      -         -      -1.1760   0.240      -6.06205    1.5154
> 6
---------------------+------------------------------------------------------------
> -


370 . rdrobust comp  margins if year >= 2004, c(0) fuzzy(all_100) h(4.949)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

        Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 2
---------------------+----------------------              NN matches    =
> 3
       Number of obs |      2134        3054              BW type       =     Manua
> l
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
      Order bias (q) |         2           2
   BW loc. poly. (h) |     4.949       4.949
         BW bias (b) |     4.949       4.949
           rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: comp. Running variable: margins. Instrument: all_100.
---------------------+------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
---------------------+------------------------------------------------------------
> -
        Conventional |   .00123    .00268    0.4579    0.647      -.004026    .00648
> 1
```

```
                Robust │      -         -      0.9503    0.342      -.003947    .01137
> 7
──────────────────────┼──────────────────────────────────────────────────────────────────
> ─

First-Stage Estimates. Outcome: all_100. Running variable: margins.
──────────────────────┼──────────────────────────────────────────────────────────────────
> ─
                Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
──────────────────────┼──────────────────────────────────────────────────────────────────
> ─
          Conventional │  -2.9942    1.3179    -2.2719   0.023      -5.57731   -.41110
> 8
                Robust │      -         -      -1.2207   0.222      -6.08739    1.4147
> 6
──────────────────────┼──────────────────────────────────────────────────────────────────
> ─


371 . rdrobust comp  margins if year >= 2004, c(0) fuzzy(all_100) h(5.049)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

          Cutoff c = 0 │ Left of c  Right of c              Number of obs =      3879
> 2
──────────────────────┼──────────────────────              NN matches    =
> 3
         Number of obs │      2206        3102              BW type       =     Manua
> l
  Order loc. poly. (p) │         1           1              Kernel type   = Triangula
> r
        Order bias (q) │         2           2
     BW loc. poly. (h) │     5.049       5.049
           BW bias (b) │     5.049       5.049
             rho (h/b) │     1.000       1.000

Structural Estimates. Outcome: comp. Running variable: margins. Instrument: all_100.
──────────────────────┼──────────────────────────────────────────────────────────────────
> ─
                Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
──────────────────────┼──────────────────────────────────────────────────────────────────
> ─
          Conventional │   .00118    .00265    0.4464    0.655      -.004015    .00638
> 3
                Robust │      -         -      0.9314    0.352      -.003978    .01118
> 2
──────────────────────┼──────────────────────────────────────────────────────────────────
> ─
```

First-Stage Estimates. Outcome: all_100. Running variable: margins.

```
> ─
               Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
        Conventional │  -2.9918     1.305    -2.2926   0.022      -5.54953   -.43404
> 3
              Robust │      -         -      -1.2632   0.207       -6.1085    1.3205
> 2
──────────────────────┴──────────────────────────────────────────────────────────────
> ─
```

372 . rdrobust comp margins if year >= 2004, c(0) fuzzy(all_100) h(5.149)

Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

```
         Cutoff c = 0 │ Left of c  Right of c              Number of obs =      3879
> 2
──────────────────────┼──────────────────────              NN matches    =
> 3
       Number of obs │      2270        3158              BW type       =     Manua
> l
 Order loc. poly. (p) │         1           1              Kernel type   = Triangula
> r
       Order bias (q) │         2           2
    BW loc. poly. (h) │     5.149       5.149
          BW bias (b) │     5.149       5.149
            rho (h/b) │     1.000       1.000
```

Structural Estimates. Outcome: comp. Running variable: margins. Instrument: all_100.

```
> ─
               Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
        Conventional │   .00115    .00264    0.4350    0.664      -.004021    .00631
> 4
              Robust │      -         -      0.9093    0.363      -.004037    .01102
> 3
──────────────────────┴──────────────────────────────────────────────────────────────
> ─
```

First-Stage Estimates. Outcome: all_100. Running variable: margins.

```
> ─
```

```
                Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
-------------------------+----------------------------------------------------------------
> -
         Conventional |  -2.9774    1.2924    -2.3037   0.021      -5.51058   -.44431
> 2
                Robust |      -         -      -1.3154   0.188      -6.14763    1.2098
> 8
-------------------------+----------------------------------------------------------------
> -
```

```
373 . rdrobust comp  margins if year >= 2004, c(0) fuzzy(all_100) h(5.249)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 2
-------------------------+----------------------              NN matches    =
> 3
        Number of obs |      2302        3262              BW type       =     Manua
> l
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     5.249       5.249
          BW bias (b) |     5.249       5.249
            rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: comp. Running variable: margins. Instrument: all_100.
-------------------------+----------------------------------------------------------------
> -
                Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
-------------------------+----------------------------------------------------------------
> -
         Conventional |   .00113    .00265    0.4268    0.670      -.004058    .00631
> 7
                Robust |      -         -      0.8763    0.381      -.004178    .01093
> 6
-------------------------+----------------------------------------------------------------
> -

First-Stage Estimates. Outcome: all_100. Running variable: margins.
-------------------------+----------------------------------------------------------------
> -
                Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
-------------------------+----------------------------------------------------------------
> -
```

```
        Conventional |  -2.9355    1.2801    -2.2931   0.022      -5.44452    -.4264
> 8
              Robust |      -         -      -1.3917   0.164      -6.23137    1.0564
> 5
---------------------+------------------------------------------------------------
> -

374 . rdrobust comp  margins if year >= 2004, c(0) fuzzy(all_100) h(5.349)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

        Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 2
---------------------+----------------------              NN matches    =
> 3
       Number of obs |      2358        3286              BW type       =     Manua
> l
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     5.349       5.349
          BW bias (b) |     5.349       5.349
            rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: comp. Running variable: margins. Instrument: all_100.
---------------------+------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
---------------------+------------------------------------------------------------
> -
        Conventional |   .00109    .00267    0.4084    0.683      -.004144    .00632
> 5
              Robust |      -         -      0.8552    0.392      -.004297     .0109
> 5
---------------------+------------------------------------------------------------
> -

First-Stage Estimates. Outcome: all_100. Running variable: margins.
---------------------+------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
---------------------+------------------------------------------------------------
> -
        Conventional |  -2.8779     1.268    -2.2697   0.023      -5.36307   -.39269
> 7
              Robust |      -         -      -1.4779   0.139      -6.33119    .88785
> 2
```

```
                    |
> —
```

```
375 . rdrobust comp  margins if year >= 2004, c(0) fuzzy(all_100) h(5.449)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 2
                      |                                    NN matches    =
> 3
        Number of obs |      2412        3389              BW type       =     Manua
> l
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     5.449       5.449
          BW bias (b) |     5.449       5.449
            rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: comp. Running variable: margins. Instrument: all_100.
                    |
> —
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
                    |
> —
        Conventional |   .00104    .00267    0.3893    0.697      -.004189    .00626
> 5
              Robust |      -         -      0.8438    0.399      -.004334    .01088
> 8
                    |
> —

First-Stage Estimates. Outcome: all_100. Running variable: margins.
                    |
> —
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
                    |
> —
        Conventional |  -2.8502     1.256    -2.2693   0.023       -5.3119   -.38852
> 1
              Robust |      -         -      -1.5265   0.127      -6.36043    .79072
> 9
                    |
> —
```

```
376 . rdrobust comp  margins if year >= 2004, c(0) fuzzy(all_100) h(5.549)
    Preparing data.
    Computing variance-covariance matrix.
    Computing RD estimates.
    Estimation completed.

    Sharp RD estimates using local polynomial regression.

            Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
    > 2
    ---------------------+----------------------              NN matches    =
    > 3
           Number of obs |      2467        3453              BW type       =     Manua
    > l
     Order loc. poly. (p) |         1           1              Kernel type   = Triangula
    > r
           Order bias (q) |         2           2
        BW loc. poly. (h) |     5.549       5.549
              BW bias (b) |     5.549       5.549
                rho (h/b) |     1.000       1.000

    Structural Estimates. Outcome: comp. Running variable: margins. Instrument: all_100.
    ---------------------+------------------------------------------------------------------
    > -
                  Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
    > ]
    ---------------------+------------------------------------------------------------------
    > -
           Conventional |   .00101    .00264    0.3825    0.702      -.004162    .00618
    > 1
                 Robust |      -         -      0.8236    0.410      -.004365    .01069
    > 3
    ---------------------+------------------------------------------------------------------
    > -

    First-Stage Estimates. Outcome: all_100. Running variable: margins.
    ---------------------+------------------------------------------------------------------
    > -
                  Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
    > ]
    ---------------------+------------------------------------------------------------------
    > -
           Conventional |  -2.8509     1.244    -2.2918   0.022      -5.28911   -.41278
    > 5
                 Robust |      -         -      -1.5434   0.123       -6.3304    .75280
    > 6
    ---------------------+------------------------------------------------------------------
    > -

377 . rdrobust comp  margins if year >= 2004, c(0) fuzzy(all_100) h(5.649)
    Preparing data.
    Computing variance-covariance matrix.
    Computing RD estimates.
```

Estimation completed.

Sharp RD estimates using local polynomial regression.

Cutoff c = 0	Left of **c**	Right of **c**		
Number of obs	**2555**	**3573**	Number of obs =	**3879**
NN matches			=	
BW type			=	**Manua**
Order loc. poly. (p)	**1**	**1**	Kernel type	= **Triangula**
Order bias (q)	**2**	**2**		
BW loc. poly. (h)	**5.649**	**5.649**		
BW bias (b)	**5.649**	**5.649**		
rho (h/b)	**1.000**	**1.000**		

Structural Estimates. Outcome: comp. Running variable: margins. Instrument: all_100.

Method	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
Conventional	**.001**	**.0026**	**0.3838**	**0.701**	**-.004094**	**.00608**
Robust	**-**	**-**	**0.7967**	**0.426**	**-.004398**	**.01042**

First-Stage Estimates. Outcome: all_100. Running variable: margins.

Method	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
Conventional	**-2.8658**	**1.2315**	**-2.3271**	**0.020**	**-5.27945**	**-.45214**
Robust	**-**	**-**	**-1.5467**	**0.122**	**-6.27201**	**.73917**

```
378 . rdrobust comp  margins if year >= 2004, c(0) fuzzy(all_100) h(5.749)
```

Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

```
        Cutoff c = 0 | Left of c  Right of c             Number of obs =      3879
> 2
---------------------+----------------------             NN matches    =
> 3
       Number of obs |      2643        3684             BW type       =     Manua
> l
 Order loc. poly. (p) |         1           1             Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     5.749       5.749
          BW bias (b) |     5.749       5.749
            rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: comp. Running variable: margins. Instrument: all_100.
---------------------+------------------------------------------------------------------
> -
             Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
---------------------+------------------------------------------------------------------
> -
       Conventional |   .00099    .00255    0.3896    0.697      -.00401    .00599
> 9
             Robust |      -         -      0.7645    0.445     -.004442    .01012
> 5
---------------------+------------------------------------------------------------------
> -

First-Stage Estimates. Outcome: all_100. Running variable: margins.
---------------------+------------------------------------------------------------------
> -
             Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
---------------------+------------------------------------------------------------------
> -
       Conventional |  -2.8839    1.2184   -2.3669   0.018     -5.27204   -.49583
> 2
             Robust |      -         -     -1.5485   0.122     -6.20864    .72820
> 5
---------------------+------------------------------------------------------------------
> -
```

```
379 . rdrobust comp  margins if year >= 2004, c(0) fuzzy(all_100) h(5.849)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

        Cutoff c = 0 | Left of c  Right of c             Number of obs =      3879
> 2
---------------------+----------------------             NN matches    =
> 3
```

```
        Number of obs │      2667        3764              BW type       =     Manua
> l
 Order loc. poly. (p) │         1           1              Kernel type   = Triangula
> r
       Order bias (q) │         2           2
    BW loc. poly. (h) │     5.849       5.849
          BW bias (b) │     5.849       5.849
            rho (h/b) │     1.000       1.000

Structural Estimates. Outcome: comp. Running variable: margins. Instrument: all_100.
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
             Method  │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
       Conventional  │   .00098     .0025    0.3934    0.694      -.003918    .00588
> 5
             Robust  │      -         -      0.7425    0.458      -.004433    .00984
> 1
─────────────────────┼──────────────────────────────────────────────────────────────
> ─

First-Stage Estimates. Outcome: all_100. Running variable: margins.
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
             Method  │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
       Conventional  │   -2.913    1.2057    -2.4160   0.016      -5.27612   -.54986
> 9
             Robust  │      -         -      -1.5412   0.123       -6.1343    .73379
> 6
─────────────────────┼──────────────────────────────────────────────────────────────
> ─


380 . rdrobust comp  margins if year >= 2004, c(0) fuzzy(all_100) h(5.949)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

        Cutoff c = 0 │ Left of c  Right of c              Number of obs =      3879
> 2
─────────────────────┼──────────────────────              NN matches    =
> 3
        Number of obs │      2691        3852              BW type       =     Manua
> l
 Order loc. poly. (p) │         1           1              Kernel type   = Triangula
> r
```

```
       Order bias (q) |         2           2
    BW loc. poly. (h) |     5.949       5.949
          BW bias (b) |     5.949       5.949
            rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: comp. Running variable: margins. Instrument: all_100.
---------------------+------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
---------------------+------------------------------------------------------------
> -
        Conventional |   .00096    .00247    0.3902    0.696      -.003877    .00580
> 5
              Robust |      -         -      0.7288    0.466      -.004432    .00967
> 9
---------------------+------------------------------------------------------------
> -

First-Stage Estimates. Outcome: all_100. Running variable: margins.
---------------------+------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
---------------------+------------------------------------------------------------
> -
        Conventional |  -2.9193    1.1937    -2.4456   0.014      -5.25888    -.5797
> 5
              Robust |      -         -      -1.5581   0.119      -6.10915    .69774
> 9
---------------------+------------------------------------------------------------
> -


381 . rdrobust comp  margins if year >= 2004, c(0) fuzzy(all_100) h(6.049)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

        Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 2
---------------------+----------------------              NN matches    =
> 3
       Number of obs |      2739        3900              BW type       =     Manua
> l
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     6.049       6.049
          BW bias (b) |     6.049       6.049
            rho (h/b) |     1.000       1.000
```

Structural Estimates. Outcome: comp. Running variable: margins. Instrument: all_100.

Method	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
Conventional	.00094	.00245	0.3825	0.702	-.003861	.00573
Robust	-	-	0.7197	0.472	-.00443	.00957

First-Stage Estimates. Outcome: all_100. Running variable: margins.

Method	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
Conventional	-2.9164	1.1823	-2.4666	0.014	-5.23375	-.59905
Robust	-	-	-1.5826	0.114	-6.10144	.6499

```
382 .
    end of do-file

383 . do "/var/folders/1p/ktsylbts09n7c1cbjt351qpm0000gn/T//SD24459.000000"

384 . ** Outcome: conservatism
385 . rdrobust ideo_imp margins if year >= 2004, c(0) fuzzy(all_100) h(2.825)
    Preparing data.
    Computing variance-covariance matrix.
    Computing RD estimates.
    Estimation completed.

    Sharp RD estimates using local polynomial regression.

            Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
    -----------------------+----------------------              NN matches    =
           Number of obs |      1219        1608              BW type       =     Manua
     Order loc. poly. (p) |         1           1              Kernel type   = Triangula
           Order bias (q) |         2           2
        BW loc. poly. (h) |     2.825       2.825
```

```
          BW bias (b) |     2.825       2.825
            rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: ideo_imp. Running variable: margins. Instrument: all_1
> 00.
----------------------+-------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
----------------------+-------------------------------------------------------------
> -
        Conventional |  -.01056    .00986    -1.0713   0.284      -.029888    .00876
> 2
              Robust |      -         -      -0.3664   0.714      -.033139      .022
> 7
----------------------+-------------------------------------------------------------
> -

First-Stage Estimates. Outcome: all_100. Running variable: margins.
----------------------+-------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
----------------------+-------------------------------------------------------------
> -
        Conventional |  -2.3741    1.7405    -1.3640   0.173      -5.78549    1.0373
> 2
              Robust |      -         -      -1.0374   0.300      -7.42261    2.2846
> 4
----------------------+-------------------------------------------------------------
> -
```

```
386 . rdrobust ideo_imp margins if year >= 2004, c(0) fuzzy(all_100) h(2.925)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 5
----------------------+----------------------              NN matches    =
> 3
        Number of obs |      1258        1688              BW type       =     Manua
> l
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     2.925       2.925
          BW bias (b) |     2.925       2.925
            rho (h/b) |     1.000       1.000
```

```
Structural Estimates. Outcome: ideo_imp. Running variable: margins. Instrument: all_1
> 00.
─────────────────────┬──────────────────────────────────────────────────────────────────
> ─
              Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
─────────────────────┼──────────────────────────────────────────────────────────────────
> ─
        Conventional │  -.01067     .0098    -1.0891   0.276      -.029867     .0085
> 3
              Robust │      -         -      -0.3983   0.690      -.033468    .02216
> 2
─────────────────────┴──────────────────────────────────────────────────────────────────
> ─

First-Stage Estimates. Outcome: all_100. Running variable: margins.
─────────────────────┬──────────────────────────────────────────────────────────────────
> ─
              Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
─────────────────────┼──────────────────────────────────────────────────────────────────
> ─
        Conventional │  -2.3641    1.7112    -1.3816   0.167      -5.71801    .98973
> 9
              Robust │      -         -      -1.0469   0.295      -7.34593    2.2306
> 6
─────────────────────┴──────────────────────────────────────────────────────────────────
> ─


387 . rdrobust ideo_imp margins if year >= 2004, c(0) fuzzy(all_100) h(3.025)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 5
─────────────────────┼──────────────────────              NN matches    =
> 3
        Number of obs |      1274        1768              BW type       =     Manua
> l
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     3.025       3.025
          BW bias (b) |     3.025       3.025
            rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: ideo_imp. Running variable: margins. Instrument: all_1
> 00.
─────────────────────┬──────────────────────────────────────────────────────────────────
```

```
> ─
               Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
──────────────────────┼──────────────────────────────────────────────────────────────────
> ─
        Conventional │  -.01062    .00959    -1.1076   0.268      -.029416    .00817
> 4
               Robust │      -         -      -0.4659   0.641      -.033777    .02080
> 3
──────────────────────┴──────────────────────────────────────────────────────────────────
> ─

First-Stage Estimates. Outcome: all_100. Running variable: margins.
──────────────────────┬──────────────────────────────────────────────────────────────────
> ─
               Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
──────────────────────┼──────────────────────────────────────────────────────────────────
> ─
        Conventional │  -2.3671    1.6828    -1.4066   0.160      -5.66535    .93124
> 3
               Robust │      -         -      -1.0379   0.299      -7.22328    2.2216
> 4
──────────────────────┴──────────────────────────────────────────────────────────────────
> ─
```

```
388 . rdrobust ideo_imp margins if year >= 2004, c(0) fuzzy(all_100) h(3.125)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 5
──────────────────────┼──────────────────────              NN matches    =
> 3
        Number of obs |      1314        1832              BW type       =     Manua
> l
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     3.125       3.125
          BW bias (b) |     3.125       3.125
            rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: ideo_imp. Running variable: margins. Instrument: all_1
> 00.
──────────────────────┬──────────────────────────────────────────────────────────────────
> ─
               Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
```

```
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
        Conventional │  -.01049    .00921    -1.1385   0.255      -.028541    .00756
> 7
              Robust │      -         -      -0.5639   0.573      -.033829    .01871
> 1
─────────────────────┼──────────────────────────────────────────────────────────────
> ─

First-Stage Estimates. Outcome: all_100. Running variable: margins.
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
              Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
        Conventional │  -2.4047    1.6565    -1.4517   0.147      -5.65143    .84200
> 7
              Robust │      -         -      -0.9931   0.321      -7.02505    2.2999
> 3
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
```

```
389 . rdrobust ideo_imp margins if year >= 2004, c(0) fuzzy(all_100) h(3.225)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

        Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 5
─────────────────────┼──────────────────────              NN matches    =
> 3
       Number of obs |      1354        1880              BW type       =     Manua
> l
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
   BW loc. poly. (h) |     3.225       3.225
         BW bias (b) |     3.225       3.225
           rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: ideo_imp. Running variable: margins. Instrument: all_1
> 00.
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
              Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
        Conventional │  -.01055    .00911    -1.1579   0.247      -.028395    .00730
```

```
> 5
               Robust |      -         -      -0.5901   0.555      -.033827    .01817
> 1
----------------------+-------------------------------------------------------------
> -

First-Stage Estimates. Outcome: all_100. Running variable: margins.
----------------------+-------------------------------------------------------------
> -
               Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
----------------------+-------------------------------------------------------------
> -
         Conventional |  -2.4034    1.6317    -1.4730   0.141      -5.60144    .79456
> 8
               Robust |      -         -      -1.0078   0.314      -6.96576     2.234
> 8
----------------------+-------------------------------------------------------------
> -


390 . rdrobust ideo_imp margins if year >= 2004, c(0) fuzzy(all_100) h(3.325)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 5
----------------------+----------------------              NN matches    =
> 3
        Number of obs |      1418        1928              BW type       =     Manua
> l
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     3.325       3.325
          BW bias (b) |     3.325       3.325
            rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: ideo_imp. Running variable: margins. Instrument: all_1
> 00.
----------------------+-------------------------------------------------------------
> -
               Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
----------------------+-------------------------------------------------------------
> -
         Conventional |  -.01064    .00905    -1.1763   0.239      -.028372     .0070
> 9
               Robust |      -         -      -0.6005   0.548      -.033763    .01792
> 7
```

```
--------------------------+------------------------------------------------------------------
> -

First-Stage Estimates. Outcome: all_100. Running variable: margins.
--------------------------+------------------------------------------------------------------
> -
                Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
--------------------------+------------------------------------------------------------------
> -
          Conventional |     -2.4    1.6096    -1.4911   0.136      -5.55477    .75469
> 6
                Robust |      -         -      -1.0271   0.304      -6.92442    2.1626
> 3
--------------------------+------------------------------------------------------------------
> -


391 . rdrobust ideo_imp margins if year >= 2004, c(0) fuzzy(all_100) h(3.425)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

          Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 5
--------------------------+----------------------              NN matches    =
> 3
         Number of obs |      1466        2008              BW type       =     Manua
> l
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
        Order bias (q) |         2           2
    BW loc. poly. (h) |     3.425       3.425
           BW bias (b) |     3.425       3.425
             rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: ideo_imp. Running variable: margins. Instrument: all_1
> 00.
--------------------------+------------------------------------------------------------------
> -
                Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
--------------------------+------------------------------------------------------------------
> -
          Conventional |  -.01078    .00896    -1.2032   0.229      -.028353    .00678
> 3
                Robust |      -         -      -0.6044   0.546      -.033484      .017
> 7
--------------------------+------------------------------------------------------------------
> -
```

```
First-Stage Estimates. Outcome: all_100. Running variable: margins.
---------------------+------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
---------------------+------------------------------------------------------------
> -
        Conventional |  -2.4083    1.5869    -1.5176   0.129      -5.51846    .70195
> 1
              Robust |      -         -      -1.0421   0.297      -6.85873    2.0970
> 5
---------------------+------------------------------------------------------------
> -
```

```
392 . rdrobust ideo_imp margins if year >= 2004, c(0) fuzzy(all_100) h(3.525)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

        Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 5
---------------------+----------------------              NN matches    =
> 3
       Number of obs |      1505        2104              BW type       =     Manua
> l
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
      Order bias (q) |         2           2
   BW loc. poly. (h) |     3.525       3.525
         BW bias (b) |     3.525       3.525
           rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: ideo_imp. Running variable: margins. Instrument: all_1
> 00.
---------------------+------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
---------------------+------------------------------------------------------------
> -
        Conventional |  -.01082    .00873    -1.2398   0.215      -.027922    .00628
> 4
              Robust |      -         -      -0.6481   0.517      -.033126    .01666
> 3
---------------------+------------------------------------------------------------
> -

First-Stage Estimates. Outcome: all_100. Running variable: margins.
---------------------+------------------------------------------------------------
> -
```

```
               Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
──────────────────────┼──────────────────────────────────────────────────────────────────
> ─
        Conventional │  -2.4415    1.5636    -1.5615   0.118      -5.50616    .62311
> 2
              Robust │      -         -      -1.0308   0.303      -6.72918    2.0904
> 7
──────────────────────┴──────────────────────────────────────────────────────────────────
> ─
```

```
393 . rdrobust ideo_imp margins if year >= 2004, c(0) fuzzy(all_100) h(3.625)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 │ Left of c  Right of c              Number of obs =      3879
> 5
──────────────────────┼──────────────────────              NN matches    =
> 3
        Number of obs │      1577        2128              BW type       =     Manua
> l
 Order loc. poly. (p) │         1           1              Kernel type   = Triangula
> r
       Order bias (q) │         2           2
    BW loc. poly. (h) │     3.625       3.625
          BW bias (b) │     3.625       3.625
            rho (h/b) │     1.000       1.000

Structural Estimates. Outcome: ideo_imp. Running variable: margins. Instrument: all_1
> 00.
──────────────────────┬──────────────────────────────────────────────────────────────────
> ─
               Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
──────────────────────┼──────────────────────────────────────────────────────────────────
> ─
        Conventional │  -.01069    .00839    -1.2739   0.203      -.027137    .00575
> 7
              Robust │      -         -      -0.7152   0.474      -.032662    .01519
> 8
──────────────────────┴──────────────────────────────────────────────────────────────────
> ─

First-Stage Estimates. Outcome: all_100. Running variable: margins.
──────────────────────┬──────────────────────────────────────────────────────────────────
> ─
               Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
──────────────────────┼──────────────────────────────────────────────────────────────────
```

```
> ─
         Conventional │  -2.4817    1.5414    -1.6100   0.107      -5.50288    .53947
> 7
               Robust │      -         -      -1.0226   0.306      -6.61376    2.0784
> 5
──────────────────────┴──────────────────────────────────────────────────────────────
> ─
```

```
394 . rdrobust ideo_imp margins if year >= 2004, c(0) fuzzy(all_100) h(3.725)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 5
──────────────────────┼──────────────────────              NN matches    =
> 3
        Number of obs |      1616        2184              BW type       =     Manua
> l
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     3.725       3.725
          BW bias (b) |     3.725       3.725
            rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: ideo_imp. Running variable: margins. Instrument: all_1
> 00.
──────────────────────┬──────────────────────────────────────────────────────────────
> ─
               Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
         Conventional |  -.01038     .0079    -1.3135   0.189      -.025864    .00510
> 8
               Robust |      -         -      -0.8204   0.412      -.031965    .01310
> 2
──────────────────────┴──────────────────────────────────────────────────────────────
> ─

First-Stage Estimates. Outcome: all_100. Running variable: margins.
──────────────────────┬──────────────────────────────────────────────────────────────
> ─
               Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
         Conventional |  -2.5489    1.5209    -1.6759   0.094       -5.5298    .43200
> 5
```

```
                Robust │      -         -      -0.9953   0.320       -6.4668    2.1109
> 5
──────────────────────┼──────────────────────────────────────────────────────────────────
> ─
```

```
395 . rdrobust ideo_imp margins if year >= 2004, c(0) fuzzy(all_100) h(3.825)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 │ Left of c  Right of c              Number of obs =      3879
> 5
──────────────────────┼──────────────────────              NN matches    =
> 3
        Number of obs │      1712        2296              BW type       =     Manua
> l
 Order loc. poly. (p) │         1           1              Kernel type   = Triangula
> r
       Order bias (q) │         2           2
    BW loc. poly. (h) │     3.825       3.825
          BW bias (b) │     3.825       3.825
            rho (h/b) │     1.000       1.000

Structural Estimates. Outcome: ideo_imp. Running variable: margins. Instrument: all_1
> 00.
──────────────────────┼──────────────────────────────────────────────────────────────────
> ─
                Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
──────────────────────┼──────────────────────────────────────────────────────────────────
> ─
         Conventional │  -.01002    .00739    -1.3558   0.175      -.024511    .00446
> 6
                Robust │      -         -      -0.9335   0.351      -.031109    .01103
> 6
──────────────────────┼──────────────────────────────────────────────────────────────────
> ─

First-Stage Estimates. Outcome: all_100. Running variable: margins.
──────────────────────┼──────────────────────────────────────────────────────────────────
> ─
                Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
──────────────────────┼──────────────────────────────────────────────────────────────────
> ─
         Conventional │  -2.6267    1.5005    -1.7505   0.080      -5.56755    .31424
> 1
                Robust │      -         -      -0.9670   0.334      -6.31712     2.143
> 2
──────────────────────┼──────────────────────────────────────────────────────────────────
```

```
> ─
```

```
396 . rdrobust ideo_imp margins if year >= 2004, c(0) fuzzy(all_100) h(3.925)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 │ Left of c  Right of c              Number of obs =      3879
> 5
──────────────────────┼──────────────────────              NN matches    =
> 3
        Number of obs │      1744        2351              BW type       =     Manua
> l
 Order loc. poly. (p) │         1           1              Kernel type   = Triangula
> r
       Order bias (q) │         2           2
    BW loc. poly. (h) │     3.925       3.925
          BW bias (b) │     3.925       3.925
            rho (h/b) │     1.000       1.000

Structural Estimates. Outcome: ideo_imp. Running variable: margins. Instrument: all_1
> 00.
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
              Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
        Conventional │  -.00951    .00673    -1.4125   0.158      -.022706    .00368
> 6
              Robust │      -         -      -1.0990   0.272      -.029944    .00842
> 8
──────────────────────┼──────────────────────────────────────────────────────────────
> ─

First-Stage Estimates. Outcome: all_100. Running variable: margins.
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
              Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
        Conventional │ -2.7501    1.4795    -1.8588   0.063       -5.6499    .14969
> 8
              Robust │      -         -      -0.9068   0.365      -6.10057    2.2411
> 6
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
```

```
397 . rdrobust ideo_imp margins if year >= 2004, c(0) fuzzy(all_100) h(4.025)
    Preparing data.
    Computing variance-covariance matrix.
    Computing RD estimates.
    Estimation completed.

    Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
    > 5
    ---------------------+------------------------              NN matches    =
    > 3
           Number of obs |      1776        2415              BW type       =     Manua
    > l
     Order loc. poly. (p) |         1           1              Kernel type   = Triangula
    > r
           Order bias (q) |         2           2
        BW loc. poly. (h) |     4.025       4.025
              BW bias (b) |     4.025       4.025
                rho (h/b) |     1.000       1.000

    Structural Estimates. Outcome: ideo_imp. Running variable: margins. Instrument: all_1
    > 00.
    ---------------------+--------------------------------------------------------------
    > -
                  Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
    > ]
    ---------------------+--------------------------------------------------------------
    > -
           Conventional |  -.00921    .00633    -1.4541   0.146      -.021619    .00320
    > 3
                 Robust |      -         -      -1.2036   0.229      -.029138    .00696
    > 6
    ---------------------+--------------------------------------------------------------
    > -

    First-Stage Estimates. Outcome: all_100. Running variable: margins.
    ---------------------+--------------------------------------------------------------
    > -
                  Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
    > ]
    ---------------------+--------------------------------------------------------------
    > -
           Conventional |  -2.828    1.4597    -1.9374   0.053      -5.68894    .03291
    > 1
                 Robust |      -         -      -0.8885   0.374      -5.98495    2.2513
    > 8
    ---------------------+--------------------------------------------------------------
    > -


398 . rdrobust ideo_imp margins if year >= 2004, c(0) fuzzy(all_100) h(4.125)
    Preparing data.
    Computing variance-covariance matrix.
```

```
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

        Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 5
---------------------+----------------------              NN matches    =
> 3
       Number of obs |      1816        2487              BW type       =     Manua
> l
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     4.125       4.125
          BW bias (b) |     4.125       4.125
            rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: ideo_imp. Running variable: margins. Instrument: all_1
> 00.
---------------------+------------------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
---------------------+------------------------------------------------------------------------
> -
        Conventional |  -.00908     .0061    -1.4891   0.136      -.021034    .00287
> 2
              Robust |      -         -      -1.2548   0.210      -.028542    .00626
> 1
---------------------+------------------------------------------------------------------------
> -

First-Stage Estimates. Outcome: all_100. Running variable: margins.
---------------------+------------------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
---------------------+------------------------------------------------------------------------
> -
        Conventional |  -2.8754    1.4413    -1.9949   0.046      -5.70038   -.05039
> 6
              Robust |      -         -      -0.8951   0.371      -5.93114    2.2120
> 9
---------------------+------------------------------------------------------------------------
> -
```

```
399 . rdrobust ideo_imp margins if year >= 2004, c(0) fuzzy(all_100) h(4.225)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.
```

Sharp RD estimates using local polynomial regression.

```
        Cutoff c = 0 | Left of c  Right of c             Number of obs =      3879
> 5
---------------------+----------------------             NN matches    =
> 3
       Number of obs |      1847        2583             BW type       =     Manua
> l
 Order loc. poly. (p) |         1           1             Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     4.225       4.225
          BW bias (b) |     4.225       4.225
            rho (h/b) |     1.000       1.000
```

Structural Estimates. Outcome: ideo_imp. Running variable: margins. Instrument: all_1
> 00.

```
---------------------+------------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
---------------------+------------------------------------------------------------------
> -
        Conventional |  -.00907    .00599    -1.5140   0.130      -.020811    .00267
> 1
              Robust |      -         -      -1.2660   0.206      -.028158    .00605
> 8
---------------------+------------------------------------------------------------------
> -
```

First-Stage Estimates. Outcome: all_100. Running variable: margins.

```
---------------------+------------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
---------------------+------------------------------------------------------------------
> -
        Conventional |  -2.8898    1.4238    -2.0296   0.042       -5.6804    -.0991
> 2
              Robust |      -         -      -0.9301   0.352      -5.93845    2.1162
> 1
---------------------+------------------------------------------------------------------
> -
```

```
400 . *** Baseline: automatic BW selection
401 . rdrobust ideo_imp margins if year >= 2004, c(0) fuzzy(all_100) h(4.325)
```

Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

```
        Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 5
---------------------+----------------------              NN matches    =
> 3
       Number of obs |      1871        2623              BW type       =     Manua
> l
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     4.325       4.325
          BW bias (b) |     4.325       4.325
            rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: ideo_imp. Running variable: margins. Instrument: all_1
> 00.
---------------------+------------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
---------------------+------------------------------------------------------------------
> -
        Conventional |  -.00894    .00576    -1.5517   0.121      -.020229    .00235
> 2
              Robust |      -         -      -1.3246   0.185      -.027593    .00533
> 8
---------------------+------------------------------------------------------------------
> -

First-Stage Estimates. Outcome: all_100. Running variable: margins.
---------------------+------------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
---------------------+------------------------------------------------------------------
> -
        Conventional |  -2.9448    1.4073    -2.0926   0.036      -5.70297    -.1866
> 5
              Robust |      -         -      -0.9255   0.355      -5.86817    2.1039
> 2
---------------------+------------------------------------------------------------------
> -
```

```
402 . rdrobust ideo_imp margins if year >= 2004, c(0) fuzzy(all_100) h(4.425)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

        Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 5
---------------------+----------------------              NN matches    =
```

```
> 3
        Number of obs │      1911        2719              BW type       =     Manua
> l
 Order loc. poly. (p) │         1           1              Kernel type   = Triangula
> r
       Order bias (q) │         2           2
    BW loc. poly. (h) │     4.425       4.425
          BW bias (b) │     4.425       4.425
            rho (h/b) │     1.000       1.000

Structural Estimates. Outcome: ideo_imp. Running variable: margins. Instrument: all_1
> 00.
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
               Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
         Conventional │  -.00879    .00555    -1.5847   0.113      -.019666    .00208
> 2
               Robust │      -         -      -1.3806   0.167      -.027045     .0046
> 9
──────────────────────┼──────────────────────────────────────────────────────────────
> ─

First-Stage Estimates. Outcome: all_100. Running variable: margins.
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
               Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
         Conventional │  -2.9942    1.3914    -2.1518   0.031      -5.72138   -.26699
> 9
               Robust │      -         -      -0.9334   0.351      -5.82528    2.0666
> 9
──────────────────────┼──────────────────────────────────────────────────────────────
> ─

403 . rdrobust ideo_imp margins if year >= 2004, c(0) fuzzy(all_100) h(4.525)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 │ Left of c  Right of c              Number of obs =      3879
> 5
─────────────────────┼──────────────────────              NN matches    =
> 3
        Number of obs │      1983        2791              BW type       =     Manua
> l
```

```
 Order loc. poly. (p) |         1           1               Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     4.525       4.525
          BW bias (b) |     4.525       4.525
            rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: ideo_imp. Running variable: margins. Instrument: all_1
> 00.
---------------------+------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
---------------------+------------------------------------------------------------
> -
        Conventional |  -.00873    .00543    -1.6078   0.108      -.019376    .00191
> 2
              Robust |      -         -      -1.3960   0.163      -.026596    .00446
> 9
---------------------+------------------------------------------------------------
> -

First-Stage Estimates. Outcome: all_100. Running variable: margins.
---------------------+------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
---------------------+------------------------------------------------------------
> -
        Conventional |  -3.0118    1.3756    -2.1895   0.029      -5.70792   -.31569
> 9
              Robust |      -         -      -0.9780   0.328       -5.8512    1.9557
> 9
---------------------+------------------------------------------------------------
> -
```

```
404 . rdrobust ideo_imp margins if year >= 2004, c(0) fuzzy(all_100) h(4.625)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

        Cutoff c = 0 | Left of c  Right of c               Number of obs =      3879
> 5
---------------------+----------------------               NN matches    =
> 3
       Number of obs |      2023        2839               BW type       =     Manua
> l
 Order loc. poly. (p) |         1           1               Kernel type   = Triangula
> r
       Order bias (q) |         2           2
```

```
    BW loc. poly. (h) |     4.625       4.625
          BW bias (b) |     4.625       4.625
            rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: ideo_imp. Running variable: margins. Instrument: all_1
> 00.
--------------------+-------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
--------------------+-------------------------------------------------------------
> -
        Conventional |  -.00866    .00533    -1.6263   0.104      -.019104    .00177
> 7
              Robust |      -         -      -1.4085   0.159      -.026182    .00428
> 6
--------------------+-------------------------------------------------------------
> -

First-Stage Estimates. Outcome: all_100. Running variable: margins.
--------------------+-------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
--------------------+-------------------------------------------------------------
> -
        Conventional |  -3.0228    1.3605    -2.2219   0.026      -5.68928   -.35632
> 9
              Robust |      -         -      -1.0270   0.304      -5.88666    1.8387
> 5
--------------------+-------------------------------------------------------------
> -


405 . rdrobust ideo_imp margins if year >= 2004, c(0) fuzzy(all_100) h(4.725)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

        Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 5
--------------------+----------------------              NN matches    =
> 3
       Number of obs |      2047        2911              BW type       =     Manua
> l
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
      Order bias (q) |         2           2
    BW loc. poly. (h) |     4.725       4.725
          BW bias (b) |     4.725       4.725
            rho (h/b) |     1.000       1.000
```

```
Structural Estimates. Outcome: ideo_imp. Running variable: margins. Instrument: all_1
> 00.
─────────────────────┬──────────────────────────────────────────────────────────────
> ─
              Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
        Conventional │  -.00857    .00525    -1.6329   0.102      -.018863    .00171
> 7
              Robust │      -         -      -1.4228   0.155      -.025919    .00411
> 6
─────────────────────┴──────────────────────────────────────────────────────────────
> ─

First-Stage Estimates. Outcome: all_100. Running variable: margins.
─────────────────────┬──────────────────────────────────────────────────────────────
> ─
              Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
        Conventional │  -3.0173    1.3466    -2.2408   0.025      -5.65651   -.37812
> 2
              Robust │      -         -      -1.0848   0.278      -5.94375    1.7083
> 4
─────────────────────┴──────────────────────────────────────────────────────────────
> ─
```

```
406 . rdrobust ideo_imp margins if year >= 2004, c(0) fuzzy(all_100) h(4.825)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 5
──────────────────────┼──────────────────────              NN matches    =
> 3
        Number of obs |      2095        2967              BW type       =     Manua
> l
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     4.825       4.825
          BW bias (b) |     4.825       4.825
            rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: ideo_imp. Running variable: margins. Instrument: all_1
> 00.
```

```
--------------------------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
--------------------------------------------------------------------------------
> -
        Conventional |  -.00847    .00521    -1.6268   0.104       -.01868    .00173
> 5
              Robust |      -         -      -1.4330   0.152       -.02579    .00400
> 5
--------------------------------------------------------------------------------
> -

First-Stage Estimates. Outcome: all_100. Running variable: margins.
--------------------------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
--------------------------------------------------------------------------------
> -
        Conventional |  -2.9913    1.3331    -2.2438   0.025      -5.60413   -.37837
> 4
              Robust |      -         -      -1.1589   0.246       -6.0311    1.5489
> 8
--------------------------------------------------------------------------------
> -


407 . rdrobust ideo_imp margins if year >= 2004, c(0) fuzzy(all_100) h(4.925)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

        Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 5
---------------------+----------------------              NN matches    =
> 3
       Number of obs |      2119        3055              BW type       =     Manua
> l
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
      Order bias (q) |         2           2
   BW loc. poly. (h) |     4.925       4.925
         BW bias (b) |     4.925       4.925
           rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: ideo_imp. Running variable: margins. Instrument: all_1
> 00.
--------------------------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
```

```
> ]
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
        Conventional │   -.0083    .00511    -1.6252   0.104      -.018311     .0017
> 1
              Robust │      -         -      -1.4757   0.140      -.025601    .00360
> 8
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
```

First-Stage Estimates. Outcome: all_100. Running variable: margins.

```
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
              Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
        Conventional │  -2.9846    1.3195    -2.2619   0.024      -5.57083    -.3984
> 2
              Robust │      -         -      -1.2095   0.226      -6.06762    1.4366
> 2
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
```

```
408 . rdrobust ideo_imp margins if year >= 2004, c(0) fuzzy(all_100) h(5.025)
```

Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

```
         Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 5
─────────────────────┼──────────────────────              NN matches    =
> 3
        Number of obs |      2207        3103              BW type       =     Manua
> l
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     5.025       5.025
          BW bias (b) |     5.025       5.025
            rho (h/b) |     1.000       1.000
```

Structural Estimates. Outcome: ideo_imp. Running variable: margins. Instrument: all_1
> 00.

```
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
              Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
```

```
         Conventional |  -.00816    .00501    -1.6270   0.104      -.017981    .00166
> 9
               Robust |      -         -      -1.5079   0.132      -.025354    .00330
> 5
----------------------+------------------------------------------------------------
> -

First-Stage Estimates. Outcome: all_100. Running variable: margins.
----------------------+------------------------------------------------------------
> -
               Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
----------------------+------------------------------------------------------------
> -
         Conventional |  -2.9821    1.3066    -2.2823   0.022      -5.54301   -.42122
> 9
               Robust |      -         -      -1.2519   0.211      -6.08986     1.342
> 5
----------------------+------------------------------------------------------------
> -

409 . rdrobust ideo_imp margins if year >= 2004, c(0) fuzzy(all_100) h(5.125)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 5
----------------------+----------------------              NN matches    =
> 3
        Number of obs |      2263        3143              BW type       =     Manua
> l
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     5.125       5.125
          BW bias (b) |     5.125       5.125
            rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: ideo_imp. Running variable: margins. Instrument: all_1
> 00.
----------------------+------------------------------------------------------------
> -
               Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
----------------------+------------------------------------------------------------
> -
         Conventional |    -.008    .00492    -1.6266   0.104      -.017649    .00164
> 1
               Robust |      -         -      -1.5379   0.124      -.025089    .00302
```

```
> 8
─────────────────────┼──────────────────────────────────────────────────────────────
> ─

First-Stage Estimates. Outcome: all_100. Running variable: margins.
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
              Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
        Conventional │  -2.9779     1.294    -2.3014   0.021      -5.51408   -.44179
> 7
              Robust │      -         -      -1.2943   0.196      -6.11063    1.2499
> 4
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
```

```
410 . rdrobust ideo_imp margins if year >= 2004, c(0) fuzzy(all_100) h(5.225)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 5
─────────────────────┼──────────────────────              NN matches    =
> 3
        Number of obs |      2303        3231              BW type       =     Manua
> l
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     5.225       5.225
          BW bias (b) |     5.225       5.225
            rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: ideo_imp. Running variable: margins. Instrument: all_1
> 00.
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
              Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
        Conventional │  -.00799    .00494    -1.6187   0.106      -.017673    .00168
> 5
              Robust │      -         -      -1.5047   0.132      -.024932    .00327
> 6
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
```

First-Stage Estimates. Outcome: all_100. Running variable: margins.

Method	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
Conventional	**-2.9373**	**1.2817**	**-2.2917**	**0.022**	**-5.4494**	**-.42513**
Robust	**-**	**-**	**-1.3706**	**0.170**	**-6.1953**	**1.0962**

411 . rdrobust ideo_imp margins if year >= 2004, c(0) fuzzy(all_100) h(5.325)

Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

	Left of **c**	Right of **c**		
Cutoff c = 0			Number of obs =	**3879**
			NN matches =	
Number of obs	**2359**	**3287**	BW type =	**Manual**
Order loc. poly. (p)	**1**	**1**	Kernel type =	**Triangular**
Order bias (q)	**2**	**2**		
BW loc. poly. (h)	**5.325**	**5.325**		
BW bias (b)	**5.325**	**5.325**		
rho (h/b)	**1.000**	**1.000**		

Structural Estimates. Outcome: ideo_imp. Running variable: margins. Instrument: all_100.

Method	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
Conventional	**-.00805**	**.00501**	**-1.6079**	**0.108**	**-.017872**	**.00176**
Robust	**-**	**-**	**-1.4448**	**0.149**	**-.024845**	**.00375**

First-Stage Estimates. Outcome: all_100. Running variable: margins.

```
> ─
               Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
        Conventional │  -2.8799    1.2694    -2.2686   0.023      -5.36792   -.39180
> 1
              Robust │      -         -      -1.4588   0.145      -6.29848    .92332
> 3
──────────────────────┴──────────────────────────────────────────────────────────────
> ─
```

```
412 . rdrobust ideo_imp margins if year >= 2004, c(0) fuzzy(all_100) h(5.425)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 │ Left of c  Right of c              Number of obs =      3879
> 5
──────────────────────┼──────────────────────              NN matches    =
> 3
        Number of obs │      2405        3358              BW type       =     Manua
> l
 Order loc. poly. (p) │         1           1              Kernel type   = Triangula
> r
       Order bias (q) │         2           2
    BW loc. poly. (h) │     5.425       5.425
          BW bias (b) │     5.425       5.425
            rho (h/b) │     1.000       1.000

Structural Estimates. Outcome: ideo_imp. Running variable: margins. Instrument: all_1
> 00.
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
               Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
        Conventional │  -.00807    .00502    -1.6059   0.108      -.017913    .00177
> 9
              Robust │      -         -      -1.4140   0.157      -.024685    .00399
> 5
──────────────────────┴──────────────────────────────────────────────────────────────
> ─

First-Stage Estimates. Outcome: all_100. Running variable: margins.
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
               Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
```

```
---------------------+------------------------------------------------------------
> -
        Conventional |  -2.8472    1.2575    -2.2641   0.024      -5.31189   -.38241
> 6
              Robust |      -         -      -1.5136   0.130      -6.34018    .81468
> 4
---------------------+------------------------------------------------------------
> -
```

```
413 . rdrobust ideo_imp margins if year >= 2004, c(0) fuzzy(all_100) h(5.525)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

        Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 5
---------------------+----------------------              NN matches    =
> 3
       Number of obs |      2460        3438              BW type       =     Manua
> l
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
      Order bias (q) |         2           2
   BW loc. poly. (h) |     5.525       5.525
         BW bias (b) |     5.525       5.525
           rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: ideo_imp. Running variable: margins. Instrument: all_1
> 00.
---------------------+------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
---------------------+------------------------------------------------------------
> -
        Conventional |  -.00801    .00496    -1.6132   0.107      -.017732    .00172
> 1
              Robust |      -         -      -1.4236   0.155      -.024444    .00387
> 5
---------------------+------------------------------------------------------------
> -

First-Stage Estimates. Outcome: all_100. Running variable: margins.
---------------------+------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
---------------------+------------------------------------------------------------
> -
        Conventional |  -2.8429    1.2455    -2.2825   0.022        -5.284   -.40170
```

```
> 5
               Robust │      -         -      -1.5362   0.124      -6.32051    .76606
> 9
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
```

```
414 . rdrobust ideo_imp margins if year >= 2004, c(0) fuzzy(all_100) h(5.625)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 │ Left of c  Right of c              Number of obs =      3879
> 5
──────────────────────┼──────────────────────              NN matches    =
> 3
       Number of obs │      2540        3566              BW type       =     Manua
> l
 Order loc. poly. (p) │         1           1              Kernel type   = Triangula
> r
       Order bias (q) │         2           2
    BW loc. poly. (h) │     5.625       5.625
          BW bias (b) │     5.625       5.625
            rho (h/b) │     1.000       1.000

Structural Estimates. Outcome: ideo_imp. Running variable: margins. Instrument: all_1
> 00.
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
               Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
         Conventional │  -.00785    .00484    -1.6205   0.105      -.017336    .00164
> 4
               Robust │      -         -      -1.4743   0.140      -.024194    .00342
> 1
──────────────────────┼──────────────────────────────────────────────────────────────
> ─

First-Stage Estimates. Outcome: all_100. Running variable: margins.
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
               Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
         Conventional │  -2.8545    1.2333    -2.3145   0.021      -5.27168   -.43727
> 5
               Robust │      -         -      -1.5424   0.123      -6.26943    .74752
> 9
```

```
                    |
> —
```

```
415 . rdrobust ideo_imp margins if year >= 2004, c(0) fuzzy(all_100) h(5.725)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 5
                      |                                    NN matches    =
> 3
        Number of obs |      2636        3645              BW type       =     Manua
> l
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     5.725       5.725
          BW bias (b) |     5.725       5.725
            rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: ideo_imp. Running variable: margins. Instrument: all_1
> 00.
                    |
> —
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
                    |
> —
        Conventional |  -.00765     .0047    -1.6284   0.103      -.016865    .00155
> 8
              Robust |      -         -      -1.5366   0.124      -.023895    .00289
> 3
                    |
> —

First-Stage Estimates. Outcome: all_100. Running variable: margins.
                    |
> —
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
                    |
> —
        Conventional |  -2.8724    1.2204    -2.3537   0.019      -5.26426   -.48048
> 8
              Robust |      -         -      -1.5442   0.123      -6.20657     .7364
> 4
                    |
> —
```

```
416 . rdrobust ideo_imp margins if year >= 2004, c(0) fuzzy(all_100) h(5.825)
    Preparing data.
    Computing variance-covariance matrix.
    Computing RD estimates.
    Estimation completed.

    Sharp RD estimates using local polynomial regression.

             Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
    > 5
    ---------------------+----------------------              NN matches    =
    > 3
           Number of obs |      2668        3749              BW type       =     Manua
    > l
     Order loc. poly. (p) |         1           1              Kernel type   = Triangula
    > r
           Order bias (q) |         2           2
        BW loc. poly. (h) |     5.825       5.825
              BW bias (b) |     5.825       5.825
                rho (h/b) |     1.000       1.000

    Structural Estimates. Outcome: ideo_imp. Running variable: margins. Instrument: all_1
    > 00.
    ---------------------+------------------------------------------------------------------
    > -
                  Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
    > ]
    ---------------------+------------------------------------------------------------------
    > -
            Conventional |  -.00747    .00454    -1.6441   0.100       -.01637    .00143
    > 5
                  Robust |      -         -      -1.5998   0.110      -.023505    .00237
    > 8
    ---------------------+------------------------------------------------------------------
    > -

    First-Stage Estimates. Outcome: all_100. Running variable: margins.
    ---------------------+------------------------------------------------------------------
    > -
                  Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
    > ]
    ---------------------+------------------------------------------------------------------
    > -
            Conventional |  -2.9043    1.2075    -2.4052   0.016      -5.27087   -.53764
    > 7
                  Robust |      -         -      -1.5335   0.125      -6.12475    .74759
    > 5
    ---------------------+------------------------------------------------------------------
    > -

417 .
    end of do-file
```

```
418 . do "/var/folders/1p/ktsylbts09n7c1cbjt351qpm0000gn/T//SD24459.000000"

419 . ** Outcome: polarization
420 . rdrobust pol_pi margins if year >= 2004, c(0) fuzzy(all_100) h(5.008)
    Preparing data.
    Computing variance-covariance matrix.
    Computing RD estimates.
    Estimation completed.

    Sharp RD estimates using local polynomial regression.

            Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
    > 5
    ---------------------+----------------------              NN matches    =
    > 3
           Number of obs |      2183        3095              BW type       =     Manua
    > l
     Order loc. poly. (p) |         1           1              Kernel type   = Triangula
    > r
           Order bias (q) |         2           2
        BW loc. poly. (h) |     5.008       5.008
              BW bias (b) |     5.008       5.008
                rho (h/b) |     1.000       1.000

    Structural Estimates. Outcome: pol_pi. Running variable: margins. Instrument: all_100
    > .
    ---------------------+------------------------------------------------------------------
    > -
                  Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
    > ]
    ---------------------+------------------------------------------------------------------
    > -
           Conventional |   .02495    .01889    1.3212    0.186      -.012066    .06197
    > 3
                 Robust |      -         -      -0.0460   0.963      -.054881    .05236
    > 4
    ---------------------+------------------------------------------------------------------
    > -

    First-Stage Estimates. Outcome: all_100. Running variable: margins.
    ---------------------+------------------------------------------------------------------
    > -
                  Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
    > ]
    ---------------------+------------------------------------------------------------------
    > -
           Conventional |  -2.9814    1.3088    -2.2779   0.023      -5.54668   -.41610
    > 9
                 Robust |      -         -      -1.2457   0.213      -6.08868    1.3566
    > 1
    ---------------------+------------------------------------------------------------------
    > -
```

```
421 . rdrobust pol_pi margins if year >= 2004, c(0) fuzzy(all_100) h(5.108)
    Preparing data.
    Computing variance-covariance matrix.
    Computing RD estimates.
    Estimation completed.

    Sharp RD estimates using local polynomial regression.

             Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
    > 5
    ---------------------+----------------------              NN matches    =
    > 3
           Number of obs |      2247        3127              BW type       =     Manua
    > l
     Order loc. poly. (p) |         1           1              Kernel type   = Triangula
    > r
           Order bias (q) |         2           2
        BW loc. poly. (h) |     5.108       5.108
              BW bias (b) |     5.108       5.108
                rho (h/b) |     1.000       1.000

    Structural Estimates. Outcome: pol_pi. Running variable: margins. Instrument: all_100
    > .
    ---------------------+------------------------------------------------------------------
    > -
                  Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
    > ]
    ---------------------+------------------------------------------------------------------
    > -
            Conventional |   .02497    .01869    1.3360    0.182      -.011664    .06160
    > 5
                  Robust |       -          -      0.0256    0.980      -.052361    .05374
    > 4
    ---------------------+------------------------------------------------------------------
    > -

    First-Stage Estimates. Outcome: all_100. Running variable: margins.
    ---------------------+------------------------------------------------------------------
    > -
                  Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
    > ]
    ---------------------+------------------------------------------------------------------
    > -
            Conventional |  -2.9836    1.2961    -2.3020   0.021       -5.5239   -.44327
    > 6
                  Robust |       -          -      -1.2820   0.200      -6.09753    1.2752
    > 1
    ---------------------+------------------------------------------------------------------
    > -

422 . rdrobust pol_pi margins if year >= 2004, c(0) fuzzy(all_100) h(5.208)
    Preparing data.
```

```
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 5
----------------------+----------------------              NN matches    =
> 3
        Number of obs |      2287        3191              BW type       =     Manua
> l
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     5.208       5.208
          BW bias (b) |     5.208       5.208
            rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: pol_pi. Running variable: margins. Instrument: all_100
> .
----------------------+-----------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
----------------------+-----------------------------------------------------------------
> -
        Conventional |   .02539    .01884    1.3480    0.178      -.011529    .06231
> 2
              Robust |      -         -      0.0526    0.958      -.052018    .05488
> 8
----------------------+-----------------------------------------------------------------
> -

First-Stage Estimates. Outcome: all_100. Running variable: margins.
----------------------+-----------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
----------------------+-----------------------------------------------------------------
> -
        Conventional |  -2.9453    1.2838    -2.2942   0.022      -5.46151   -.42906
> 3
              Robust |      -         -      -1.3569   0.175      -6.17967    1.1236
> 7
----------------------+-----------------------------------------------------------------
> -

423 . rdrobust pol_pi margins if year >= 2004, c(0) fuzzy(all_100) h(5.308)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.
```

Sharp RD estimates using local polynomial regression.

Cutoff c = 0	Left of **c**	Right of **c**		
			Number of obs =	**3879**
			NN matches =	
Number of obs	**2335**	**3271**	BW type =	**Manua**
Order loc. poly. (p)	**1**	**1**	Kernel type =	**Triangula**
Order bias (q)	**2**	**2**		
BW loc. poly. (h)	**5.308**	**5.308**		
BW bias (b)	**5.308**	**5.308**		
rho (h/b)	**1.000**	**1.000**		

Structural Estimates. Outcome: pol_pi. Running variable: margins. Instrument: all_100

Method	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
Conventional	**.02596**	**.01914**	**1.3561**	**0.175**	**-.01156**	**.0634**
Robust	**-**	**-**	**0.0637**	**0.949**	**-.052547**	**.05607**

First-Stage Estimates. Outcome: all_100. Running variable: margins.

Method	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
Conventional	**-2.888**	**1.2715**	**-2.2713**	**0.023**	**-5.38005**	**-.39587**
Robust	**-**	**-**	**-1.4462**	**0.148**	**-6.28542**	**.94801**

```
424 . rdrobust pol_pi margins if year >= 2004, c(0) fuzzy(all_100) h(5.408)
```

Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

```
         Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 5
----------------------+----------------------              NN matches    =
> 3
        Number of obs |      2398        3334              BW type       =     Manua
> l
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     5.408       5.408
          BW bias (b) |     5.408       5.408
            rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: pol_pi. Running variable: margins. Instrument: all_100
> .
----------------------+-------------------------------------------------------------
> -
               Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
----------------------+-------------------------------------------------------------
> -
         Conventional |    .0261    .01923    1.3570    0.175      -.011598    .06380
> 1
               Robust |      -         -      0.1074    0.914      -.051586    .05756
> 5
----------------------+-------------------------------------------------------------
> -

First-Stage Estimates. Outcome: all_100. Running variable: margins.
----------------------+-------------------------------------------------------------
> -
               Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
----------------------+-------------------------------------------------------------
> -
         Conventional |  -2.8512    1.2596    -2.2636   0.024      -5.31987   -.38244
> 1
               Robust |      -         -      -1.5063   0.132       -6.3369    .82947
> 2
----------------------+-------------------------------------------------------------
> -


425 . rdrobust pol_pi margins if year >= 2004, c(0) fuzzy(all_100) h(5.508)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 5
----------------------+----------------------              NN matches    =
```

```
> 3
        Number of obs │      2444        3430              BW type       =     Manua
> l
 Order loc. poly. (p) │         1           1              Kernel type   = Triangula
> r
       Order bias (q) │         2           2
    BW loc. poly. (h) │     5.508       5.508
          BW bias (b) │     5.508       5.508
            rho (h/b) │     1.000       1.000

Structural Estimates. Outcome: pol_pi. Running variable: margins. Instrument: all_100
> .
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
              Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
        Conventional │   .02604     .0191    1.3636    0.173       -.01139    .06347
> 6
              Robust │      -         -      0.1711    0.864      -.049469     .0589
> 3
──────────────────────┴──────────────────────────────────────────────────────────────
> ─

First-Stage Estimates. Outcome: all_100. Running variable: margins.
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
              Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
        Conventional │  -2.8416    1.2475    -2.2778   0.023       -5.2867   -.39645
> 1
              Robust │      -         -      -1.5346   0.125      -6.32775    .77028
> 4
──────────────────────┴──────────────────────────────────────────────────────────────
> ─


426 . rdrobust pol_pi margins if year >= 2004, c(0) fuzzy(all_100) h(5.608)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 │ Left of c  Right of c              Number of obs =      3879
> 5
─────────────────────┼──────────────────────              NN matches    =
> 3
        Number of obs │      2508        3542              BW type       =     Manua
> l
```

```
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     5.608       5.608
          BW bias (b) |     5.608       5.608
            rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: pol_pi. Running variable: margins. Instrument: all_100
> .
---------------------+------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
---------------------+------------------------------------------------------------
> -
        Conventional |    .0258     .0188    1.3722    0.170       -.01105    .06264
> 1
              Robust |      -         -      0.2503    0.802      -.046551    .06017
> 9
---------------------+------------------------------------------------------------
> -

First-Stage Estimates. Outcome: all_100. Running variable: margins.
---------------------+------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
---------------------+------------------------------------------------------------
> -
        Conventional |  -2.8506    1.2355    -2.3073   0.021      -5.27209   -.42909
> 9
              Robust |      -         -      -1.5430   0.123      -6.28206    .74771
> 4
---------------------+------------------------------------------------------------
> -


427 . rdrobust pol_pi margins if year >= 2004, c(0) fuzzy(all_100) h(5.708)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

        Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 5
---------------------+----------------------              NN matches    =
> 3
       Number of obs |      2604        3629              BW type       =     Manua
> l
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
```

```
    BW loc. poly. (h) |     5.708       5.708
          BW bias (b) |     5.708       5.708
            rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: pol_pi. Running variable: margins. Instrument: all_100
> .
---------------------+------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
---------------------+------------------------------------------------------------
> -
        Conventional |   .02547    .01841    1.3837    0.166      -.010608    .06154
> 8
              Robust |      -         -      0.3361    0.737      -.043301    .06122
> 7
---------------------+------------------------------------------------------------
> -

First-Stage Estimates. Outcome: all_100. Running variable: margins.
---------------------+------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
---------------------+------------------------------------------------------------
> -
        Conventional |  -2.8701    1.2226    -2.3475   0.019      -5.26635   -.47380
> 8
              Robust |      -         -      -1.5430   0.123       -6.2159    .73985
> 8
---------------------+------------------------------------------------------------
> -


428 . rdrobust pol_pi margins if year >= 2004, c(0) fuzzy(all_100) h(5.808)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

        Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 5
---------------------+----------------------              NN matches    =
> 3
       Number of obs |      2660        3725              BW type       =     Manua
> l
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
      Order bias (q) |         2           2
    BW loc. poly. (h) |     5.808       5.808
          BW bias (b) |     5.808       5.808
            rho (h/b) |     1.000       1.000
```

```
Structural Estimates. Outcome: pol_pi. Running variable: margins. Instrument: all_100
> .
─────────────────────┬──────────────────────────────────────────────────────────────────
> ─
              Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
─────────────────────┼──────────────────────────────────────────────────────────────────
> ─
        Conventional │   .02514    .01796    1.4003    0.161      -.010049    .06033
> 9
              Robust │       -          -      0.4198    0.675      -.040087    .06194
> 1
─────────────────────┴──────────────────────────────────────────────────────────────────
> ─

First-Stage Estimates. Outcome: all_100. Running variable: margins.
─────────────────────┬──────────────────────────────────────────────────────────────────
> ─
              Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
─────────────────────┼──────────────────────────────────────────────────────────────────
> ─
        Conventional │  -2.9001    1.2096    -2.3975   0.017      -5.27087   -.52929
> 8
              Robust │       -          -      -1.5339   0.125      -6.13539    .74825
> 7
─────────────────────┴──────────────────────────────────────────────────────────────────
> ─


429 . rdrobust pol_pi margins if year >= 2004, c(0) fuzzy(all_100) h(5.908)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 5
─────────────────────┼──────────────────────              NN matches    =
> 3
       Number of obs |      2684        3813              BW type       =     Manua
> l
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
   BW loc. poly. (h) |     5.908       5.908
         BW bias (b) |     5.908       5.908
           rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: pol_pi. Running variable: margins. Instrument: all_100
> .
```

```
--------------------------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
--------------------------------------------------------------------------------
> -
        Conventional |   .02494    .01766    1.4124    0.158       -.00967    .05955
> 3
              Robust |      -         -      0.4821    0.630      -.037876    .06258
> 9
--------------------------------------------------------------------------------
> -

First-Stage Estimates. Outcome: all_100. Running variable: margins.
--------------------------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
--------------------------------------------------------------------------------
> -
        Conventional |  -2.9124    1.1973    -2.4324   0.015      -5.25907   -.56569
> 6
              Robust |      -         -      -1.5452   0.122      -6.09816    .72162
> 3
--------------------------------------------------------------------------------
> -


430 . rdrobust pol_pi margins if year >= 2004, c(0) fuzzy(all_100) h(6.008)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

        Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 5
---------------------+----------------------              NN matches    =
> 3
       Number of obs |      2732        3893              BW type       =     Manua
> l
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
      Order bias (q) |         2           2
   BW loc. poly. (h) |     6.008       6.008
         BW bias (b) |     6.008       6.008
           rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: pol_pi. Running variable: margins. Instrument: all_100
> .
--------------------------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
```

```
> ]
```

Conventional	.02493	.01748	1.4264	0.154	−.009324	.05917
Robust	−	−	0.5224	0.601	−.036516	.06305

```
> 7
> 7
```

```
> −
```

First-Stage Estimates. Outcome: all_100. Running variable: margins.

Method	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
Conventional	−2.9142	1.1857	−2.4578	0.014	−5.23817	−.59026
Robust	−	−	−1.5661	0.117	−6.08284	.67936

```
> 9
> 6
> −
```

```
431 . rdrobust pol_pi margins if year >= 2004, c(0) fuzzy(all_100) h(6.108)
```

Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

Cutoff c = 0	Left of **c**	Right of **c**		
Number of obs	**2764**	**3948**	BW type	**Manua**
Order loc. poly. (p)	**1**	**1**	Kernel type	**Triangula**
Order bias (q)	**2**	**2**		
BW loc. poly. (h)	**6.108**	**6.108**		
BW bias (b)	**6.108**	**6.108**		
rho (h/b)	**1.000**	**1.000**		

```
Number of obs =      3879
> 5
NN matches    =
> 3
> l
> r
```

Structural Estimates. Outcome: pol_pi. Running variable: margins. Instrument: all_100

```
> .
> −
```

Method	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]

```
> ]
> −
```

```
        Conventional |   .02504    .01741    1.4385    0.150      -.009078    .05915
> 9
              Robust |      -         -      0.5443    0.586       -.03588    .06347
> 4
---------------------+------------------------------------------------------------
> —

First-Stage Estimates. Outcome: all_100. Running variable: margins.
---------------------+------------------------------------------------------------
> —
              Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
---------------------+------------------------------------------------------------
> —
        Conventional |  -2.9027    1.1749    -2.4706   0.013      -5.20546   -.59991
> 1
              Robust |      -         -      -1.5981   0.110      -6.09115    .61950
> 8
---------------------+------------------------------------------------------------
> —
```

```
432 . rdrobust pol_pi margins if year >= 2004, c(0) fuzzy(all_100) h(6.208)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

        Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 5
---------------------+----------------------              NN matches    =
> 3
       Number of obs |      2836        4011              BW type       =     Manua
> l
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     6.208       6.208
          BW bias (b) |     6.208       6.208
            rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: pol_pi. Running variable: margins. Instrument: all_100
> .
---------------------+------------------------------------------------------------
> —
              Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
---------------------+------------------------------------------------------------
> —
        Conventional |   .02518    .01733    1.4527    0.146      -.008792    .05914
> 9
              Robust |      -         -      0.5634    0.573      -.035299    .06377
```

```
> 9
─────────────────────┼──────────────────────────────────────────────────────────────
> ─

First-Stage Estimates. Outcome: all_100. Running variable: margins.
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
              Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
        Conventional │   -2.894    1.1644    -2.4853   0.013      -5.17618    -.6117
> 5
              Robust │      -         -      -1.6248   0.104      -6.09093    .56954
> 2
─────────────────────┼──────────────────────────────────────────────────────────────
> ─


433 . rdrobust pol_pi margins if year >= 2004, c(0) fuzzy(all_100) h(6.308)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 5
─────────────────────┼──────────────────────              NN matches    =
> 3
       Number of obs |      2860        4083              BW type       =     Manua
> l
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
   BW loc. poly. (h) |     6.308       6.308
         BW bias (b) |     6.308       6.308
           rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: pol_pi. Running variable: margins. Instrument: all_100
> .
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
              Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
        Conventional │   .02518    .01711    1.4721    0.141      -.008347    .05871
> 6
              Robust │      -         -      0.5980    0.550      -.034028    .06391
> 4
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
```

First-Stage Estimates. Outcome: all_100. Running variable: margins.

```
> ─
               Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
         Conventional │  -2.9068    1.1542    -2.5184   0.012      -5.16896   -.64458
> 1
               Robust │      -         -      -1.6277   0.104      -6.05098     .5604
> 6
──────────────────────┴──────────────────────────────────────────────────────────────
> ─
```

```
434 . rdrobust pol_pi margins if year >= 2004, c(0) fuzzy(all_100) h(6.408)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 5
─────────────────────┼──────────────────────              NN matches    =
> 3
        Number of obs |      2900        4178              BW type       =     Manua
> l
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     6.408       6.408
          BW bias (b) |     6.408       6.408
            rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: pol_pi. Running variable: margins. Instrument: all_100
> .
──────────────────────┬──────────────────────────────────────────────────────────────
> ─
               Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
         Conventional │   .02517    .01693    1.4867    0.137      -.008014    .05835
> 9
               Robust │      -         -      0.6301    0.529      -.032931    .06413
> 9
──────────────────────┴──────────────────────────────────────────────────────────────
> ─

First-Stage Estimates. Outcome: all_100. Running variable: margins.
──────────────────────┬──────────────────────────────────────────────────────────────
```

```
> ─
               Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
        Conventional │  -2.9119    1.1442    -2.5448   0.011      -5.15452   -.66923
> 2
               Robust │      -         -      -1.6400   0.101      -6.02749    .53575
> 5
──────────────────────┴──────────────────────────────────────────────────────────────
> ─
```

```
435 . rdrobust pol_pi margins if year >= 2004, c(0) fuzzy(all_100) h(6.508)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 │ Left of c  Right of c              Number of obs =      3879
> 5
──────────────────────┼──────────────────────              NN matches    =
> 3
        Number of obs │      2932        4274              BW type       =     Manua
> l
 Order loc. poly. (p) │         1           1              Kernel type   = Triangula
> r
       Order bias (q) │         2           2
    BW loc. poly. (h) │     6.508       6.508
          BW bias (b) │     6.508       6.508
            rho (h/b) │     1.000       1.000

Structural Estimates. Outcome: pol_pi. Running variable: margins. Instrument: all_100
> .
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
               Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
        Conventional │   .02519    .01686    1.4938    0.135       -.00786    .05823
> 3
               Robust │      -         -      0.6526    0.514      -.032282    .06450
> 7
──────────────────────┴──────────────────────────────────────────────────────────────
> ─

First-Stage Estimates. Outcome: all_100. Running variable: margins.
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
               Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
```

```
---------------------+------------------------------------------------------------
> -
         Conventional |  -2.9008    1.1346    -2.5567   0.011      -5.12454   -.67701
> 6
               Robust |      -         -      -1.6698   0.095      -6.03428    .48246
> 5
---------------------+------------------------------------------------------------
> -
```

```
436 . rdrobust pol_pi margins if year >= 2004, c(0) fuzzy(all_100) h(6.608)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 5
---------------------+----------------------              NN matches    =
> 3
        Number of obs |      2964        4322              BW type       =     Manua
> l
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     6.608       6.608
          BW bias (b) |     6.608       6.608
            rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: pol_pi. Running variable: margins. Instrument: all_100
> .
---------------------+------------------------------------------------------------
> -
               Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
---------------------+------------------------------------------------------------
> -
         Conventional |   .02542    .01695    1.4999    0.134      -.007799    .05864
> 8
               Robust |      -         -      0.6494    0.516      -.032574    .06485
> 3
---------------------+------------------------------------------------------------
> -

First-Stage Estimates. Outcome: all_100. Running variable: margins.
---------------------+------------------------------------------------------------
> -
               Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
---------------------+------------------------------------------------------------
> -
         Conventional |    -2.87    1.1253    -2.5505   0.011       -5.0756   -.66449
```

```
> 9
               Robust │      -         -      -1.7190   0.086      -6.07408    .39780
> 1
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
```

```
437 . *** Baseline: automatic BW selection
438 . rdrobust pol_pi margins if year >= 2004, c(0) fuzzy(all_100) h(6.708)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 │ Left of c  Right of c              Number of obs =      3879
> 5
─────────────────────┼──────────────────────              NN matches    =
> 3
        Number of obs │      2988        4362              BW type       =     Manua
> l
 Order loc. poly. (p) │         1           1              Kernel type   = Triangula
> r
       Order bias (q) │         2           2
    BW loc. poly. (h) │     6.708       6.708
          BW bias (b) │     6.708       6.708
            rho (h/b) │     1.000       1.000

Structural Estimates. Outcome: pol_pi. Running variable: margins. Instrument: all_100
> .
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
               Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
         Conventional │   .02554    .01694    1.5074    0.132      -.007666    .05873
> 9
               Robust │      -         -      0.6596    0.510       -.03234    .06514
> 8
──────────────────────┼──────────────────────────────────────────────────────────────
> ─

First-Stage Estimates. Outcome: all_100. Running variable: margins.
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
               Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
         Conventional │  -2.8541    1.1166    -2.5560   0.011      -5.04263    -.6655
> 6
               Robust │      -         -      -1.7485   0.080      -6.08401    .34688
```

```
> 8
────────────────────┴────────────────────────────────────────────────────────────
> ─

439 . rdrobust pol_pi margins if year >= 2004, c(0) fuzzy(all_100) h(6.808)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 │ Left of c  Right of c              Number of obs =      3879
> 5
────────────────────┼────────────────────              NN matches    =
> 3
        Number of obs │      3020        4458              BW type       =     Manua
> l
 Order loc. poly. (p) │         1           1              Kernel type   = Triangula
> r
       Order bias (q) │         2           2
    BW loc. poly. (h) │     6.808       6.808
          BW bias (b) │     6.808       6.808
            rho (h/b) │     1.000       1.000

Structural Estimates. Outcome: pol_pi. Running variable: margins. Instrument: all_100
> .
────────────────────┴────────────────────────────────────────────────────────────
> ─
              Method │    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
────────────────────┼────────────────────────────────────────────────────────────
> ─
        Conventional │   .02561     .0169    1.5151    0.130       -.00752    .05874
> 5
              Robust │      -         -      0.6732    0.501      -.031969     .0654
> 2
────────────────────┴────────────────────────────────────────────────────────────
> ─

First-Stage Estimates. Outcome: all_100. Running variable: margins.
────────────────────┴────────────────────────────────────────────────────────────
> ─
              Method │    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
────────────────────┼────────────────────────────────────────────────────────────
> ─
        Conventional │  -2.8422    1.1083    -2.5644   0.010      -5.01441   -.66993
> 5
              Robust │      -         -      -1.7723   0.076      -6.08533    .30589
> 5
────────────────────┴────────────────────────────────────────────────────────────
> ─
```

```
440 . rdrobust pol_pi margins if year >= 2004, c(0) fuzzy(all_100) h(6.908)
    Preparing data.
    Computing variance-covariance matrix.
    Computing RD estimates.
    Estimation completed.

    Sharp RD estimates using local polynomial regression.

            Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
    > 5
    ---------------------+----------------------              NN matches    =
    > 3
           Number of obs |      3043        4546              BW type       =     Manua
    > l
     Order loc. poly. (p) |         1           1              Kernel type   = Triangula
    > r
           Order bias (q) |         2           2
        BW loc. poly. (h) |     6.908       6.908
              BW bias (b) |     6.908       6.908
                rho (h/b) |     1.000       1.000

    Structural Estimates. Outcome: pol_pi. Running variable: margins. Instrument: all_100
    > .
    ---------------------+------------------------------------------------------------------
    > ---
                  Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
    > ]
    ---------------------+------------------------------------------------------------------
    > ---
            Conventional |   .02547    .01671    1.5241    0.127      -.007284    .05822
    > 7
                  Robust |      -         -      0.7119    0.477      -.030684     .0656
    > 9
    ---------------------+------------------------------------------------------------------
    > ---

    First-Stage Estimates. Outcome: all_100. Running variable: margins.
    ---------------------+------------------------------------------------------------------
    > ---
                  Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
    > ]
    ---------------------+------------------------------------------------------------------
    > ---
            Conventional |  -2.8504    1.1001   -2.5910   0.010      -5.00663   -.69417
    > 1
                  Robust |      -         -     -1.7732   0.076      -6.04837     .3026
    > 5
    ---------------------+------------------------------------------------------------------
    > ---

441 . rdrobust pol_pi margins if year >= 2004, c(0) fuzzy(all_100) h(7.008)
```

```
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

        Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 5
---------------------+----------------------              NN matches    =
> 3
       Number of obs |      3091        4633              BW type       =     Manua
> l
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     7.008       7.008
          BW bias (b) |     7.008       7.008
            rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: pol_pi. Running variable: margins. Instrument: all_100
> .
---------------------+------------------------------------------------------------------
> -
             Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
---------------------+------------------------------------------------------------------
> -
       Conventional |    .0253    .01648    1.5349    0.125      -.007007     .0576
> 1
             Robust |       -          -      0.7534    0.451      -.029281    .06584
> 4
---------------------+------------------------------------------------------------------
> -

First-Stage Estimates. Outcome: all_100. Running variable: margins.
---------------------+------------------------------------------------------------------
> -
             Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
---------------------+------------------------------------------------------------------
> -
       Conventional |  -2.8643     1.092    -2.6229   0.009      -5.00468   -.72394
> 7
             Robust |       -          -      -1.7692   0.077      -6.00292     .3071
> 4
---------------------+------------------------------------------------------------------
> -
```

```
442 . rdrobust pol_pi margins if year >= 2004, c(0) fuzzy(all_100) h(7.108)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
```

```
Estimation completed.

Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 5
----------------------+----------------------              NN matches    =
> 3
        Number of obs |      3099        4705              BW type       =     Manua
> l
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     7.108       7.108
          BW bias (b) |     7.108       7.108
            rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: pol_pi. Running variable: margins. Instrument: all_100
> .
----------------------+-------------------------------------------------------------
> -
               Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
----------------------+-------------------------------------------------------------
> -
         Conventional |   .02519    .01631    1.5447    0.122      -.006772    .05715
> 1
               Robust |      -         -      0.7855    0.432      -.028211    .06594
> 8
----------------------+-------------------------------------------------------------
> -

First-Stage Estimates. Outcome: all_100. Running variable: margins.
----------------------+-------------------------------------------------------------
> -
               Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
----------------------+-------------------------------------------------------------
> -
         Conventional |  -2.8722    1.0842    -2.6491   0.008      -4.99724   -.74718
> 7
               Robust |      -         -      -1.7730   0.076      -5.97117    .29908
> 8
----------------------+-------------------------------------------------------------
> -


443 . rdrobust pol_pi margins if year >= 2004, c(0) fuzzy(all_100) h(7.208)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.
```

```
         Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 5
---------------------+----------------------              NN matches    =
> 3
        Number of obs |      3122        4840              BW type       =     Manua
> l
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     7.208       7.208
          BW bias (b) |     7.208       7.208
            rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: pol_pi. Running variable: margins. Instrument: all_100
> .
---------------------+------------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
---------------------+------------------------------------------------------------------
> -
        Conventional |   .02511    .01621    1.5492    0.121      -.006658    .05688
> 3
              Robust |      -         -      0.8094    0.418      -.027484     .0661
> 5
---------------------+------------------------------------------------------------------
> -

First-Stage Estimates. Outcome: all_100. Running variable: margins.
---------------------+------------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
---------------------+------------------------------------------------------------------
> -
        Conventional |  -2.8674    1.0764    -2.6639   0.008      -4.97713   -.75773
> 8
              Robust |      -         -      -1.7929   0.073      -5.96361    .26551
> 4
---------------------+------------------------------------------------------------------
> -
```

```
444 . rdrobust pol_pi margins if year >= 2004, c(0) fuzzy(all_100) h(7.308)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 5
```

```
──────────────────────┼───────────────────────             NN matches    =
> 3
        Number of obs │      3185        4966              BW type       =     Manua
> l
 Order loc. poly. (p) │         1           1              Kernel type   = Triangula
> r
       Order bias (q) │         2           2
    BW loc. poly. (h) │     7.308       7.308
          BW bias (b) │     7.308       7.308
            rho (h/b) │     1.000       1.000

Structural Estimates. Outcome: pol_pi. Running variable: margins. Instrument: all_100
> .
──────────────────────┬──────────────────────────────────────────────────────────
> ─
               Method │    Coef.    Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
──────────────────────┼──────────────────────────────────────────────────────────
> ─
         Conventional │  .02512    .01613    1.5572    0.119      -.006496    .05672
> 8
               Robust │     -         -      0.8252    0.409      -.026974    .06620
> 3
──────────────────────┴──────────────────────────────────────────────────────────
> ─

First-Stage Estimates. Outcome: all_100. Running variable: margins.
──────────────────────┬──────────────────────────────────────────────────────────
> ─
               Method │    Coef.    Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
──────────────────────┼──────────────────────────────────────────────────────────
> ─
         Conventional │ -2.8617    1.0684   -2.6785    0.007      -4.95577   -.76773
> 1
               Robust │     -         -     -1.8137    0.070      -5.95473    .23079
> 8
──────────────────────┴──────────────────────────────────────────────────────────
> ─


445 . rdrobust pol_pi margins if year >= 2004, c(0) fuzzy(all_100) h(7.408)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 │ Left of c  Right of c              Number of obs =      3879
> 5
──────────────────────┼───────────────────────             NN matches    =
> 3
        Number of obs │      3225        5078              BW type       =     Manua
```

```
> l
 Order loc. poly. (p) |         1           1               Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     7.408       7.408
          BW bias (b) |     7.408       7.408
            rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: pol_pi. Running variable: margins. Instrument: all_100
> .
---------------------+------------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
---------------------+------------------------------------------------------------------
> -
        Conventional |    .0251    .01598    1.5703    0.116      -.006227    .05642
> 2
              Robust |      -         -      0.8468    0.397       -.02622    .06610
> 7
---------------------+------------------------------------------------------------------
> -

First-Stage Estimates. Outcome: all_100. Running variable: margins.
---------------------+------------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
---------------------+------------------------------------------------------------------
> -
        Conventional |  -2.8668    1.0603    -2.7037   0.007      -4.94505   -.78861
> 8
              Robust |      -         -      -1.8213   0.069      -5.92386    .21721
> 4
---------------------+------------------------------------------------------------------
> -


446 . rdrobust pol_pi margins if year >= 2004, c(0) fuzzy(all_100) h(7.508)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

        Cutoff c = 0 | Left of c  Right of c               Number of obs =      3879
> 5
---------------------+----------------------               NN matches    =
> 3
       Number of obs |      3233        5174               BW type       =     Manua
> l
 Order loc. poly. (p) |         1           1               Kernel type   = Triangula
> r
```

```
       Order bias (q) |         2           2
    BW loc. poly. (h) |     7.508       7.508
          BW bias (b) |     7.508       7.508
            rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: pol_pi. Running variable: margins. Instrument: all_100
> .
---------------------+------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
---------------------+------------------------------------------------------------
> -
        Conventional |   .02505    .01581    1.5846    0.113      -.005933    .05603
> 1
              Robust |      -         -      0.8719    0.383      -.025347     .0659
> 7
---------------------+------------------------------------------------------------
> -

First-Stage Estimates. Outcome: all_100. Running variable: margins.
---------------------+------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
---------------------+------------------------------------------------------------
> -
        Conventional |  -2.8765    1.0524    -2.7334   0.006      -4.93916     -.813
> 9
              Robust |      -         -      -1.8238   0.068      -5.88574    .21176
> 6
---------------------+------------------------------------------------------------
> -


447 . rdrobust pol_pi margins if year >= 2004, c(0) fuzzy(all_100) h(7.608)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

        Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 5
---------------------+----------------------              NN matches    =
> 3
       Number of obs |      3257        5293              BW type       =     Manua
> l
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     7.608       7.608
          BW bias (b) |     7.608       7.608
```

```
            rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: pol_pi. Running variable: margins. Instrument: all_100
> .
----------------------+-------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
----------------------+-------------------------------------------------------------
> -
        Conventional |   .02509    .01563    1.6053    0.108      -.005543     .0557
> 2
              Robust |      -         -      0.8902    0.373      -.024641    .06565
> 2
----------------------+-------------------------------------------------------------
> -

First-Stage Estimates. Outcome: all_100. Running variable: margins.
----------------------+-------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
----------------------+-------------------------------------------------------------
> -
        Conventional |  -2.8905    1.0446    -2.7670   0.006       -4.9379    -.8430
> 8
              Robust |      -         -      -1.8212   0.069      -5.84109    .21438
> 6
----------------------+-------------------------------------------------------------
> -


448 . rdrobust pol_pi margins if year >= 2004, c(0) fuzzy(all_100) h(7.708)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

        Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 5
----------------------+----------------------              NN matches    =
> 3
       Number of obs |      3305        5436              BW type       =     Manua
> l
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
      Order bias (q) |         2           2
   BW loc. poly. (h) |     7.708       7.708
         BW bias (b) |     7.708       7.708
           rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: pol_pi. Running variable: margins. Instrument: all_100
```

```
> .
```

Method	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
Conventional	.025	.01547	1.6158	0.106	-.005323	.05531
Robust	-	-	0.9161	0.360	-.023799	.06557

First-Stage Estimates. Outcome: all_100. Running variable: margins.

Method	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
Conventional	-2.8969	1.0368	-2.7940	0.005	-4.92906	-.86474
Robust	-	-	-1.8305	0.067	-5.8144	.19864

```
449 . rdrobust pol_pi margins if year >= 2004, c(0) fuzzy(all_100) h(7.808)
```

Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

Cutoff c = 0	Left of c	Right of c		
Number of obs	3336	5508	Number of obs =	3879
			NN matches =	
Order loc. poly. (p)	1	1	BW type =	Manua
Order bias (q)	2	2	Kernel type =	Triangula
BW loc. poly. (h)	7.808	7.808		
BW bias (b)	7.808	7.808		
rho (h/b)	1.000	1.000		

Structural Estimates. Outcome: pol_pi. Running variable: margins. Instrument: all_100

```
> .
```

```
              Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
---------------------+--------------------------------------------------------------
> —
        Conventional |   .02488    .01531    1.6249    0.104       -.00513     .05488
> 8
              Robust |       –          –      0.9424    0.346      -.022964      .065
> 5
---------------------+--------------------------------------------------------------
> —

First-Stage Estimates. Outcome: all_100. Running variable: margins.
---------------------+--------------------------------------------------------------
> —
              Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
---------------------+--------------------------------------------------------------
> —
        Conventional |  -2.9031    1.0293    -2.8206   0.005      -4.92038   -.88577
> 3
              Robust |       –          –      -1.8400   0.066      -5.78961    .18273
> 3
---------------------+--------------------------------------------------------------
> —
```

```
450 . rdrobust pol_pi margins if year >= 2004, c(0) fuzzy(all_100) h(7.908)
Preparing data.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 5
----------------------+----------------------              NN matches    =
> 3
        Number of obs |      3344        5612              BW type       =     Manua
> l
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     7.908       7.908
          BW bias (b) |     7.908       7.908
            rho (h/b) |     1.000       1.000

Structural Estimates. Outcome: pol_pi. Running variable: margins. Instrument: all_100
> .
---------------------+--------------------------------------------------------------
> —
              Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
---------------------+--------------------------------------------------------------
```

```
> ─
        Conventional │    .0247     .0151    1.6360    0.102      −.004892    .05430
> 1
              Robust │      −         −      0.9759    0.329      −.021908    .06535
> 6
─────────────────────┴──────────────────────────────────────────────────────────────
> ─

First−Stage Estimates. Outcome: all_100. Running variable: margins.
─────────────────────┬──────────────────────────────────────────────────────────────
> ─
              Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
        Conventional │  −2.9186     1.022    −2.8557   0.004      −4.92175   −.91545
> 9
              Robust │      −         −      −1.8379   0.066      −5.74957     .1848
> 6
─────────────────────┴──────────────────────────────────────────────────────────────
> ─
```

```
451 . rdrobust pol_pi margins if year >= 2004, c(0) fuzzy(all_100) h(8.008)
Preparing data.
Computing variance−covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

        Cutoff c = 0 │ Left of c  Right of c              Number of obs =      3879
> 5
─────────────────────┼──────────────────────              NN matches    =
> 3
       Number of obs │      3368        5716              BW type       =     Manua
> l
 Order loc. poly. (p) │         1           1              Kernel type   = Triangula
> r
       Order bias (q) │         2           2
   BW loc. poly. (h) │     8.008       8.008
         BW bias (b) │     8.008       8.008
           rho (h/b) │     1.000       1.000

Structural Estimates. Outcome: pol_pi. Running variable: margins. Instrument: all_100
> .
─────────────────────┬──────────────────────────────────────────────────────────────
> ─
              Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
        Conventional │    .0244    .01486    1.6421    0.101      −.004723    .05352
> 7
```

```
                Robust │      -         -      1.0197    0.308      -.020605    .06529
> 6
──────────────────────┼──────────────────────────────────────────────────────────────────
> ─

First-Stage Estimates. Outcome: all_100. Running variable: margins.
──────────────────────┼──────────────────────────────────────────────────────────────────
> ─
                Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
──────────────────────┼──────────────────────────────────────────────────────────────────
> ─
         Conventional │  -2.9377    1.0152    -2.8937   0.004      -4.92748   -.94792
> 4
                Robust │      -         -      -1.8316   0.067      -5.70611    .19318
> 3
──────────────────────┼──────────────────────────────────────────────────────────────────
> ─


452 .
453 .
454 .
455 .
    end of do-file

456 . do "/var/folders/1p/ktsylbts09n7c1cbjt351qpm0000gn/T//SD24459.000000"

457 . ***************
458 . ** Appendix A: Distribution of evangelical candidates across political parties
459 . ***************
460 .
461 . *Table 1: Distribution of evangelical candidates competing in local council electio
    > ns across political parties (2000-2024)
462 .
463 . * To replicate Table 1 reported in the Appendix, use the file "df_comb_cand_vereado
    > res.dta"
464 .
465 . use "/Users/victoraraujosilva/Library/CloudStorage/GoogleDrive-victor.asaraujo@alum
    > ni.usp.br/My Drive/Igrejas_political outcomes/psrm_materials/df_comb_cand_vereadore
    > s.dta", clear
    (Written by R.              )

466 .
467 . tab SG_PARTIDO pastor_dummy,col

        ┌──────────────────┐
        │ Key              │
        ├──────────────────┤
        │    frequency     │
        │ column percentage│
        └──────────────────┘

                    │     pastor_dummy
```

SG_PARTIDO	0	1	Total
AGIR	**7,030** **0.24**	**97** **0.50**	**7,127** **0.24**
AVANTE	**29,704** **1.01**	**344** **1.78**	**30,048** **1.02**
CIDADANIA	**21,106** **0.72**	**154** **0.80**	**21,260** **0.72**
DC	**11,278** **0.38**	**185** **0.96**	**11,463** **0.39**
DEM	**98,695** **3.37**	**601** **3.11**	**99,296** **3.36**
MDB	**81,873** **2.79**	**496** **2.57**	**82,369** **2.79**
MOBILIZA	**6,232** **0.21**	**67** **0.35**	**6,299** **0.21**
NOVO	**7,701** **0.26**	**68** **0.35**	**7,769** **0.26**
PAN	**4,606** **0.16**	**33** **0.17**	**4,639** **0.16**
PATRIOTA	**22,994** **0.78**	**280** **1.45**	**23,274** **0.79**
PC do B	**51,868** **1.77**	**178** **0.92**	**52,046** **1.76**
PCB	**2,103** **0.07**	**6** **0.03**	**2,109** **0.07**
PCO	**697** **0.02**	**4** **0.02**	**701** **0.02**
PDT	**168,528** **5.75**	**886** **4.59**	**169,414** **5.74**
PFL	**75,454** **2.57**	**239** **1.24**	**75,693** **2.56**
PGT	**1,507** **0.05**	**9** **0.05**	**1,516** **0.05**
PHS	**34,207** **1.17**	**271** **1.40**	**34,478** **1.17**
PL	**104,277**	**963**	**105,240**

	3.56	4.99	3.56
PMB	11,015	134	11,149
	0.38	0.69	0.38
PMDB	211,884	711	212,595
	7.22	3.69	7.20
PMN	37,481	309	37,790
	1.28	1.60	1.28
PODE	41,566	476	42,042
	1.42	2.47	1.42
PP	179,619	1,040	180,659
	6.12	5.39	6.12
PPB	33,600	71	33,671
	1.15	0.37	1.14
PPL	5,650	46	5,696
	0.19	0.24	0.19
PPS	91,080	437	91,517
	3.11	2.26	3.10
PR	62,833	387	63,220
	2.14	2.01	2.14
PRB	39,293	620	39,913
	1.34	3.21	1.35
PRD	16,127	206	16,333
	0.55	1.07	0.55
PRN	1,170	3	1,173
	0.04	0.02	0.04
PRONA	4,064	25	4,089
	0.14	0.13	0.14
PROS	21,501	190	21,691
	0.73	0.98	0.73
PRP	32,869	209	33,078
	1.12	1.08	1.12
PRTB	35,439	312	35,751
	1.21	1.62	1.21
PSB	152,396	854	153,250
	5.20	4.43	5.19
PSC	77,263	1,159	78,422

	2.63	**6.01**	**2.66**
PSD	**132,787**	**867**	**133,654**
	4.53	**4.49**	**4.53**
PSDB	**220,665**	**1,149**	**221,814**
	7.52	**5.96**	**7.51**
PSDC	**30,150**	**286**	**30,436**
	1.03	**1.48**	**1.03**
PSL	**59,480**	**493**	**59,973**
	2.03	**2.56**	**2.03**
PSOL	**19,397**	**64**	**19,461**
	0.66	**0.33**	**0.66**
PST	**5,031**	**35**	**5,066**
	0.17	**0.18**	**0.17**
PSTU	**1,653**	**3**	**1,656**
	0.06	**0.02**	**0.06**
PT	**213,132**	**592**	**213,724**
	7.27	**3.07**	**7.24**
PT do B	**27,768**	**198**	**27,966**
	0.95	**1.03**	**0.95**
PTB	**146,845**	**965**	**147,810**
	5.01	**5.00**	**5.01**
PTC	**32,737**	**356**	**33,093**
	1.12	**1.85**	**1.12**
PTN	**28,148**	**243**	**28,391**
	0.96	**1.26**	**0.96**
PV	**81,507**	**423**	**81,930**
	2.78	**2.19**	**2.78**
REDE	**12,234**	**95**	**12,329**
	0.42	**0.49**	**0.42**
REPUBLICANOS	**58,253**	**802**	**59,055**
	1.99	**4.16**	**2.00**
SD	**14,151**	**120**	**14,271**
	0.48	**0.62**	**0.48**
SOLIDARIEDADE	**30,223**	**280**	**30,503**
	1.03	**1.45**	**1.03**
	33,808	**253**	**34,061**

	1.15	1.31	1.15
UP	165	0	165
	0.01	0.00	0.01
Total	2,932,844	19,294	2,952,138
	100.00	100.00	100.00

```
468 .
    end of do-file

469 . do "/var/folders/1p/ktsylbts09n7c1cbjt351qpm0000gn/T//SD24459.000000"

470 . *****************
471 . ** Appendix B: Testing for manipulation around the cutoff
472 . *****************
473 .
474 . * Figure 1: Histogram of the running variable
475 .
476 .
477 . * To replicate Figure 1 reported in the Appendix, use the file "LPT_munic_pretreatm
    > entCov.dta"
478 .
479 . use "/Users/victoraraujosilva/Library/CloudStorage/GoogleDrive-victor.asaraujo@alum
    > ni.usp.br/My Drive/Igrejas_political outcomes/psrm_materials/LPT_munic_pretreatment
    > Cov.dta",clear
    (Written by R.              )

480 .
481 . hist margins
    (bin=37, start=-74.699997, width=2.4243242)

482 .
    end of do-file

483 . do "/var/folders/1p/ktsylbts09n7c1cbjt351qpm0000gn/T//SD24459.000000"

484 .   * Figure 2: RD manipulation test plot
485 . ***********************************
486 .
487 .
488 . * To replicate Figure 2 reported in the Appendix, use the file "LPT_munic_pretreatm
    > entCov.dta"
489 .
490 . use "/Users/victoraraujosilva/Library/CloudStorage/GoogleDrive-victor.asaraujo@alum
    > ni.usp.br/My Drive/Igrejas_political outcomes/psrm_materials/LPT_munic_pretreatment
    > Cov.dta",clear
    (Written by R.              )

491 .
492 . ** RD manipulation test plot
493 . ** The rddensity command is part of the lpdensity library/package. One should insta
    > ll this package before running the commands below
494 .
```

```
495 . lpdensity margins
```

Local Polynomial Density Estimation and Inference.

Sample size	(n=)	**5564**
Polynomial order for point estimation	(p=)	**2**
Density function estimated	(v=)	**1**
Polynomial order for confidence interval	(q=)	**3**
Kernel function		**triangular**
Bandwidth selection method		**mse-dpi**

Index	Grid	B.W.	Eff.n	Point Est.	Std. Error	Robust B.C. 95% C.I.	
1	**-36.0000**	**37.2178**	**1807**	**0.0038**	**0.0001**	**0.0033**	**0.0040**
2	**-25.4700**	**26.4524**	**1724**	**0.0054**	**0.0002**	**0.0048**	**0.0057**
3	**-17.1500**	**10.2369**	**749**	**0.0065**	**0.0003**	**0.0057**	**0.0073**
4	**-10.0500**	**7.9800**	**776**	**0.0082**	**0.0003**	**0.0066**	**0.0086**
5	**-4.8200**	**5.4647**	**663**	**0.0113**	**0.0005**	**0.0106**	**0.0136**
6	**-0.6000**	**3.6856**	**554**	**0.0130**	**0.0007**	**0.0109**	**0.0145**
7	**2.7700**	**2.6934**	**508**	**0.0170**	**0.0009**	**0.0146**	**0.0195**
8	**5.4700**	**2.2491**	**527**	**0.0201**	**0.0010**	**0.0171**	**0.0231**
9	**7.6300**	**1.9429**	**556**	**0.0264**	**0.0013**	**0.0233**	**0.0307**
10	**9.4000**	**1.9407**	**732**	**0.0324**	**0.0014**	**0.0264**	**0.0341**
11	**10.7400**	**2.1995**	**1095**	**0.0433**	**0.0015**	**0.0383**	**0.0470**
12	**11.8000**	**2.7457**	**1955**	**0.0568**	**0.0015**	**0.0485**	**0.0571**
13	**12.6300**	**3.8537**	**2883**	**0.0836**	**0.0014**	**0.0541**	**0.0627**
14	**13.3300**	**6.2021**	**3148**	**0.1094**	**0.0019**	**0.0982**	**0.1052**
15	**13.9000**	**8.3327**	**3328**	**0.1204**	**0.0021**	**0.1319**	**0.1420**
16	**14.3000**	**8.8924**	**3349**	**0.1295**	**0.0024**	**0.1552**	**0.1684**
17	**14.5800**	**3.4422**	**2415**	**0.2050**	**0.0048**	**0.2256**	**0.2486**
18	**14.7800**	**3.1879**	**2293**	**0.2372**	**0.0059**	**0.2795**	**0.3123**
19	**14.9400**	**3.0315**	**2201**	**0.2695**	**0.0071**	**0.3368**	**0.3816**

```
496 . rddensity margins, plot
```

Computing data-driven bandwidth selectors.

Point estimates and standard errors have been adjusted for repeated observations.
(Use option *nomasspoints* to suppress this adjustment.)

RD Manipulation test using local polynomial density estimation.

c = **0.000**	Left of c	Right of c
Number of obs	**1712**	**3852**
Eff. Number of obs	**118**	**134**
Order est. (p)	**2**	**2**
Order bias (q)	**3**	**3**
BW est. (h)	**1.631**	**1.626**

Number of obs	=	**5564**
Model	=	**unrestricted**
BW method	=	**comb**
Kernel	=	**triangular**
VCE method	=	**jackknife**

Running variable: margins.

Method	T	P>|T|
Robust	**1.5648**	**0.1176**

P-values of binomial tests. (H0: prob = .5)

Window Length		<c	>=c	P>|T|
0.210 +	**0.210**	**20**	**24**	**0.6516**
0.368 +	**0.367**	**26**	**32**	**0.5118**
0.526 +	**0.525**	**32**	**44**	**0.2067**
0.684 +	**0.682**	**55**	**52**	**0.8468**
0.842 +	**0.839**	**66**	**66**	**1.0000**
1.000 +	**0.997**	**77**	**74**	**0.8708**
1.158 +	**1.154**	**83**	**92**	**0.5455**
1.315 +	**1.311**	**90**	**105**	**0.3161**
1.473 +	**1.469**	**103**	**121**	**0.2560**
1.631 +	**1.626**	**118**	**134**	**0.3447**

```
497 .
    end of do-file

498 . do "/var/folders/1p/ktsylbts09n7c1cbjt351qpm0000gn/T//SD24459.000000"

499 . ****************
500 . ** Appendix C: Testing for the balance of pretreatment municipal-level covariates
501 . ***************
502 .  * Table 3: Formal continuity-based analysis for pretreatment covariates (2000)
503 .
504 .  * To replicate Table 3 reported in the Appendix, use the file "LPT_munic_pretreatm
    > entCov.dta"
505 .
506 . use "/Users/victoraraujosilva/Library/CloudStorage/GoogleDrive-victor.asaraujo@alum
    > ni.usp.br/My Drive/Igrejas_political outcomes/psrm_materials/LPT_munic_pretreatment
    > Cov.dta",clear
    (Written by R.              )

507 .
    end of do-file

508 . do "/var/folders/1p/ktsylbts09n7c1cbjt351qpm0000gn/T//SD24459.000000"

509 . ** Before running models you should:
510 .
511 .  * 1. Create an encoding (numeric) version of the state id so that one can cluster
    > the standard errors at the state-level
512 .
513 . encode uf, gen(state_id)
```

```
514 .
515 .  * 2. Then create the variable that express the Local average treatment effect (LAT
    > E) around the 85% cutoff
516 .
517 . gen late = light_00*treat

518 .
519 . ** Political variables
520 . *Voter turnout (local elections, 2000)
521 . reg turnout_00 light_00 treat late if light_00 >= 80 & light_00 <= 90, cluster (sta
    > te_id)

Linear regression                               Number of obs     =        782
                                                F(3, 24)          =       1.67
                                                Prob > F          =     0.2009
                                                R-squared         =     0.0092
                                                Root MSE          =     7.2669

                                (Std. err. adjusted for 25 clusters in state_id)
------------------------------------------------------------------------------
             |               Robust
  turnout_00 | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
    light_00 |   .2170774   .2426888     0.89   0.380    -.2838076    .7179623
       treat |   22.13615   34.97711     0.63   0.533    -50.05306    94.32536
        late |  -.2708052   .4123498    -0.66   0.518    -1.121853     .580243
       _cons |   66.75267   21.54011     3.10   0.005     22.29606    111.2093
------------------------------------------------------------------------------

522 . *Is the elected mayor a member of the PT (1996)
523 . reg pt_elected_96 light_00 treat late if light_00 >= 80 & light_00 <= 90, cluster (
    > state_id)

Linear regression                               Number of obs     =        797
                                                F(3, 24)          =       0.50
                                                Prob > F          =     0.6839
                                                R-squared         =     0.0014
                                                Root MSE          =     .13161

                                (Std. err. adjusted for 25 clusters in state_id)
------------------------------------------------------------------------------
             |               Robust
pt_electe~96 | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
    light_00 |   .0028096   .0040458     0.69   0.494    -.0055406    .0111598
       treat |   .4652315   .6843907     0.68   0.503    -.9472814    1.877745
        late |  -.0053922   .0081321    -0.66   0.514     -.022176    .0113916
       _cons |   -.231134   .3517886    -0.66   0.517      -.95719    .4949219
------------------------------------------------------------------------------

524 . *Is the elected mayor a member of the PT (2000)
525 . reg pt_elected_00 light_00 treat late if light_00 >= 80 & light_00 <= 90, cluster (
    > state_id)
```

```
Linear regression                               Number of obs     =        797
                                                F(3, 24)          =       2.26
                                                Prob > F          =     0.1072
                                                R-squared         =     0.0041
                                                Root MSE          =     .11136

                               (Std. err. adjusted for 25 clusters in state_id)
------------------------------------------------------------------------------
             |               Robust
pt_electe~00 | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
    light_00 |  -.0052551   .0024852    -2.11   0.045    -.0103843   -.0001258
       treat |  -.0952026    .432308    -0.22   0.828    -.9874425    .7970373
        late |   .0008158   .0050746     0.16   0.874    -.0096577    .0112894
       _cons |   .4735477   .2218946     2.13   0.043     .0155799    .9315156
------------------------------------------------------------------------------
```

```
526 . *Number of voted parties (Local council election, 2000)
527 . reg npvv2000 light_00 treat late if light_00 >= 80 & light_00 <= 90, cluster (state
    > _id)

Linear regression                               Number of obs     =        782
                                                F(3, 24)          =       0.14
                                                Prob > F          =     0.9343
                                                R-squared         =     0.0003
                                                Root MSE          =     3.5856

                               (Std. err. adjusted for 25 clusters in state_id)
------------------------------------------------------------------------------
             |               Robust
    npvv2000 | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
    light_00 |  -.0275871   .0986559    -0.28   0.782    -.2312029    .1760288
       treat |  -5.892182   11.24193    -0.52   0.605    -29.09438    17.31002
        late |   .0706751    .133132     0.53   0.600    -.2040958     .345446
       _cons |   10.24798   8.521581     1.20   0.241    -7.339694    27.83566
------------------------------------------------------------------------------
```

```
528 . *Number of parties voted in mayoral elections (2000)
529 . reg npvp2000 light_00 treat late if light_00 >= 80 & light_00 <= 90, cluster (state
    > _id)

Linear regression                               Number of obs     =        782
                                                F(3, 24)          =       1.34
                                                Prob > F          =     0.2862
                                                R-squared         =     0.0021
                                                Root MSE          =     .89807

                               (Std. err. adjusted for 25 clusters in state_id)
------------------------------------------------------------------------------
             |               Robust
    npvp2000 | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
    light_00 |   .0167156   .0294537     0.57   0.576    -.0440739     .077505
```

treat	**4.465462**	**2.287758**	**1.95**	**0.063**	**-.2562382**	**9.187163**
late	**-.0527513**	**.0268226**	**-1.97**	**0.061**	**-.1081105**	**.0026079**
_cons	**1.178483**	**2.580775**	**0.46**	**0.652**	**-4.147975**	**6.504942**

```
530 . *Number of parties voted in state parliament elections (2002)
531 . reg npvde2002 light_00 treat late if light_00 >= 80 & light_00 <= 90, cluster (stat
    > e_id)

Linear regression                               Number of obs     =        795
                                                F(3, 24)          =       1.24
                                                Prob > F          =     0.3161
                                                R-squared         =     0.0048
                                                Root MSE          =     3.4892

                                (Std. err. adjusted for 25 clusters in state_id)
```

npvde2002	Coefficient	Robust std. err.	t	P>|t|	[95% conf.	interval]
light_00	**-.078836**	**.126328**	**-0.62**	**0.538**	**-.3395642**	**.1818923**
treat	**1.133694**	**13.39199**	**0.08**	**0.933**	**-26.50602**	**28.7734**
late	**-.0135222**	**.1566897**	**-0.09**	**0.932**	**-.3369139**	**.3098695**
_cons	**30.45869**	**10.98228**	**2.77**	**0.011**	**7.792371**	**53.125**

```
532 . *Number of parties voted in federal parliament elections (2002)
533 . reg npvdf2002 light_00 treat late if light_00 >= 80 & light_00 <= 90, cluster (stat
    > e_id)

Linear regression                               Number of obs     =        795
                                                F(3, 24)          =       1.02
                                                Prob > F          =     0.4002
                                                R-squared         =     0.0032
                                                Root MSE          =     3.7892

                                (Std. err. adjusted for 25 clusters in state_id)
```

npvdf2002	Coefficient	Robust std. err.	t	P>|t|	[95% conf.	interval]
light_00	**-.0662435**	**.1368255**	**-0.48**	**0.633**	**-.3486375**	**.2161506**
treat	**-.2134081**	**14.25846**	**-0.01**	**0.988**	**-29.64142**	**29.2146**
late	**.0032149**	**.1668227**	**0.02**	**0.985**	**-.3410901**	**.34752**
_cons	**28.34629**	**12.01928**	**2.36**	**0.027**	**3.539728**	**53.15286**

```
534 . *Number of elected council members (PFL)
535 . reg tveDEM2000  light_00 treat late if light_00 >= 80 & light_00 <= 90, cluster (st
    > ate_id)

Linear regression                               Number of obs     =        797
                                                F(3, 24)          =       3.40
                                                Prob > F          =     0.0341
```

```
                                                R-squared         =     0.0107
                                                Root MSE          =     1.6502

                                (Std. err. adjusted for 25 clusters in state_id)
------------------------------------------------------------------------------
             |               Robust
   tveDEM2000 | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
     light_00 |  -.0911917    .074473    -1.22   0.233    -.2448965    .0625131
        treat |  -4.307591   9.042822    -0.48   0.638    -22.97106    14.35587
         late |   .0498287   .1059121     0.47   0.642    -.1687632    .2684206
        _cons |   9.625472   6.594369     1.46   0.157    -3.984638    23.23558
------------------------------------------------------------------------------

. *Number of elected council members (PMDB)
. reg tveMDB2000  light_00 treat late if light_00 >= 80 & light_00 <= 90, cluster (st
> ate_id)

Linear regression                               Number of obs     =        797
                                                F(3, 24)          =       4.05
                                                Prob > F          =     0.0183
                                                R-squared         =     0.0140
                                                Root MSE          =     1.6826

                                (Std. err. adjusted for 25 clusters in state_id)
------------------------------------------------------------------------------
             |               Robust
   tveMDB2000 | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
     light_00 |    .042669   .0703247     0.61   0.550    -.1024741    .1878121
        treat |  -4.073688   7.519271    -0.54   0.593     -19.5927    11.44533
         late |    .047721   .0869327     0.55   0.588    -.1316992    .2271413
        _cons |  -1.709552   6.197368    -0.28   0.785    -14.50029    11.08119
------------------------------------------------------------------------------

. *Number of elected council members (PPB)
. reg tvePP2000 light_00 treat late if light_00 >= 80 & light_00 <= 90, cluster (stat
> e_id)

Linear regression                               Number of obs     =        797
                                                F(3, 24)          =       2.06
                                                Prob > F          =     0.1326
                                                R-squared         =     0.0109
                                                Root MSE          =     1.4174

                                (Std. err. adjusted for 25 clusters in state_id)
------------------------------------------------------------------------------
             |               Robust
    tvePP2000 | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
     light_00 |   .0652784   .0540752     1.21   0.239    -.0463273    .1768842
        treat |  -5.191768   8.412942    -0.62   0.543    -22.55523    12.17169
         late |   .0677028   .1002102     0.68   0.506    -.1391209    .2745266
        _cons |  -4.693357   4.621119    -1.02   0.320    -14.23088    4.844163
------------------------------------------------------------------------------
```

```
-------------+----------------------------------------------------------------

540 . *Number of elected council members (PTB)
541 . reg tvePTB2000 light_00 treat late if light_00 >= 80 & light_00 <= 90, cluster (sta
    > te_id)

Linear regression                               Number of obs     =        797
                                                F(3, 24)          =       1.21
                                                Prob > F          =     0.3274
                                                R-squared         =     0.0056
                                                Root MSE          =     1.2141

                                (Std. err. adjusted for 25 clusters in state_id)
------------------------------------------------------------------------------
             |               Robust
  tvePTB2000 | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
    light_00 |   -.028123   .0527939    -0.53   0.599    -.1370843    .0808383
       treat |  -3.225895   6.850974    -0.47   0.642    -17.36561    10.91382
        late |   .0394306   .0798439     0.49   0.626    -.1253592    .2042203
       _cons |   3.220826   4.647892     0.69   0.495    -6.371952     12.8136
------------------------------------------------------------------------------

542 . *Number of elected council members (PT)
543 . reg tvePT2000 light_00 treat late if light_00 >= 80 & light_00 <= 90, cluster (stat
    > e_id)

Linear regression                               Number of obs     =        797
                                                F(3, 24)          =       0.79
                                                Prob > F          =     0.5128
                                                R-squared         =     0.0031
                                                Root MSE          =     .64998

                                (Std. err. adjusted for 25 clusters in state_id)
------------------------------------------------------------------------------
             |               Robust
   tvePT2000 | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
    light_00 |  -.0037541   .0243182    -0.15   0.879    -.0539445    .0464362
       treat |   2.654842   2.980639     0.89   0.382    -3.496894    8.806579
        late |  -.0326671   .0348837    -0.94   0.358    -.1046635    .0393293
       _cons |   .6054942   2.142722     0.28   0.780    -3.816867    5.027856
------------------------------------------------------------------------------

544 .
    end of do-file

545 . do "/var/folders/1p/ktsylbts09n7c1cbjt351qpm0000gn/T//SD24459.000000"

546 . ** Socio-economic variables
547 . ** Fertility rate
548 . reg fectot light_00 treat late if light_00 >= 80 & light_00 <= 90, cluster (state_i
    > d)
```

```
Linear regression                               Number of obs     =        797
                                                F(3, 24)          =       3.61
                                                Prob > F          =     0.0278
                                                R-squared         =     0.0171
                                                Root MSE          =     .64511

                                (Std. err. adjusted for 25 clusters in state_id)
------------------------------------------------------------------------------
             |               Robust
      fectot | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
    light_00 |  -.0372239   .0200896    -1.85   0.076    -.0786867    .0042389
       treat |  -.2211545   1.664649    -0.13   0.895     -3.65682    3.214511
        late |   .0020062   .0194912     0.10   0.919    -.0382217    .0422342
       _cons |   6.283237   1.787372     3.52   0.002     2.594282    9.972192
------------------------------------------------------------------------------

549 . ** Life expectancy
550 . reg espvida light_00 treat late if light_00 >= 80 & light_00 <= 90, cluster (state_
    > id)

Linear regression                               Number of obs     =        797
                                                F(3, 24)          =       2.59
                                                Prob > F          =     0.0763
                                                R-squared         =     0.0210
                                                Root MSE          =     3.4011

                                (Std. err. adjusted for 25 clusters in state_id)
------------------------------------------------------------------------------
             |               Robust
     espvida | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
    light_00 |   .2743765   .1315258     2.09   0.048     .0029207    .5458324
       treat |   17.87372   12.12798     1.47   0.154    -7.157186    42.90463
        late |  -.2091676   .1425817    -1.47   0.155    -.5034417    .0851066
       _cons |   42.88811   11.56785     3.71   0.001     19.01324    66.76298
------------------------------------------------------------------------------

551 . ** Child mortality
552 . reg mort5 light_00 treat late if light_00 >= 80 & light_00 <= 90, cluster (state_id
    > )

Linear regression                               Number of obs     =        797
                                                F(3, 24)          =       1.61
                                                Prob > F          =     0.2132
                                                R-squared         =     0.0122
                                                Root MSE          =     17.626

                                (Std. err. adjusted for 25 clusters in state_id)
------------------------------------------------------------------------------
             |               Robust
       mort5 | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
    light_00 |  -1.153469   .6849449    -1.68   0.105    -2.567126    .2601879
```

treat	-77.51524	71.45709	-1.08	0.289	-224.9954	69.96494
late	.9038446	.8370311	1.08	0.291	-.8237027	2.631392
_cons	147.6668	60.40281	2.44	0.022	23.00152	272.3321

```
553 . ** Human development index (HDI)
554 . reg idhm light_00 treat late if light_00 >= 80 & light_00 <= 90, cluster (state_id)

Linear regression                               Number of obs     =        797
                                                F(3, 24)          =       4.77
                                                Prob > F          =     0.0096
                                                R-squared         =     0.0284
                                                Root MSE          =     .06567

                                   (Std. err. adjusted for 25 clusters in state_id)
```

idhm	Coefficient	Robust std. err.	t	P>|t|	[95% conf.	interval]
light_00	.0062501	.0023452	2.67	0.014	.0014099	.0110903
treat	.2814409	.2630261	1.07	0.295	-.2614184	.8243001
late	-.0032286	.0030993	-1.04	0.308	-.0096253	.003168
_cons	-.067357	.205092	-0.33	0.745	-.4906461	.3559321

```
555 . ** Illiteracy rate
556 . reg t_analf18m light_00 treat late if light_00 >= 80 & light_00 <= 90, cluster (sta
    > te_id)

Linear regression                               Number of obs     =        797
                                                F(3, 24)          =       1.57
                                                Prob > F          =     0.2229
                                                R-squared         =     0.0097
                                                Root MSE          =     11.636

                                   (Std. err. adjusted for 25 clusters in state_id)
```

t_analf18m	Coefficient	Robust std. err.	t	P>|t|	[95% conf.	interval]
light_00	-.610336	.4189716	-1.46	0.158	-1.475051	.2543789
treat	-33.38574	51.03327	-0.65	0.519	-138.7132	71.94176
late	.3891327	.5972448	0.65	0.521	-.8435199	1.621785
_cons	82.61928	36.60618	2.26	0.033	7.067828	158.1707

```
557 . ** Income inequality (measured by Gini Index)
558 . reg gini light_00 treat late if light_00 >= 80 & light_00 <= 90, cluster (state_id)

Linear regression                               Number of obs     =        797
                                                F(3, 24)          =       1.45
                                                Prob > F          =     0.2539
                                                R-squared         =     0.0087
                                                Root MSE          =     .06165
```

(Std. err. adjusted for **25** clusters in **state_id**)

gini	Coefficient	Robust std. err.	t	P>|t|	[95% conf.	interval]
light_00	**-.0026519**	**.0021104**	**-1.26**	**0.221**	**-.0070075**	**.0017036**
treat	**-.1932021**	**.2069954**	**-0.93**	**0.360**	**-.6204196**	**.2340154**
late	**.0022983**	**.0024268**	**0.95**	**0.353**	**-.0027104**	**.007307**
_cons	**.7907684**	**.1844173**	**4.29**	**0.000**	**.4101498**	**1.171387**

```
559 . ** Poverty rate
560 . reg pmpob light_00 treat late if light_00 >= 80 & light_00 <= 90, cluster (state_id
    > )

Linear regression                               Number of obs     =        797
                                                F(3, 24)          =       3.79
                                                Prob > F          =     0.0235
                                                R-squared         =     0.0299
                                                Root MSE          =     15.544
```

(Std. err. adjusted for **25** clusters in **state_id**)

pmpob	Coefficient	Robust std. err.	t	P>|t|	[95% conf.	interval]
light_00	**-1.684213**	**.5556952**	**-3.03**	**0.006**	**-2.831111**	**-.5373144**
treat	**-128.047**	**62.3089**	**-2.06**	**0.051**	**-256.6463**	**.5522077**
late	**1.496082**	**.7385244**	**2.03**	**0.054**	**-.0281577**	**3.020321**
_cons	**199.81**	**48.11569**	**4.15**	**0.000**	**100.5041**	**299.1159**

```
561 . ** Unemployment rate
562 . reg t_des  light_00 treat late if light_00 >= 80 & light_00 <= 90, cluster (state_i
    > d)

Linear regression                               Number of obs     =        797
                                                F(3, 24)          =       1.11
                                                Prob > F          =     0.3658
                                                R-squared         =     0.0013
                                                Root MSE          =     6.1303
```

(Std. err. adjusted for **25** clusters in **state_id**)

t_des	Coefficient	Robust std. err.	t	P>|t|	[95% conf.	interval]
light_00	**-.1757074**	**.1733095**	**-1.01**	**0.321**	**-.5334006**	**.1819859**
treat	**-6.966054**	**24.22067**	**-0.29**	**0.776**	**-56.95506**	**43.02296**
late	**.0726966**	**.2864223**	**0.25**	**0.802**	**-.51845**	**.6638432**
_cons	**26.63113**	**15.38399**	**1.73**	**0.096**	**-5.11986**	**58.38211**

```
563 . ** % of occupations in the formal sector
564 . reg p_formal light_00 treat late if light_00 >= 80 & light_00 <= 90, cluster (state
    > _id)

Linear regression                               Number of obs     =        797
                                                F(3, 24)          =       4.82
                                                Prob > F          =     0.0091
                                                R-squared         =     0.0269
                                                Root MSE          =     11.661

                                (Std. err. adjusted for 25 clusters in state_id)
------------------------------------------------------------------------------
             |               Robust
    p_formal | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
    light_00 |   .3499741   .2962992     1.18   0.249    -.2615574    .9615056
       treat |  -.3021247   53.66767    -0.01   0.996    -111.0668    110.4625
        late |  -.0205533   .6380435    -0.03   0.975     -1.33741    1.296304
       _cons |  -1.517066   26.39004    -0.06   0.955    -55.98342    52.94929
------------------------------------------------------------------------------

565 . ** Economically active workforce
566 . reg pea light_00 treat late if light_00 >= 80 & light_00 <= 90, cluster (state_id)

Linear regression                               Number of obs     =        797
                                                F(3, 24)          =       0.30
                                                Prob > F          =     0.8224
                                                R-squared         =     0.0003
                                                Root MSE          =     7312.3

                                (Std. err. adjusted for 25 clusters in state_id)
------------------------------------------------------------------------------
             |               Robust
         pea | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
    light_00 |   13.94188   138.5392     0.10   0.921     -271.989    299.8727
       treat |   10322.56   16172.24     0.64   0.529     -23055.3    43700.42
        late |  -122.1685    191.556    -0.64   0.530    -517.5206    273.1837
       _cons |   4662.905   11863.33     0.39   0.698    -19821.81    29147.62
------------------------------------------------------------------------------

567 . ** Income per capita
568 . reg rdpct light_00 treat late if light_00 >= 80 & light_00 <= 90, cluster (state_id
    > )

Linear regression                               Number of obs     =        797
                                                F(3, 24)          =       1.65
                                                Prob > F          =     0.2052
                                                R-squared         =     0.0143
                                                Root MSE          =     110.69

                                (Std. err. adjusted for 25 clusters in state_id)
------------------------------------------------------------------------------
             |               Robust
```

rdpct	Coefficient	std. err.	t	P>|t|	[95% conf.	interval]
light_00	8.769352	4.037338	2.17	0.040	.4366965	17.10201
treat	739.8391	419.5363	1.76	0.091	-126.0412	1605.719
late	-8.647441	4.970518	-1.74	0.095	-18.90608	1.611203
_cons	-511.4457	350.0947	-1.46	0.157	-1234.006	211.1143

```
569 . ** Level of urbanization
570 . reg percent_urb_00 light_00 treat late if light_00 >= 80 & light_00 <= 90, cluster
    > (state_id)

Linear regression                               Number of obs     =        797
                                                F(3, 24)          =       0.55
                                                Prob > F          =     0.6545
                                                R-squared         =     0.0015
                                                Root MSE          =     .19367

                                (Std. err. adjusted for 25 clusters in state_id)
```

percent_u~00	Coefficient	Robust std. err.	t	P>|t|	[95% conf.	interval]
light_00	.0049171	.0041024	1.20	0.242	-.0035498	.013384
treat	.3193985	.5135369	0.62	0.540	-.7404896	1.379287
late	-.0036875	.0060835	-0.61	0.550	-.0162432	.0088681
_cons	.0969388	.353868	0.27	0.786	-.6334088	.8272864

```
571 . ** Population size
572 . reg pop light_00 treat late if light_00 >= 80 & light_00 <= 90, cluster (state_id)

Linear regression                               Number of obs     =        797
                                                F(3, 24)          =       0.52
                                                Prob > F          =     0.6728
                                                R-squared         =     0.0008
                                                Root MSE          =      17774

                                (Std. err. adjusted for 25 clusters in state_id)
```

pop_00	Coefficient	Robust std. err.	t	P>|t|	[95% conf.	interval]
light_00	-76.67153	343.8907	-0.22	0.825	-786.4271	633.084
treat	24615.76	37382.8	0.66	0.516	-52538.53	101770.1
late	-294.7041	442.6124	-0.67	0.512	-1208.211	618.803
_cons	21328.23	29508.68	0.72	0.477	-39574.69	82231.15

```
573 .
    end of do-file

574 . do "/var/folders/1p/ktsylbts09n7c1cbjt351qpm0000gn/T//SD24459.000000"
```

```
575 . ****************
576 . *** Appendix D: descriptive statistics
577 . ****************
578 .
579 .   ** Table 4: Descriptive statistics - pretreatment municipal-level data
580 .
581 .   * To replicate Table 4 reported in the Appendix, use the file "LPT_munic_pretreat
    > mentCov.dta"
582 .
583 . use "/Users/victoraraujosilva/Library/CloudStorage/GoogleDrive-victor.asaraujo@alum
    > ni.usp.br/My Drive/Igrejas_political outcomes/psrm_materials/LPT_munic_pretreatment
    > Cov.dta",clear
    (Written by R.              )

584 .
585 . su turnout_00 npvv2000 npvp2000 npvde2002 npvdf2002 tveDEM2000 tveMDB2000 tvePP2000
    >  tvePTB2000 tvePT2000 pt_elected_96 pt_elected_00 fectot espvida mort5 idhm t_analf
    > 18m gini pmpob t_des p_formal pea rdpct percent_urb_00
```

Variable	Obs	Mean	Std. dev.	Min	Max
turnout_00	5,504	86.70904	6.640411	57.02468	99.11685
npvv2000	5,504	8.35665	4.318353	1	30
npvp2000	5,504	2.695676	1.048112	1	15
npvde2002	5,558	24.15311	3.787373	8	30
npvdf2002	5,558	23.34869	4.043453	10	30
tveDEM2000	5,564	1.725737	1.610649	0	10
tveMDB2000	5,564	2.022466	1.652228	0	11
tvePP2000	5,564	1.248922	1.504995	0	12
tvePTB2000	5,564	.8927031	1.227416	0	7
tvePT2000	5,564	.4417685	.9417831	0	16
pt_electe~96	5,564	.021028	.1434906	0	1
pt_electe~00	5,564	.0334292	.1797706	0	1
fectot	5,564	2.869896	.7359757	1.56	7.79
espvida	5,564	68.41003	3.963452	57.46	77.24
mort5	5,564	39.28316	18.71391	12.51	106.29
idhm	5,564	.5234446	.1043705	.208	.82
t_analf18m	5,564	23.56194	13.51484	1	63.01
gini	5,564	.5470435	.0686699	.3	.87
pmpob	5,564	41.06213	22.77523	.7	90.76
t_des	5,564	11.01969	6.222792	0	59.17
p_formal	5,564	36.0269	18.12077	1.92	86.38
pea	5,564	13725.17	91633.24	280	5340922
rdpct	5,564	347.2105	188.0535	74.95	1759.76
percent_u~00	5,564	.5847861	.2366772	0	1

```
586 .
    end of do-file

587 . do "/var/folders/1p/ktsylbts09n7c1cbjt351qpm0000gn/T//SD24459.000000"
```

```
588 .   ** Table 5: Descriptive statistics - municipal-level panel data (1994-2018)
589 .   * To replicate Table 5 reported in the Appendix, use the file "df_LPT_igrejas_out
    > comes.dta"
590 .
591 . use "/Users/victoraraujosilva/Library/CloudStorage/GoogleDrive-victor.asaraujo@alum
    > ni.usp.br/My Drive/Igrejas_political outcomes/psrm_materials/df_LPT_igrejas_outcome
    > s.dta",clear

592 .
593 . su turnout comp ideo_imp pol_pi share_votes idhm pop ativas_all all_100

    Variable |        Obs        Mean    Std. dev.       Min        Max
-------------+---------------------------------------------------------
     turnout |     71,006    .8252474    .0795667       .001       .994
        comp |     71,004    .1473116    .1541919          0       .994
    ideo_imp |     71,012    .1897703    .1827957  -.6536486   .8480459
      pol_pi |     71,012    5.541104    .9451703          0        9.1
 share_votes |     46,813    27.94206     15.7895   .0237549   98.76676
-------------+---------------------------------------------------------
        idhm |     71,000    .6064317    .1321839       .165      .9292
         pop |     70,398    33076.05      196647        652   1.22e+07
  ativas_all |     62,194    10.26924    80.85537          0       6912
     all_100 |     61,796    24.03499    25.28994          0   296.4427

594 .
    end of do-file

595 . do "/var/folders/1p/ktsylbts09n7c1cbjt351qpm0000gn/T//SD24459.000000"

596 . ****************
597 . *** Appendix E: Measurement validity check: the estimated share of Christian evange
    > licals using census data
598 . ****************
599 .  *Figure 3: Correlation between the estimated shared of Christian evangelicals and
    > the number of evangelical churches per 100,000 inhabitants (2000-2018)
600 .
601 .  * To replicate Figure 3 reported in the Appendix, use the file "df_measures_valida
    > tion.dta"
602 .
603 . use "/Users/victoraraujosilva/Library/CloudStorage/GoogleDrive-victor.asaraujo@alum
    > ni.usp.br/My Drive/Igrejas_political outcomes/psrm_materials/df_measures_validation
    > .dta", clear
    (Written by R.              )

604 .
605 . twoway scatter share_evang evang_churchers100 || lfit share_evang evang_churchers10
    > 0 if year >= 2000 & year <=2010, ///
    >     xtitle("Evangelical churches per 100.000 inhabitants") ytitle("Estimated share
    > of Christian evangelicals") subtitle("2000-2010")

606 .         graph save churches_shareevang_2000_2010.gph, replace
    >
    file churches_shareevang_2000_2010.gph saved
```

```
607 .
608 . twoway scatter share_evang evang_churchers100 || lfit share_evang evang_churchers10
    > 0 if year >= 2010 & year <=2018, ///
    >     xtitle("Evangelical churches per 100.000 inhabitants") ytitle("Estimated share
    > of Christian evangelicals")  subtitle("2012-2018")

609 . graph save churches_shareevang_2010_2018.gph, replace
    file churches_shareevang_2010_2018.gph saved

610 .
611 . ** Once again, please make sure to set the correct directory where the gph figures
    > have been saved
612 . cd "/Users/victoraraujosilva/Library/CloudStorage/GoogleDrive-victor.asaraujo@alumn
    > i.usp.br/My Drive/Igrejas_political outcomes/figures"
    /Users/victoraraujosilva/Library/CloudStorage/GoogleDrive-victor.asaraujo@alumni.usp.
    > br/My Drive/Igrejas_political outcomes/figures

613 .
614 . graph combine churches_shareevang_2000_2010.gph churches_shareevang_2010_2018.gph,
    > cols(2)

615 .
    end of do-file

616 . do "/var/folders/1p/ktsylbts09n7c1cbjt351qpm0000gn/T//SD24459.000000"

617 . ***************
618 . *** Appendix F: Fixed effects models using the estimated share of Christian evangel
    > icals
619 . ***************
620 .
621 . * Table 6: Correlation between the share of Christian evangelicals and a set of ele
    > ctoral outcomes (2000-2018)
622 .
623 . * To replicate estimates reported in Table 6 (Appendix), please use the following d
    > ataset: df_LPT_share_evangs.dta
624 .
625 . use "/Users/victoraraujosilva/Library/CloudStorage/GoogleDrive-victor.asaraujo@alum
    > ni.usp.br/My Drive/Igrejas_political outcomes/psrm_materials/df_LPT_share_evangs.dt
    > a", clear
    (Written by R.              )

626 .
    end of do-file

627 . do "/var/folders/1p/ktsylbts09n7c1cbjt351qpm0000gn/T//SD24459.000000"

628 . ** Before running the OLS models, you should run the code below to create key varia
    > bles used in the statistical analysis
629 .
630 . ******************************************************************************
631 . **** Transforming/creating key variables used in the statistical analysis
632 . ******************************************************************************
```

```
633 .
634 . *** creating the log of the size of population
635 . gen ln_pop = ln(pop)

636 . ** creating the log of the size of electorate
637 . gen ln_elec = ln(qtde_eleitores)

638 .
639 .
640 . ** Municipal and year-level fixed effects models (FE)
641 .
642 . *** Full sample (All)
643 . xtset ibge7

    Panel variable: ibge7 (unbalanced)

644 . ** Outcome: Turnout
645 . xtreg turnout share_evang IDHM ln_pop ln_elec, fe cluster (cod_uf)

    Fixed-effects (within) regression               Number of obs     =     54,389
    Group variable: ibge7                           Number of groups  =      5,507

    R-squared:                                      Obs per group:
         Within  = 0.0924                                         min =          4
         Between = 0.0988                                         avg =        9.9
         Overall = 0.0596                                         max =         10

                                                    F(4, 26)          =      18.56
    corr(u_i, Xb) = -0.9052                         Prob > F          =     0.0000

                                  (Std. err. adjusted for 27 clusters in cod_uf)
------------------------------------------------------------------------------
             |               Robust
     turnout |  Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
  share_evang |  -.0001609   .0002469    -0.65   0.520    -.0006684    .0003466
        IDHM |   .0284114   .0318999     0.89   0.381    -.0371599    .0939826
      ln_pop |   .0493015   .0088844     5.55   0.000     .0310394    .0675635
     ln_elec |  -.1616627   .0265545    -6.09   0.000    -.2162464   -.1070791
       _cons |   1.831952   .1969797     9.30   0.000     1.427054    2.236849
-------------+----------------------------------------------------------------
     sigma_u |  .11171005
     sigma_e |  .05044631
         rho |  .83061525   (fraction of variance due to u_i)
------------------------------------------------------------------------------

646 . ** Outcome: Competition
647 . xtreg comp share_evang IDHM ln_pop ln_elec, fe cluster (cod_uf)

    Fixed-effects (within) regression               Number of obs     =     54,386
    Group variable: ibge7                           Number of groups  =      5,507

    R-squared:                                      Obs per group:
         Within  = 0.0137                                         min =          4
```

```
     Between = 0.0921                                avg =        9.9
     Overall = 0.0278                                max =         10

                                             F(4, 26)          =      27.33
corr(u_i, Xb) = -0.3821                      Prob > F          =     0.0000

                                (Std. err. adjusted for 27 clusters in cod_uf)
------------------------------------------------------------------------------
             |               Robust
        comp |      Coef.   Std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
 share_evang |   .0003179   .0001662     1.91   0.067    -.0000237    .0006596
        IDHM |  -.1181502   .0328395    -3.60   0.001    -.1856527   -.0506477
      ln_pop |   .0322742   .0091611     3.52   0.002     .0134432    .0511052
     ln_elec |  -.0738805   .0180821    -4.09   0.000    -.1110488   -.0367123
       _cons |   .5699339   .1088406     5.24   0.000     .3462088     .793659
-------------+----------------------------------------------------------------
     sigma_u |  .06490674
     sigma_e |  .12222425
         rho |  .21997501   (fraction of variance due to u_i)
------------------------------------------------------------------------------
```

```
648 . ** Outcome: Conservatism
649 . xtreg ideo_imp share_evang IDHM ln_pop ln_elec, fe cluster (cod_uf)

Fixed-effects (within) regression               Number of obs     =     54,391
Group variable: ibge7                           Number of groups  =      5,507

R-squared:                                      Obs per group:
     Within  = 0.0307                                         min =          4
     Between = 0.0174                                         avg =        9.9
     Overall = 0.0000                                         max =         10

                                                F(4, 26)          =       8.88
corr(u_i, Xb) = -0.4531                         Prob > F          =     0.0001

                                (Std. err. adjusted for 27 clusters in cod_uf)
------------------------------------------------------------------------------
             |               Robust
    ideo_imp |      Coef.   Std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
 share_evang |   .0039007   .0007541     5.17   0.000     .0023506    .0054508
        IDHM |  -.3522859    .160592    -2.19   0.037    -.6823874   -.0221844
      ln_pop |   .0300677   .0195703     1.54   0.137    -.0101597     .070295
     ln_elec |  -.0173119    .047451    -0.36   0.718    -.1148489    .0802251
       _cons |   .1980769   .4088584     0.48   0.632    -.6423437    1.038497
-------------+----------------------------------------------------------------
     sigma_u |  .11185654
     sigma_e |  .13748428
         rho |  .39829248   (fraction of variance due to u_i)
------------------------------------------------------------------------------
```

```
650 . ** Outcome: Polarization
651 . xtreg pol_pi share_evang IDHM ln_pop ln_elec, fe cluster (cod_uf)
```

```
Fixed-effects (within) regression               Number of obs     =     54,391
Group variable: ibge7                           Number of groups  =      5,507

R-squared:                                      Obs per group:
     Within  = 0.0366                                         min =          4
     Between = 0.0004                                         avg =        9.9
     Overall = 0.0002                                         max =         10

                                                F(4, 26)          =      26.68
corr(u_i, Xb) = -0.9086                         Prob > F          =     0.0000

                                 (Std. err. adjusted for 27 clusters in cod_uf)
------------------------------------------------------------------------------
             |               Robust
      pol_pi | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
 share_evang |   .0014512   .0017839     0.81   0.423    -.0022157     .005118
        IDHM |  -.7485827   .4405927    -1.70   0.101    -1.654234    .1570685
      ln_pop |  -.0761247   .1159864    -0.66   0.517    -.3145381    .1622886
     ln_elec |   -.806133   .1748947    -4.61   0.000    -1.165634   -.4466318
       _cons |   13.93929   1.357451    10.27   0.000     11.14901    16.72957
-------------+----------------------------------------------------------------
     sigma_u |  1.0529654
     sigma_e |  .75646596
         rho |  .65957846   (fraction of variance due to u_i)
------------------------------------------------------------------------------
```

```
652 .
653 .
654 . *** National elections
655 . ** Outcome: Turnout
656 . xtreg turnout share_evang IDHM ln_pop ln_elec if national ==1, fe cluster (cod_uf)

Fixed-effects (within) regression               Number of obs     =     27,422
Group variable: ibge7                           Number of groups  =      5,507

R-squared:                                      Obs per group:
     Within  = 0.2751                                         min =          2
     Between = 0.0130                                         avg =        5.0
     Overall = 0.0153                                         max =          5

                                                F(4, 26)          =      26.59
corr(u_i, Xb) = -0.9451                         Prob > F          =     0.0000

                                 (Std. err. adjusted for 27 clusters in cod_uf)
------------------------------------------------------------------------------
             |               Robust
     turnout | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
 share_evang |   -.000049   .0002066    -0.24   0.815    -.0004737    .0003758
        IDHM |   .1085783   .0241481     4.50   0.000     .0589413    .1582154
      ln_pop |    .070686   .0096121     7.35   0.000      .050928    .0904441
     ln_elec |  -.2276441    .025881    -8.80   0.000    -.2808432    -.174445
```

_cons	**2.145083**	**.2028513**	**10.57**	**0.000**	**1.728116**	**2.56205**
sigma_u	**.16545654**					
sigma_e	**.03113283**					
rho	**.96580528**	(fraction of variance due to u_i)				

```
657 . ** Outcome: Competition
658 . xtreg comp share_evang IDHM ln_pop ln_elec if national ==1, fe cluster (cod_uf)

Fixed-effects (within) regression               Number of obs     =     27,422
Group variable: ibge7                           Number of groups  =      5,507

R-squared:                                      Obs per group:
     Within  = 0.0592                                         min =          2
     Between = 0.0699                                         avg =        5.0
     Overall = 0.0601                                         max =          5

                                                F(4, 26)          =      32.85
corr(u_i, Xb) = -0.1061                         Prob > F          =     0.0000

                                (Std. err. adjusted for 27 clusters in cod_uf)
```

comp	Coefficient	Robust std. err.	t	P>|t|	[95% conf.	interval]
share_evang	**.0004122**	**.0002555**	**1.61**	**0.119**	**-.000113**	**.0009375**
IDHM	**-.3776092**	**.0739482**	**-5.11**	**0.000**	**-.5296118**	**-.2256065**
ln_pop	**-.0045186**	**.0148299**	**-0.30**	**0.763**	**-.0350018**	**.0259647**
ln_elec	**-.0139133**	**.0229546**	**-0.61**	**0.550**	**-.0610971**	**.0332705**
_cons	**.578259**	**.1652838**	**3.50**	**0.002**	**.2385133**	**.9180047**
sigma_u	**.08795476**					
sigma_e	**.13121375**					
rho	**.31002334**	(fraction of variance due to u_i)				

```
659 . ** Outcome: Conservatism
660 . xtreg ideo_imp share_evang IDHM ln_pop ln_elec if national ==1, fe cluster (cod_uf)

Fixed-effects (within) regression               Number of obs     =     27,422
Group variable: ibge7                           Number of groups  =      5,507

R-squared:                                      Obs per group:
     Within  = 0.0490                                         min =          2
     Between = 0.0184                                         avg =        5.0
     Overall = 0.0001                                         max =          5

                                                F(4, 26)          =      11.34
corr(u_i, Xb) = -0.5368                         Prob > F          =     0.0000

                                (Std. err. adjusted for 27 clusters in cod_uf)
```

		Robust

ideo_imp	Coefficient	std. err.	t	P>|t|	[95% conf.	interval]
share_evang	.0049201	.0009033	5.45	0.000	.0030633	.0067769
IDHM	-.2896685	.1732209	-1.67	0.106	-.6457292	.0663922
ln_pop	.0952031	.0261823	3.64	0.001	.0413847	.1490216
ln_elec	-.0692076	.0598677	-1.16	0.258	-.1922675	.0538522
_cons	-.0230039	.5351193	-0.04	0.966	-1.122957	1.076949
sigma_u	.1370329					
sigma_e	.1434139					
rho	.47725878	(fraction of variance due to u_i)				

```
661 . ** Outcome: Polarization
662 . xtreg pol_pi share_evang IDHM ln_pop ln_elec if national ==1, fe cluster (cod_uf)

Fixed-effects (within) regression               Number of obs     =     27,422
Group variable: ibge7                           Number of groups  =      5,507

R-squared:                                      Obs per group:
     Within  = 0.1379                                         min =          2
     Between = 0.0034                                         avg =        5.0
     Overall = 0.0096                                         max =          5

                                                F(4, 26)          =      26.44
corr(u_i, Xb) = -0.8866                         Prob > F          =     0.0000

                                  (Std. err. adjusted for 27 clusters in cod_uf)
```

pol_pi	Coefficient	Robust std. err.	t	P>|t|	[95% conf.	interval]
share_evang	.0059381	.0026107	2.27	0.031	.0005717	.0113045
IDHM	-2.416433	.5074091	-4.76	0.000	-3.459428	-1.373439
ln_pop	-.175189	.12896	-1.36	0.186	-.4402702	.0898921
ln_elec	-.820615	.2905064	-2.82	0.009	-1.41776	-.2234705
_cons	16.29261	2.012352	8.10	0.000	12.15616	20.42906
sigma_u	1.1967783					
sigma_e	.67943245					
rho	.75625597	(fraction of variance due to u_i)				

```
663 .
664 .
665 . *** Local elections
666 . ** Outcome: Turnout
667 . xtreg turnout share_evang IDHM ln_pop ln_elec if national ==0, fe cluster (cod_uf)

Fixed-effects (within) regression               Number of obs     =     26,967
Group variable: ibge7                           Number of groups  =      5,505

R-squared:                                      Obs per group:
     Within  = 0.2631                                         min =          2
```

```
     Between = 0.2802                                        avg =        4.9
     Overall = 0.2143                                        max =          5

                                                  F(4, 25)          =      34.30
corr(u_i, Xb) = -0.9524                           Prob > F          =     0.0000

                                (Std. err. adjusted for 26 clusters in cod_uf)
------------------------------------------------------------------------------
             |               Robust
     turnout |  Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
 share_evang |    .0001998   .0002922     0.68   0.500    -.0004021    .0008017
        IDHM |    .1796476   .0336021     5.35   0.000     .1104428    .2488524
      ln_pop |    .0825859   .0097011     8.51   0.000      .062606    .1025657
     ln_elec |   -.2458241   .0236271   -10.40   0.000    -.2944849   -.1971632
       _cons |    2.217745   .1894914    11.70   0.000      1.82748     2.60801
-------------+----------------------------------------------------------------
     sigma_u |   .14547917
     sigma_e |   .03367746
         rho |   .94913655   (fraction of variance due to u_i)
------------------------------------------------------------------------------
```

```
668 . ** Outcome: Competition
669 . xtreg comp share_evang IDHM ln_pop ln_elec if national ==0, fe cluster (cod_uf)

Fixed-effects (within) regression               Number of obs     =     26,964
Group variable: ibge7                           Number of groups  =      5,505

R-squared:                                      Obs per group:
     Within  = 0.0131                                         min =          2
     Between = 0.1007                                         avg =        4.9
     Overall = 0.0527                                         max =          5

                                                  F(4, 25)          =       9.03
corr(u_i, Xb) = 0.0101                            Prob > F          =     0.0001

                                (Std. err. adjusted for 26 clusters in cod_uf)
------------------------------------------------------------------------------
             |               Robust
        comp |  Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
 share_evang |    .0002437   .0001387     1.76   0.091    -.0000419    .0005292
        IDHM |   -.0926575    .019503    -4.75   0.000    -.1328246   -.0524903
      ln_pop |    .0036534   .0063812     0.57   0.572     -.009489    .0167957
     ln_elec |   -.0202838   .0106333    -1.91   0.068    -.0421834    .0016158
       _cons |    .2946991   .0866447     3.40   0.002      .116251    .4731472
-------------+----------------------------------------------------------------
     sigma_u |   .06096828
     sigma_e |   .07827316
         rho |   .37761071   (fraction of variance due to u_i)
------------------------------------------------------------------------------
```

```
670 . ** Outcome: Conservatism
671 . xtreg ideo_imp share_evang IDHM ln_pop ln_elec if national ==0, fe cluster (cod_uf)
```

```
Fixed-effects (within) regression               Number of obs     =     26,969
Group variable: ibge7                           Number of groups  =      5,505

R-squared:                                      Obs per group:
     Within  = 0.0258                                         min =          2
     Between = 0.0026                                         avg =        4.9
     Overall = 0.0096                                         max =          5

                                                F(4, 25)          =       4.20
corr(u_i, Xb) = -0.1733                         Prob > F          =     0.0097

                                (Std. err. adjusted for 26 clusters in cod_uf)
------------------------------------------------------------------------------
             |               Robust
    ideo_imp |  Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
 share_evang |   .0022741    .000628     3.62   0.001     .0009808    .0035674
        IDHM |  -.2972127   .1651381    -1.80   0.084     -.637321    .0428955
      ln_pop |   .0013464   .0246831     0.05   0.957    -.0494894    .0521822
     ln_elec |  -.0093833   .0438335    -0.21   0.832    -.0996601    .0808935
       _cons |   .4101688   .4478465     0.92   0.368    -.5121883    1.332526
-------------+----------------------------------------------------------------
     sigma_u |  .10544336
     sigma_e |   .1233058
         rho |  .42238583   (fraction of variance due to u_i)
------------------------------------------------------------------------------
```

```
672 . ** Outcome: Conservatism
673 . xtreg pol_pi share_evang IDHM ln_pop ln_elec if national ==0, fe cluster (cod_uf)

Fixed-effects (within) regression               Number of obs     =     26,969
Group variable: ibge7                           Number of groups  =      5,505

R-squared:                                      Obs per group:
     Within  = 0.0351                                         min =          2
     Between = 0.0080                                         avg =        4.9
     Overall = 0.0005                                         max =          5

                                                F(4, 25)          =      22.53
corr(u_i, Xb) = -0.6421                         Prob > F          =     0.0000

                                (Std. err. adjusted for 26 clusters in cod_uf)
------------------------------------------------------------------------------
             |               Robust
      pol_pi |  Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
 share_evang |  -.0049478   .0018319    -2.70   0.012    -.0087206    -.001175
        IDHM |  -.8515774   .6679633    -1.27   0.214    -2.227274    .5241188
      ln_pop |  -.3723024   .1062593    -3.50   0.002    -.5911476   -.1534572
     ln_elec |   .0472533   .1366824     0.35   0.732    -.2342494    .3287561
       _cons |   8.840382   1.289793     6.85   0.000     6.184002    11.49676
-------------+----------------------------------------------------------------
     sigma_u |  .67776369
------------------------------------------------------------------------------
```

```
     sigma_e │  .63786797
         rho │  .53029652   (fraction of variance due to u_i)
─────────────┴──────────────────────────────────────────────────────────────
```

```
674 . ** Outcome: Polarization
675 .
    end of do-file

676 . do "/var/folders/1p/ktsylbts09n7c1cbjt351qpm0000gn/T//SD24459.000000"

677 . *****************
678 . *** Appendix G: Fixed effects models testing for heterogeneous effects by time
679 . *****************
680 .
681 .  * Table 7: Heterogeneous effects by time: Correlation between the share of Christi
    > an evangelicals and a set of electoral outcomes (1994-2018)
682 .
683 .  * To replicate estimates reported in Table 7 (Appendix), use the file "df_LPT_igre
    > jas_outcomes.dta"
684 .
685 . use "/Users/victoraraujosilva/Library/CloudStorage/GoogleDrive-victor.asaraujo@alum
    > ni.usp.br/My Drive/Igrejas_political outcomes/psrm_materials/df_LPT_igrejas_outcome
    > s.dta",clear

686 .
    end of do-file

687 . do "/var/folders/1p/ktsylbts09n7c1cbjt351qpm0000gn/T//SD24459.000000"

688 . ** Before running the OLS models, you should run the code below to create key varia
    > bles used in the statistical analysis
689 .
690 . ******************************************************************************
691 . **** Transforming/creating key variables used in the statistical analysis
692 . ******************************************************************************
693 .
694 . *** creating the log of the size of population
695 . gen ln_pop = ln(pop)
    (614 missing values generated)

696 . ** creating the log of the size of electorate
697 . gen ln_elec = ln(qtde_eleitores)

698 .
699 .
700 . ** Outcome: Turnout
701 . xtset ibge7 year

    Panel variable: ibge7 (unbalanced)
     Time variable: year, 1994 to 2018, but with gaps
             Delta: 1 unit

702 . xtreg turnout all_100 idhm ln_pop ln_elec if year >= 1994 & year <= 2000, fe cluste
    > r (cod_uf)
```

```
Fixed-effects (within) regression               Number of obs     =     18,140
Group variable: ibge7                           Number of groups  =      4,828

R-squared:                                      Obs per group:
     Within  = 0.1858                                         min =          1
     Between = 0.1161                                         avg =        3.8
     Overall = 0.0965                                         max =          4

                                                F(4, 25)          =      23.64
corr(u_i, Xb) = -0.8586                         Prob > F          =     0.0000

                                 (Std. err. adjusted for 26 clusters in cod_uf)
------------------------------------------------------------------------------
             |               Robust
     turnout |      Coef.   Std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
     all_100 |   .0001239   .0001635     0.76   0.456    -.0002129    .0004606
        idhm |   .6609826   .0882001     7.49   0.000     .4793311    .8426341
      ln_pop |   .0569508   .0090672     6.28   0.000     .0382765    .0756251
     ln_elec |  -.2172865   .0377352    -5.76   0.000    -.2950036   -.1395694
       _cons |   1.917034   .3252615     5.89   0.000     1.247145    2.586923
-------------+----------------------------------------------------------------
     sigma_u |  .15040422
     sigma_e |  .06259226
         rho |  .85237734   (fraction of variance due to u_i)
------------------------------------------------------------------------------
```

```
703 . xtreg turnout all_100 idhm ln_pop ln_elec if year >= 2002 & year <= 2010, fe cluste
    > r (cod_uf)

Fixed-effects (within) regression               Number of obs     =     24,207
Group variable: ibge7                           Number of groups  =      4,862

R-squared:                                      Obs per group:
     Within  = 0.1081                                         min =          1
     Between = 0.0927                                         avg =        5.0
     Overall = 0.0613                                         max =          5

                                                F(4, 25)          =      34.61
corr(u_i, Xb) = -0.9327                         Prob > F          =     0.0000

                                 (Std. err. adjusted for 26 clusters in cod_uf)
------------------------------------------------------------------------------
             |               Robust
     turnout |      Coef.   Std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
     all_100 |  -.0002177   .0001017    -2.14   0.042     -.000427   -8.30e-06
        idhm |    .290812   .0670973     4.33   0.000     .1526224    .4290015
      ln_pop |   .0938559   .0105367     8.91   0.000     .0721552    .1155566
     ln_elec |  -.2364269   .0386653    -6.11   0.000    -.3160596   -.1567943
       _cons |   1.945417   .3277206     5.94   0.000     1.270464     2.62037
-------------+----------------------------------------------------------------
     sigma_u |  .1367382
------------------------------------------------------------------------------
```

```
     sigma_e |   .0485784
         rho |   .88793089   (fraction of variance due to u_i)
------------------------------------------------------------------------------
```

```
704 . xtreg turnout all_100 idhm ln_pop ln_elec if year >= 2012 & year <= 2018, fe cluste
    > r (cod_uf)

Fixed-effects (within) regression               Number of obs     =     19,432
Group variable: ibge7                           Number of groups  =      4,859

R-squared:                                      Obs per group:
     Within  = 0.1621                                         min =          2
     Between = 0.0723                                         avg =        4.0
     Overall = 0.0473                                         max =          4

                                                F(4, 25)          =      79.72
corr(u_i, Xb) = -0.9827                         Prob > F          =     0.0000

                                 (Std. err. adjusted for 26 clusters in cod_uf)
------------------------------------------------------------------------------
             |               Robust
     turnout |  Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
     all_100 |  -.0005221   .0000883    -5.91   0.000     -.000704   -.0003402
        idhm |  -.2925728   .1077166    -2.72   0.012    -.5144193   -.0707262
      ln_pop |  -.0630564   .0426733    -1.48   0.152    -.1509436    .0248309
     ln_elec |  -.1929882   .0470674    -4.10   0.000    -.2899253   -.0960511
       _cons |   3.462035   .4287017     8.08   0.000     2.579108    4.344963
-------------+----------------------------------------------------------------
     sigma_u |  .27284354
     sigma_e |   .0464484
         rho |   .9718352   (fraction of variance due to u_i)
------------------------------------------------------------------------------
```

```
705 .
706 . ** Outcome: Competition
707 . xtset ibge7 year

Panel variable: ibge7 (unbalanced)
 Time variable: year, 1994 to 2018, but with gaps
         Delta: 1 unit

708 . xtreg comp all_100 idhm ln_pop ln_elec if year >= 1994 & year <= 2000, fe cluster (
    > cod_uf)

Fixed-effects (within) regression               Number of obs     =     18,140
Group variable: ibge7                           Number of groups  =      4,828

R-squared:                                      Obs per group:
     Within  = 0.0426                                         min =          1
     Between = 0.1475                                         avg =        3.8
     Overall = 0.0645                                         max =          4

                                                F(4, 25)          =      36.60
```

```
corr(u_i, Xb) = -0.6108                         Prob > F          =     0.0000

                                (Std. err. adjusted for 26 clusters in cod_uf)
------------------------------------------------------------------------------
             |               Robust
        comp |      Coef.   Std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
     all_100 |   .0001421   .0003191     0.45   0.660    -.0005151    .0007993
        idhm |  -.8499883   .0936078    -9.08   0.000    -1.042777   -.6571995
      ln_pop |  -.0178663   .0186493    -0.96   0.347    -.0562753    .0205428
     ln_elec |  -.0505162    .036949    -1.37   0.184     -.126614    .0255816
       _cons |   1.221703   .2024787     6.03   0.000     .8046906    1.638716
-------------+----------------------------------------------------------------
     sigma_u |  .12995563
     sigma_e |  .17327918
         rho |  .35998668   (fraction of variance due to u_i)
------------------------------------------------------------------------------
```

```
709 . xtreg comp all_100 idhm ln_pop ln_elec if year >= 2002 & year <= 2010, fe cluster (
> cod_uf)

Fixed-effects (within) regression               Number of obs     =     24,206
Group variable: ibge7                           Number of groups  =      4,862

R-squared:                                      Obs per group:
     Within  = 0.0184                                         min =          1
     Between = 0.0550                                         avg =        5.0
     Overall = 0.0218                                         max =          5

                                                F(4, 25)          =      18.09
corr(u_i, Xb) = -0.6883                         Prob > F          =     0.0000

                                (Std. err. adjusted for 26 clusters in cod_uf)
------------------------------------------------------------------------------
             |               Robust
        comp |      Coef.   Std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
     all_100 |   .0003817   .0002733     1.40   0.175    -.0001812    .0009446
        idhm |  -.3456687   .1745361    -1.98   0.059    -.7051327    .0137952
      ln_pop |  -.0390601   .0196939    -1.98   0.058    -.0796204    .0015001
     ln_elec |  -.0400277   .0377843    -1.06   0.300     -.117846    .0377905
       _cons |   1.086411   .3579437     3.04   0.006     .3492118    1.823609
-------------+----------------------------------------------------------------
     sigma_u |   .108726
     sigma_e |  .13275237
         rho |  .40147837   (fraction of variance due to u_i)
------------------------------------------------------------------------------
```

```
710 . xtreg comp all_100 idhm ln_pop ln_elec if year >= 2012 & year <= 2018, fe cluster (
> cod_uf)

Fixed-effects (within) regression               Number of obs     =     19,432
Group variable: ibge7                           Number of groups  =      4,859
```

```
R-squared:                                      Obs per group:
     Within  = 0.0133                                         min =         2
     Between = 0.0260                                         avg =       4.0
     Overall = 0.0020                                         max =         4

                                                F(4, 25)          =      8.75
corr(u_i, Xb) = -0.4011                         Prob > F          =    0.0001

                                (Std. err. adjusted for 26 clusters in cod_uf)
------------------------------------------------------------------------------
             |               Robust
        comp |  Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
     all_100 |  -.0001772   .0001044    -1.70   0.102    -.0003923    .0000379
        idhm |    .278068   .0815248     3.41   0.002     .1101646    .4459715
      ln_pop |    .114569   .0468163     2.45   0.022     .0181491     .210989
     ln_elec |   -.116542   .0383567    -3.04   0.006     -.195539    -.037545
       _cons |  -.1006615   .4857359    -0.21   0.838    -1.101053    .8997303
-------------+----------------------------------------------------------------
     sigma_u |  .07017414
     sigma_e |  .10060718
         rho |  .32728563   (fraction of variance due to u_i)
------------------------------------------------------------------------------

711 .
712 . ** Outcome: Conservatism
713 . xtset ibge7 year

    Panel variable: ibge7 (unbalanced)
     Time variable: year, 1994 to 2018, but with gaps
             Delta: 1 unit

714 . xtreg ideo_imp all_100 idhm ln_pop ln_elec if year >= 1994 & year <= 2000, fe clust
    > er (cod_uf)

    Fixed-effects (within) regression               Number of obs     =    18,143
    Group variable: ibge7                           Number of groups  =     4,828

    R-squared:                                      Obs per group:
         Within  = 0.0429                                         min =         1
         Between = 0.1165                                         avg =       3.8
         Overall = 0.0465                                         max =         4

                                                    F(4, 25)          =     10.15
    corr(u_i, Xb) = -0.7033                         Prob > F          =    0.0001

                                    (Std. err. adjusted for 26 clusters in cod_uf)
    ------------------------------------------------------------------------------
                 |               Robust
        ideo_imp |  Coefficient  std. err.      t    P>|t|     [95% conf. interval]
    -------------+----------------------------------------------------------------
         all_100 |  -.0003737   .0003613    -1.03   0.311    -.0011179    .0003705
            idhm |   .7639738   .1472475     5.19   0.000     .4607119    1.067236
          ln_pop |   .0006163   .0283068     0.02   0.983    -.0576827    .0589153
```

ln_elec	.0572946	.0421273	1.36	0.186	-.0294682	.1440575
_cons	-.6334814	.3683865	-1.72	0.098	-1.392188	.1252248
sigma_u	.22087201					
sigma_e	.1547054					
rho	.67086976	(fraction of variance due to u_i)				

715 . xtreg ideo_imp all_100 idhm ln_pop ln_elec if year >= 2002 & year <= 2010, fe clust
> er (cod_uf)

Fixed-effects (within) regression Number of obs = 24,209
Group variable: ibge7 Number of groups = 4,862

R-squared: Obs per group:
Within = 0.1611 min = 1
Between = 0.0129 avg = 5.0
Overall = 0.0002 max = 5

F(4, 25) = 23.42
corr(u_i, Xb) = -0.7734 Prob > F = 0.0000

(Std. err. adjusted for 26 clusters in cod_uf)

ideo_imp	Coefficient	Robust std. err.	t	P>|t|	[95% conf.	interval]
all_100	.000425	.0003031	1.40	0.173	-.0001994	.0010493
idhm	-1.321609	.2641804	-5.00	0.000	-1.865698	-.7775189
ln_pop	.0372702	.021377	1.74	0.094	-.0067565	.0812969
ln_elec	.0711903	.0654944	1.09	0.287	-.063698	.2060786
_cons	-.0819149	.4641238	-0.18	0.861	-1.037796	.8739659
sigma_u	.19216484					
sigma_e	.11938233					
rho	.72152621	(fraction of variance due to u_i)				

716 . xtreg ideo_imp all_100 idhm ln_pop ln_elec if year >= 2012 & year <= 2018, fe clust
> er (cod_uf)

Fixed-effects (within) regression Number of obs = 19,432
Group variable: ibge7 Number of groups = 4,859

R-squared: Obs per group:
Within = 0.1151 min = 2
Between = 0.0231 avg = 4.0
Overall = 0.0094 max = 4

F(4, 25) = 15.84
corr(u_i, Xb) = -0.9865 Prob > F = 0.0000

(Std. err. adjusted for 26 clusters in cod_uf)

ideo_imp	Coefficient	Robust std. err.	t	P>|t|	[95% conf.	interval]
all_100	.0010326	.0003295	3.13	0.004	.000354	.0017113
idhm	.5289347	.1813419	2.92	0.007	.1554541	.9024153
ln_pop	.3823246	.1260605	3.03	0.006	.1226981	.6419511
ln_elec	.1925175	.0469263	4.10	0.000	.095871	.289164
_cons	-5.703487	1.068752	-5.34	0.000	-7.904622	-3.502352
sigma_u	.67223908					
sigma_e	.11046584					
rho	.9737072	(fraction of variance due to u_i)				

```
717 .
718 .
719 . ** Outcome: Polarization
720 . xtset ibge7 year

    Panel variable: ibge7 (unbalanced)
     Time variable: year, 1994 to 2018, but with gaps
             Delta: 1 unit

721 . xtreg pol_pi all_100 idhm ln_pop ln_elec if year >= 1994 & year <= 2000, fe cluster
    >  (cod_uf)

    Fixed-effects (within) regression               Number of obs     =     18,143
    Group variable: ibge7                           Number of groups  =      4,828

    R-squared:                                      Obs per group:
         Within  = 0.0112                                         min =          1
         Between = 0.0056                                         avg =        3.8
         Overall = 0.0052                                         max =          4

                                                    F(4, 25)          =       2.03
    corr(u_i, Xb) = -0.2817                         Prob > F          =     0.1210

                                  (Std. err. adjusted for 26 clusters in cod_uf)
```

pol_pi	Coefficient	Robust std. err.	t	P>|t|	[95% conf.	interval]
all_100	.0022689	.0020298	1.12	0.274	-.0019116	.0064493
idhm	-2.713752	1.278368	-2.12	0.044	-5.3466	-.0809044
ln_pop	-.0606797	.1520813	-0.40	0.693	-.373897	.2525375
ln_elec	.2464851	.2492772	0.99	0.332	-.2669109	.7598811
_cons	5.526832	2.340345	2.36	0.026	.7068008	10.34686
sigma_u	.76966588					
sigma_e	.95098494					
rho	.39577914	(fraction of variance due to u_i)				

```
722 . xtreg pol_pi all_100 idhm ln_pop ln_elec if year >= 2002 & year <= 2010, fe cluster
```

```
> (cod_uf)

Fixed-effects (within) regression               Number of obs     =     24,209
Group variable: ibge7                           Number of groups  =      4,862

R-squared:                                      Obs per group:
     Within  = 0.1579                                         min =          1
     Between = 0.0001                                         avg =        5.0
     Overall = 0.0103                                         max =          5

                                                F(4, 25)          =      42.24
corr(u_i, Xb) = -0.8497                         Prob > F          =     0.0000

                                 (Std. err. adjusted for 26 clusters in cod_uf)
------------------------------------------------------------------------------
             |               Robust
      pol_pi | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
     all_100 |   .0001166   .0022547     0.05   0.959    -.0045271    .0047602
        idhm |    -6.7535   .7261417    -9.30   0.000    -8.249017   -5.257984
      ln_pop |   -.2519276   .1314491    -1.92   0.067     -.522652    .0187969
     ln_elec |   -.3704702   .2278593    -1.63   0.117    -.8397553    .0988149
       _cons |    15.42734    1.65817     9.30   0.000     12.01227     18.8424
-------------+----------------------------------------------------------------
     sigma_u |   1.0673184
     sigma_e |   .75287162
         rho |    .6677486   (fraction of variance due to u_i)
------------------------------------------------------------------------------

723 . xtreg pol_pi all_100 idhm ln_pop ln_elec if year >= 2012 & year <= 2018, fe cluster
> (cod_uf)

Fixed-effects (within) regression               Number of obs     =     19,432
Group variable: ibge7                           Number of groups  =      4,859

R-squared:                                      Obs per group:
     Within  = 0.0572                                         min =          2
     Between = 0.0032                                         avg =        4.0
     Overall = 0.0022                                         max =          4

                                                F(4, 25)          =      19.22
corr(u_i, Xb) = -0.9793                         Prob > F          =     0.0000

                                 (Std. err. adjusted for 26 clusters in cod_uf)
------------------------------------------------------------------------------
             |               Robust
      pol_pi | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
     all_100 |  -.0010154   .0011321    -0.90   0.378     -.003347    .0013163
        idhm |   4.422176   .7023103     6.30   0.000     2.975741    5.868612
      ln_pop |  -.7269954   .3364853    -2.16   0.041        -1.42   -.0339909
     ln_elec |  -1.450917   .2709163    -5.36   0.000    -2.00888   -.8929549
       _cons |   22.60599   3.667754     6.16   0.000     15.05211    30.15987
------------------------------------------------------------------------------
```

```
     sigma_u |  2.3704498
     sigma_e |  .60888266
         rho |  .93810479   (fraction of variance due to u_i)
------------------------------------------------------------------------------

724 .
    end of do-file

725 . do "/var/folders/1p/ktsylbts09n7c1cbjt351qpm0000gn/T//SD24459.000000"

726 . *****************
727 . *** Appendix H: Using the Worker's Party (PT) share of votes as an alternative meas
    > ure of conservatism
728 . *****************
729 .
730 . * Table 8: Correlation between the number of evangelical churches per 100,000 inhab
    > itants and a set of electoral outcomes (1994-2018)
731 .
732 . *** To replicate estimates reported in Table 8 (Appendix), use the file "df_LPT_igr
    > ejas_outcomes.dta"
733 . use "/Users/victoraraujosilva/Library/CloudStorage/GoogleDrive-victor.asaraujo@alum
    > ni.usp.br/My Drive/Igrejas_political outcomes/psrm_materials/df_LPT_igrejas_outcome
    > s.dta",clear

734 .
735 . ** Before running the OLS models, you should run the code below to create key varia
    > bles used in the statistical analysis
736 .
    end of do-file

737 . do "/var/folders/1p/ktsylbts09n7c1cbjt351qpm0000gn/T//SD24459.000000"

738 . ********************************************************************************
739 . **** Transforming/creating key variables used in the statistical analysis
740 . ********************************************************************************
741 .
742 . *** creating the log of the size of population
743 . gen ln_pop = ln(pop)
    (614 missing values generated)

744 . ** creating the log of the size of electorate
745 . gen ln_elec = ln(qtde_eleitores)

746 .
    end of do-file

747 . do "/var/folders/1p/ktsylbts09n7c1cbjt351qpm0000gn/T//SD24459.000000"

748 . ** Municipal and year-level fixed effects models (FE)
749 .
750 . *** Full sample (All)
751 . xtset ibge7 year

    Panel variable: ibge7 (unbalanced)
```

```
 Time variable: year, 1994 to 2018, but with gaps
         Delta: 1 unit

752 . ** Outcome: Turnout
753 . xtreg turnout all_100 idhm ln_pop ln_elec, fe cluster (cod_uf)

Fixed-effects (within) regression               Number of obs     =     61,779
Group variable: ibge7                           Number of groups  =      4,862

R-squared:                                      Obs per group:
     Within  = 0.1082                                         min =          4
     Between = 0.0842                                         avg =       12.7
     Overall = 0.0569                                         max =         13

                                                F(4, 25)          =      42.55
corr(u_i, Xb) = -0.8191                         Prob > F          =     0.0000

                                  (Std. err. adjusted for 26 clusters in cod_uf)
------------------------------------------------------------------------------
             |               Robust
     turnout | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
     all_100 |  -.0007093   .0001053    -6.73   0.000    -.0009263   -.0004924
        idhm |   .2827041   .0359544     7.86   0.000     .2086547    .3567535
      ln_pop |   .0561408    .011227     5.00   0.000     .0330183    .0792632
     ln_elec |  -.1491222   .0292724    -5.09   0.000    -.2094099   -.0888345
       _cons |   1.505622   .2307078     6.53   0.000     1.030471    1.980774
-------------+----------------------------------------------------------------
     sigma_u |  .09114787
     sigma_e |  .05835574
         rho |  .70927198   (fraction of variance due to u_i)
------------------------------------------------------------------------------

754 . ** Outcome: Competition
755 . xtreg comp all_100 idhm ln_pop ln_elec, fe cluster (cod_uf)

Fixed-effects (within) regression               Number of obs     =     61,778
Group variable: ibge7                           Number of groups  =      4,862

R-squared:                                      Obs per group:
     Within  = 0.0587                                         min =          4
     Between = 0.1203                                         avg =       12.7
     Overall = 0.0580                                         max =         13

                                                F(4, 25)          =      49.46
corr(u_i, Xb) = -0.3674                         Prob > F          =     0.0000

                                  (Std. err. adjusted for 26 clusters in cod_uf)
------------------------------------------------------------------------------
             |               Robust
        comp | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
     all_100 |   .0003582   .0001371     2.61   0.015     .0000758    .0006406
        idhm |  -.2959386   .0438156    -6.75   0.000    -.3861784   -.2056988
```

ln_pop	.0205776	.0105087	1.96	0.061	-.0010655	.0422208
ln_elec	-.0603529	.015667	-3.85	0.001	-.0926197	-.0280861
_cons	.6748906	.1220318	5.53	0.000	.4235615	.9262197
sigma_u	.06424582					
sigma_e	.13914665					
rho	.17571926	(fraction of variance due to u_i)				

```
756 . ** Outcome: Conservatism
757 . xtreg ideo_imp all_100 idhm ln_pop ln_elec, fe cluster (cod_uf)

Fixed-effects (within) regression               Number of obs     =     61,784
Group variable: ibge7                           Number of groups  =      4,862

R-squared:                                      Obs per group:
     Within  = 0.0668                                         min =          4
     Between = 0.0420                                         avg =       12.7
     Overall = 0.0003                                         max =         13

                                                F(4, 25)          =      14.01
corr(u_i, Xb) = -0.5450                         Prob > F          =     0.0000

                                    (Std. err. adjusted for 26 clusters in cod_uf)
```

ideo_imp	Coefficient	Robust std. err.	t	P>|t|	[95% conf.	interval]
all_100	.0018173	.0003129	5.81	0.000	.0011728	.0024618
idhm	-.5063691	.1462646	-3.46	0.002	-.8076067	-.2051315
ln_pop	.0456011	.0211036	2.16	0.040	.0021375	.0890647
ln_elec	.0044257	.0383037	0.12	0.909	-.0744622	.0833136
_cons	-.0225601	.2831346	-0.08	0.937	-.6056868	.5605666
sigma_u	.12796934					
sigma_e	.15151813					
rho	.41633687	(fraction of variance due to u_i)				

```
758 . ** Outcome: Polarization
759 . xtreg pol_pi all_100 idhm ln_pop ln_elec, fe cluster (cod_uf)

Fixed-effects (within) regression               Number of obs     =     61,784
Group variable: ibge7                           Number of groups  =      4,862

R-squared:                                      Obs per group:
     Within  = 0.0963                                         min =          4
     Between = 0.0048                                         avg =       12.7
     Overall = 0.0122                                         max =         13

                                                F(4, 25)          =      28.84
corr(u_i, Xb) = -0.6314                         Prob > F          =     0.0000

                                    (Std. err. adjusted for 26 clusters in cod_uf)
```

pol_pi	Coefficient	Robust std. err.	t	P>|t|	[95% conf.	interval]
all_100	.000029	.0010673	0.03	0.979	-.0021691	.002227
idhm	-2.122102	.4408095	-4.81	0.000	-3.029966	-1.214238
ln_pop	-.0956001	.1011516	-0.95	0.354	-.3039258	.1127256
ln_elec	-.2586785	.1439944	-1.80	0.085	-.5552405	.0378834
_cons	10.14099	.8016745	12.65	0.000	8.489913	11.79207
sigma_u	.63909636					
sigma_e	.81863191					
rho	.37867909	(fraction of variance due to u_i)				

```
760 . ** Outcome: Worker's Party (PT's) vote share
761 . xtreg share_votes all_100 idhm ln_pop ln_elec, fe cluster (cod_uf)

Fixed-effects (within) regression               Number of obs     =     41,358
Group variable: ibge7                           Number of groups  =      4,860

R-squared:                                      Obs per group:
     Within  = 0.3294                                         min =          2
     Between = 0.0010                                         avg =        8.5
     Overall = 0.1027                                         max =         13

                                                F(4, 25)          =      63.06
corr(u_i, Xb) = -0.6321                         Prob > F          =     0.0000

                                (Std. err. adjusted for 26 clusters in cod_uf)
```

share_votes	Coefficient	Robust std. err.	t	P>|t|	[95% conf.	interval]
all_100	-.2518615	.017229	-14.62	0.000	-.2873453	-.2163778
idhm	99.38255	7.278998	13.65	0.000	84.39117	114.3739
ln_pop	-2.997905	2.107841	-1.42	0.167	-7.339085	1.343275
ln_elec	-4.828399	3.633349	-1.33	0.196	-12.31142	2.654624
_cons	46.32491	22.90428	2.02	0.054	-.8473297	93.49715
sigma_u	12.233924					
sigma_e	12.110393					
rho	.50507421	(fraction of variance due to u_i)				

```
762 .
763 .
764 . *** National elections
765 . ** Outcome: Turnout
766 . xtreg turnout all_100 idhm ln_pop ln_elec if national ==1, fe cluster (cod_uf)

Fixed-effects (within) regression               Number of obs     =     33,560
Group variable: ibge7                           Number of groups  =      4,862
```

```
R-squared:                                      Obs per group:
     Within  = 0.1663                                         min =         2
     Between = 0.0113                                         avg =       6.9
     Overall = 0.0207                                         max =         7

                                                F(4, 25)          =     57.81
corr(u_i, Xb) = -0.7542                         Prob > F          =    0.0000

                                (Std. err. adjusted for 26 clusters in cod_uf)
------------------------------------------------------------------------------
             |               Robust
     turnout |  Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
     all_100 |   -.000533   .0001204    -4.43   0.000    -.0007809    -.000285
        idhm |   .2529207   .0366583     6.90   0.000     .1774215      .32842
      ln_pop |   .0958059    .013722     6.98   0.000     .0675449    .1240668
     ln_elec |  -.1779845   .0292664    -6.08   0.000    -.2382597   -.1177093
       _cons |    1.37641   .2498904     5.51   0.000     .8617511    1.891069
-------------+----------------------------------------------------------------
     sigma_u |  .09266307
     sigma_e |  .04902805
         rho |  .78128233   (fraction of variance due to u_i)
------------------------------------------------------------------------------
```

```
767 . ** Outcome: Competition
768 . xtreg comp all_100 idhm ln_pop ln_elec if national ==1, fe cluster (cod_uf)

Fixed-effects (within) regression               Number of obs     =     33,560
Group variable: ibge7                           Number of groups  =      4,862

R-squared:                                      Obs per group:
     Within  = 0.1041                                         min =         2
     Between = 0.0825                                         avg =       6.9
     Overall = 0.0861                                         max =         7

                                                F(4, 25)          =     36.56
corr(u_i, Xb) = -0.2405                         Prob > F          =    0.0000

                                (Std. err. adjusted for 26 clusters in cod_uf)
------------------------------------------------------------------------------
             |               Robust
        comp |  Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
     all_100 |   .0001884   .0002061     0.91   0.369     -.000236    .0006128
        idhm |  -.4141804    .072323    -5.73   0.000    -.5631323   -.2652285
      ln_pop |  -.0218928   .0127042    -1.72   0.097    -.0480575    .0042719
     ln_elec |  -.0153376   .0212358    -0.72   0.477    -.0590735    .0283983
       _cons |   .7857846   .2077661     3.78   0.001     .3578824    1.213687
-------------+----------------------------------------------------------------
     sigma_u |  .09133291
     sigma_e |  .15089417
         rho |  .26812919   (fraction of variance due to u_i)
------------------------------------------------------------------------------
```

```
769 . ** Outcome: Conservatism
770 . xtreg ideo_imp all_100 idhm ln_pop ln_elec if national ==1, fe cluster (cod_uf)

Fixed-effects (within) regression               Number of obs     =     33,560
Group variable: ibge7                           Number of groups  =      4,862

R-squared:                                      Obs per group:
     Within  = 0.0647                                         min =          2
     Between = 0.0511                                         avg =        6.9
     Overall = 0.0013                                         max =          7

                                                F(4, 25)          =      10.87
corr(u_i, Xb) = -0.6346                         Prob > F          =     0.0000

                                 (Std. err. adjusted for 26 clusters in cod_uf)
------------------------------------------------------------------------------
             |               Robust
    ideo_imp |  Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
     all_100 |   .0021095   .0003565     5.92   0.000     .0013753    .0028437
        idhm |   -.489364   .1486076    -3.29   0.003     -.795427   -.1833009
      ln_pop |    .080754   .0257435     3.14   0.004     .0277341    .1337738
     ln_elec |  -.0088371   .0462022    -0.19   0.850    -.1039923    .0863181
       _cons |  -.2703279   .3132644    -0.86   0.396    -.9155079    .3748521
-------------+----------------------------------------------------------------
     sigma_u |  .15672483
     sigma_e |  .16270497
         rho |  .48128528   (fraction of variance due to u_i)
------------------------------------------------------------------------------

771 . ** Outcome: Polarization
772 . xtreg pol_pi all_100 idhm ln_pop ln_elec if national ==1, fe cluster (cod_uf)

Fixed-effects (within) regression               Number of obs     =     33,560
Group variable: ibge7                           Number of groups  =      4,862

R-squared:                                      Obs per group:
     Within  = 0.1297                                         min =          2
     Between = 0.0006                                         avg =        6.9
     Overall = 0.0329                                         max =          7

                                                F(4, 25)          =      21.56
corr(u_i, Xb) = -0.4783                         Prob > F          =     0.0000

                                 (Std. err. adjusted for 26 clusters in cod_uf)
------------------------------------------------------------------------------
             |               Robust
      pol_pi |  Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
     all_100 |  -.0010472   .0014752    -0.71   0.484    -.0040854     .001991
        idhm |   -2.18119   .5004462    -4.36   0.000    -3.211878   -1.150502
      ln_pop |  -.2126412   .1465368    -1.45   0.159    -.5144394    .089157
     ln_elec |  -.0904771   .1900261    -0.48   0.638    -.4818431    .3008889
       _cons |    10.0278   1.104014     9.08   0.000     7.754046    12.30156
------------------------------------------------------------------------------
```

```
-------------+----------------------------------------------------------------
     sigma_u |  .6620002
     sigma_e |  .78421317
         rho |  .4160937   (fraction of variance due to u_i)
-------------+----------------------------------------------------------------
```

```
773 . ** Outcome: Worker's Party (PT's) vote share
774 . xtreg share_votes all_100 idhm ln_pop ln_elec if national ==1, fe cluster (cod_uf)

Fixed-effects (within) regression               Number of obs     =     33,539
Group variable: ibge7                           Number of groups  =      4,860

R-squared:                                      Obs per group:
     Within  = 0.4489                                         min =          2
     Between = 0.0225                                         avg =        6.9
     Overall = 0.1214                                         max =          7

                                                F(4, 25)          =      63.40
corr(u_i, Xb) = -0.6002                         Prob > F          =     0.0000

                                (Std. err. adjusted for 26 clusters in cod_uf)
------------------------------------------------------------------------------
             |               Robust
 share_votes |  Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
     all_100 |  -.2869095   .0197901   -14.50   0.000     -.327668   -.2461511
        idhm |    102.215   7.692795    13.29   0.000     86.37144    118.0587
      ln_pop |  -5.669427   2.310654    -2.45   0.021    -10.42831   -.9105458
     ln_elec |  -.9637405   4.093563    -0.24   0.816    -9.394592    7.467111
       _cons |   36.48613   27.22798     1.34   0.192    -19.59094     92.5632
-------------+----------------------------------------------------------------
     sigma_u |  12.576345
     sigma_e |  10.464147
         rho |   .5909093   (fraction of variance due to u_i)
------------------------------------------------------------------------------

775 .
776 . *** Local elections
777 . ** Outcome: Turnout
778 . xtreg turnout all_100 idhm ln_pop if national ==0, fe cluster (cod_uf)

Fixed-effects (within) regression               Number of obs     =     28,219
Group variable: ibge7                           Number of groups  =      4,861

R-squared:                                      Obs per group:
     Within  = 0.1036                                         min =          2
     Between = 0.2943                                         avg =        5.8
     Overall = 0.2031                                         max =          6

                                                F(3, 25)          =      34.94
corr(u_i, Xb) = -0.4884                         Prob > F          =     0.0000

                                (Std. err. adjusted for 26 clusters in cod_uf)
-------------+----------------------------------------------------------------
```

turnout	Coefficient	Robust std. err.	t	P>|t|	[95% conf.	interval]
all_100	-.000648	.0001003	-6.46	0.000	-.0008545	-.0004416
idhm	.1983036	.031176	6.36	0.000	.1340955	.2625118
ln_pop	-.0466998	.0120505	-3.88	0.001	-.0715183	-.0218813
_cons	1.19737	.123038	9.73	0.000	.9439686	1.450772
sigma_u	.04850693					
sigma_e	.04484007					
rho	.53922146	(fraction of variance due to u_i)				

```
779 . ** Outcome: Competition
780 . xtreg comp all_100 idhm ln_pop if national ==0, fe cluster (cod_uf)

Fixed-effects (within) regression               Number of obs     =     28,218
Group variable: ibge7                           Number of groups  =      4,861

R-squared:                                      Obs per group:
     Within  = 0.0206                                         min =          2
     Between = 0.0007                                         avg =        5.8
     Overall = 0.0054                                         max =          6

                                                F(3, 25)          =      20.92
corr(u_i, Xb) = -0.1143                         Prob > F          =     0.0000

                                  (Std. err. adjusted for 26 clusters in cod_uf)
```

comp	Coefficient	Robust std. err.	t	P>|t|	[95% conf.	interval]
all_100	.0001131	.0000726	1.56	0.132	-.0000363	.0002626
idhm	-.1225042	.0216757	-5.65	0.000	-.1671461	-.0778623
ln_pop	.0040123	.0056014	0.72	0.480	-.0075239	.0155485
_cons	.1232357	.0474482	2.60	0.016	.0255142	.2209571
sigma_u	.06111173					
sigma_e	.07878066					
rho	.37567949	(fraction of variance due to u_i)				

```
781 . ** Outcome: Conservatism
782 . xtreg ideo_imp all_100 idhm ln_pop if national ==0, fe cluster (cod_uf)

Fixed-effects (within) regression               Number of obs     =     28,224
Group variable: ibge7                           Number of groups  =      4,861

R-squared:                                      Obs per group:
     Within  = 0.1086                                         min =          2
     Between = 0.0015                                         avg =        5.8
     Overall = 0.0267                                         max =          6

                                                F(3, 25)          =      13.27
```

```
corr(u_i, Xb) = -0.2848                         Prob > F          =     0.0000

                                (Std. err. adjusted for 26 clusters in cod_uf)
------------------------------------------------------------------------------
             |               Robust
    ideo_imp |  Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
     all_100 |   .0015947   .0003327     4.79   0.000     .0009095    .0022799
        idhm |  -.5548273    .134864    -4.11   0.000    -.8325848   -.2770697
      ln_pop |   .0169815   .0280906     0.60   0.551    -.0408723    .0748352
       _cons |   .3465766   .2173703     1.59   0.123    -.1011058    .7942591
-------------+----------------------------------------------------------------
     sigma_u |  .11288206
     sigma_e |  .13057978
         rho |  .42769013   (fraction of variance due to u_i)
------------------------------------------------------------------------------

783 . ** Outcome: Polarization
784 . xtreg pol_pi all_100 idhm ln_pop if national ==0, fe cluster (cod_uf)

Fixed-effects (within) regression               Number of obs     =     28,224
Group variable: ibge7                           Number of groups  =      4,861

R-squared:                                      Obs per group:
     Within  = 0.1134                                         min =          2
     Between = 0.0262                                         avg =        5.8
     Overall = 0.0037                                         max =          6

                                                F(3, 25)          =      53.11
corr(u_i, Xb) = -0.5301                         Prob > F          =     0.0000

                                (Std. err. adjusted for 26 clusters in cod_uf)
------------------------------------------------------------------------------
             |               Robust
      pol_pi |  Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
     all_100 |  -.0015246   .0011578    -1.32   0.200    -.0039092      .00086
        idhm |  -2.019617    .585495    -3.45   0.002    -3.225466    -.813767
      ln_pop |  -.2293125   .1061179    -2.16   0.040    -.4478665   -.0107585
       _cons |       8.699   .7474703    11.64   0.000     7.159556    10.23844
-------------+----------------------------------------------------------------
     sigma_u |  .64536879
     sigma_e |  .66680405
         rho |  .48366866   (fraction of variance due to u_i)
------------------------------------------------------------------------------

785 . ** Outcome: Worker's Party (PT's) vote share
786 . xtreg share_votes all_100 idhm ln_pop if national ==0, fe cluster (cod_uf)

Fixed-effects (within) regression               Number of obs     =      7,819
Group variable: ibge7                           Number of groups  =      3,405

R-squared:                                      Obs per group:
     Within  = 0.0979                                         min =          1
```

```
     Between = 0.1007                                        avg =        2.3
     Overall = 0.0893                                        max =          6

                                                 F(3, 25)          =      27.42
corr(u_i, Xb) = -0.2158                          Prob > F          =     0.0000

                                (Std. err. adjusted for 26 clusters in cod_uf)
------------------------------------------------------------------------------
             |               Robust
 share_votes |  Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
     all_100 |  -.1156481   .0344209    -3.36   0.003    -.1865393   -.0447569
        idhm |   60.17009   8.118808     7.41   0.000     43.44909    76.89109
      ln_pop |  -5.505198   1.376037    -4.00   0.000      -8.3392   -2.671195
       _cons |    41.4782   14.72001     2.82   0.009     11.16177    71.79463
-------------+----------------------------------------------------------------
     sigma_u |  14.416463
     sigma_e |  12.376731
         rho |  .57569005   (fraction of variance due to u_i)
------------------------------------------------------------------------------

787 .
    end of do-file

788 . do "/var/folders/1p/ktsylbts09n7c1cbjt351qpm0000gn/T//SD24459.000000"

789 . * Table 9: The impact of evangelical churches on electoral politics (2004-2018)
790 .
791 . *** To replicate estimates reported in Table 9 (Appendix), use the file "df_LPT_igr
    > ejas_outcomes.dta"
792 . use "/Users/victoraraujosilva/Library/CloudStorage/GoogleDrive-victor.asaraujo@alum
    > ni.usp.br/My Drive/Igrejas_political outcomes/psrm_materials/df_LPT_igrejas_outcome
    > s.dta",clear

793 .
    end of do-file

794 . do "/var/folders/1p/ktsylbts09n7c1cbjt351qpm0000gn/T//SD24459.000000"

795 . *** Fuzzy regression discontinuity models (USING a linear FIT)
796 .
797 . ** Running these estimates requires the STATA package rdrobust. If you haven't yet,
    >  you can install this package by using the line code below:
798 .     * net install rdrobust, from(https://raw.githubusercontent.com/rdpackages/rdrob
    > ust/master/stata) replace
799 .         * Visit https://rdpackages.github.io/rdrobust/ to further information on th
    > is package
800 .
801 . ***** Full sample (All)
802 . ** Outcome: Turnout
803 . rdrobust turnout margins if year >= 2004, c(0) fuzzy(all_100) all
    Preparing data.
    Computing bandwidth selectors.
    Computing variance-covariance matrix.
```

```
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

        Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 3
---------------------+----------------------              NN matches    =
> 3
       Number of obs |      3311        5476              BW type       =        CC
> T
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     7.745       7.745
          BW bias (b) |    12.444      12.444
            rho (h/b) |     0.622       0.622

Structural Estimates. Outcome: turnout. Running variable: margins. Instrument: all_10
> 0.
-------------------------------------------------------------------------------------
> -
             Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
---------------------+---------------------------------------------------------------
> -
       Conventional |  -.00376    .00176    -2.1349   0.033      -.007221   -.00030
> 8
             Robust |      -         -      -2.0010   0.045      -.008196   -.00008
> 5
-------------------------------------------------------------------------------------
> -

First-Stage Estimates. Outcome: all_100. Running variable: margins.
-------------------------------------------------------------------------------------
> -
             Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
---------------------+---------------------------------------------------------------
> -
       Conventional |  -2.902    1.0349    -2.8042   0.005      -4.93039   -.87369
> 3
             Robust |      -         -      -2.3317   0.020      -5.22675   -.45274
> 1
-------------------------------------------------------------------------------------
> -

All structural estimates.
-------------------------------------------------------------------------------------
> -
             Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
---------------------+---------------------------------------------------------------
> -
```

```
          Conventional |  -.00376    .00176    -2.1349   0.033      -.007221   -.00030
> 8
        Bias-corrected |  -.00414    .00176    -2.3479   0.019      -.007597   -.00068
> 4
                Robust |  -.00414    .00207    -2.0010   0.045      -.008196   -.00008
> 5
-----------------------+------------------------------------------------------------
> -

804 . ** Outcome: Competition
805 . rdrobust comp margins if year >= 2004, c(0) fuzzy(all_100) all
Preparing data.
Computing bandwidth selectors.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

          Cutoff c = 0 | Left of c  Right of c              Number of obs =      3879
> 2
-----------------------+----------------------              NN matches    =
> 3
        Number of obs |      1926        2726              BW type       =        CC
> T
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     4.449       4.449
          BW bias (b) |     7.061       7.061
            rho (h/b) |     0.630       0.630

Structural Estimates. Outcome: comp. Running variable: margins. Instrument: all_100.
-----------------------+------------------------------------------------------------
> -
                Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
-----------------------+------------------------------------------------------------
> -
          Conventional |   .00124    .00281    0.4411    0.659      -.004273    .00675
> 4
                Robust |      -         -      0.5687    0.570        -.0046    .00836
> 2
-----------------------+------------------------------------------------------------
> -

First-Stage Estimates. Outcome: all_100. Running variable: margins.
-----------------------+------------------------------------------------------------
> -
                Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
-----------------------+------------------------------------------------------------
> -
          Conventional |  -3.0081    1.3895    -2.1649   0.030      -5.73146   -.28481
```

```
> 6
                Robust │      -         -      -1.8433    0.065      -6.19663    .18999
> 7
──────────────────────┼──────────────────────────────────────────────────────────────────
> ─

All structural estimates.
──────────────────────┼──────────────────────────────────────────────────────────────────
> ─
                Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
──────────────────────┼──────────────────────────────────────────────────────────────────
> ─
          Conventional │   .00124    .00281    0.4411    0.659      -.004273    .00675
> 4
        Bias-corrected │   .00188    .00281    0.6685    0.504      -.003633    .00739
> 4
                Robust │   .00188    .00331    0.5687    0.570        -.0046    .00836
> 2
──────────────────────┼──────────────────────────────────────────────────────────────────
> ─
```

```
806 . ** Outcome: Conservatism
807 . rdrobust ideo_imp margins if year >= 2004, c(0) fuzzy(all_100) all
Preparing data.
Computing bandwidth selectors.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

          Cutoff c = 0 │ Left of c  Right of c              Number of obs =      3879
> 5
──────────────────────┼──────────────────────              NN matches    =
> 3
         Number of obs │      1871        2623              BW type       =        CC
> T
  Order loc. poly. (p) │         1           1              Kernel type   = Triangula
> r
        Order bias (q) │         2           2
    BW loc. poly. (h)  │     4.325       4.325
          BW bias (b)  │     8.216       8.216
            rho (h/b)  │     0.526       0.526

Structural Estimates. Outcome: ideo_imp. Running variable: margins. Instrument: all_1
> 00.
──────────────────────┼──────────────────────────────────────────────────────────────────
> ─
                Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
──────────────────────┼──────────────────────────────────────────────────────────────────
> ─
          Conventional │  -.00894    .00576    -1.5519   0.121      -.020226     .0023
```

```
> 5
               Robust │      -         -      -1.6331   0.102      -.023102    .00210
> 2
──────────────────────┴──────────────────────────────────────────────────────────────
> ─

First-Stage Estimates. Outcome: all_100. Running variable: margins.
──────────────────────┬──────────────────────────────────────────────────────────────
> ─
               Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
         Conventional │  -2.9451    1.4072    -2.0929   0.036      -5.70317   -.18710
> 4
               Robust │      -         -      -1.8373   0.066      -5.95719    .19251
> 2
──────────────────────┴──────────────────────────────────────────────────────────────
> ─

All structural estimates.
──────────────────────┬──────────────────────────────────────────────────────────────
> ─
               Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
         Conventional │  -.00894    .00576    -1.5519   0.121      -.020226     .0023
> 5
       Bias-corrected │   -.0105    .00576    -1.8232   0.068      -.021788    .00078
> 8
               Robust │   -.0105    .00643    -1.6331   0.102      -.023102    .00210
> 2
──────────────────────┴──────────────────────────────────────────────────────────────
> ─

808 . ** Outcome: Polarization
809 . rdrobust pol_pi margins if year >= 2004, c(0) fuzzy(all_100) all
Preparing data.
Computing bandwidth selectors.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 │ Left of c  Right of c              Number of obs =      3879
> 5
──────────────────────┼──────────────────────              NN matches    =
> 3
        Number of obs │      2988        4362              BW type       =        CC
> T
 Order loc. poly. (p) │         1           1              Kernel type   = Triangula
> r
```

```
       Order bias (q) |         2           2
    BW loc. poly. (h) |     6.708       6.708
          BW bias (b) |    10.059      10.059
            rho (h/b) |     0.667       0.667

Structural Estimates. Outcome: pol_pi. Running variable: margins. Instrument: all_100
> .
------------------------------------------------------------------------------------
> -
               Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
------------------------------------------------------------------------------------
> -
         Conventional |   .02554    .01694    1.5074    0.132      -.007666     .0587
> 4
               Robust |      -         -      1.2608    0.207      -.014281    .06578
> 6
------------------------------------------------------------------------------------
> -

First-Stage Estimates. Outcome: all_100. Running variable: margins.
------------------------------------------------------------------------------------
> -
               Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
------------------------------------------------------------------------------------
> -
         Conventional |  -2.8541    1.1166    -2.5560   0.011      -5.04256   -.66556
> 1
               Robust |      -         -      -2.0124   0.044       -5.3712   -.07087
> 4
------------------------------------------------------------------------------------
> -

All structural estimates.
------------------------------------------------------------------------------------
> -
               Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
------------------------------------------------------------------------------------
> -
         Conventional |   .02554    .01694    1.5074    0.132      -.007666     .0587
> 4
       Bias-corrected |   .02575    .01694    1.5202    0.128       -.00745    .05895
> 5
               Robust |   .02575    .02043    1.2608    0.207      -.014281    .06578
> 6
------------------------------------------------------------------------------------
> -

810 .
    end of do-file

811 . do "/var/folders/1p/ktsylbts09n7c1cbjt351qpm0000gn/T//SD24459.000000"
```

```
812 . rdrobust share_votes margins if year >= 2004, c(0) fuzzy(all_100) all
    Preparing data.
    Computing bandwidth selectors.
    Computing variance-covariance matrix.
    Computing RD estimates.
    Estimation completed.

    Sharp RD estimates using local polynomial regression.

            Cutoff c = 0 | Left of c  Right of c              Number of obs =      2514
    > 2
    ---------------------+----------------------              NN matches    =
    > 3
           Number of obs |      1106        1462              BW type       =        CC
    > T
     Order loc. poly. (p) |         1           1              Kernel type   = Triangula
    > r
           Order bias (q) |         2           2
        BW loc. poly. (h) |     3.927       3.927
              BW bias (b) |     6.157       6.157
                rho (h/b) |     0.638       0.638

    Structural Estimates. Outcome: share_votes. Running variable: margins. Instrument: al
    > l_100.
    ---------------------+------------------------------------------------------------------
    > -
                  Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
    > ]
    ---------------------+------------------------------------------------------------------
    > -
            Conventional |   .76008    .71498    1.0631    0.288      -.641249    2.1614
    > 1
                  Robust |      -         -      1.0216    0.307       -.78429    2.4919
    > 6
    ---------------------+------------------------------------------------------------------
    > -

    First-Stage Estimates. Outcome: all_100. Running variable: margins.
    ---------------------+------------------------------------------------------------------
    > -
                  Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
    > ]
    ---------------------+------------------------------------------------------------------
    > -
            Conventional |  -2.8214    1.7993   -1.5680   0.117      -6.34791    .70519
    > 1
                  Robust |      -         -      -1.3805   0.167      -7.00614    1.2153
    > 2
    ---------------------+------------------------------------------------------------------
    > -

    All structural estimates.
    ---------------------+------------------------------------------------------------------
```

```
> ─
               Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
        Conventional │   .76008    .71498    1.0631    0.288      −.641249    2.1614
> 1
      Bias−corrected │   .85383    .71498    1.1942    0.232      −.547495    2.2551
> 6
              Robust │   .85383    .83579    1.0216    0.307       −.78429    2.4919
> 6
──────────────────────┴──────────────────────────────────────────────────────────────
> ─

813 .
end of do−file

814 . do "/var/folders/1p/ktsylbts09n7c1cbjt351qpm0000gn/T//SD24459.000000"

815 . ***** National elections
816 . ** Outcome: Turnout
817 . rdrobust turnout margins if year >= 2004 & national ==1, c(0)  fuzzy(all_100) all
Preparing data.
Computing bandwidth selectors.
Computing variance−covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

        Cutoff c = 0 │ Left of c  Right of c              Number of obs =      1944
> 5
─────────────────────┼──────────────────────              NN matches    =
> 3
       Number of obs │      1660        2710              BW type       =        CC
> T
 Order loc. poly. (p) │         1           1              Kernel type   = Triangula
> r
       Order bias (q) │         2           2
    BW loc. poly. (h) │     7.696       7.696
          BW bias (b) │    11.959      11.959
            rho (h/b) │     0.644       0.644

Structural Estimates. Outcome: turnout. Running variable: margins. Instrument: all_10
> 0.
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
               Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
        Conventional │  −.00318    .00216   −1.4774   0.140      −.007409     .0010
> 4
              Robust │      −         −     −1.3496   0.177       −.00847    .00156
```

```
> 2
──────────────────────┼──────────────────────────────────────────────────────────────
> ─

First-Stage Estimates. Outcome: all_100. Running variable: margins.
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
               Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
         Conventional │  -2.9297    1.4939    -1.9612   0.050      -5.85761   -.00180
> 7
               Robust │      -         -      -1.6665   0.096      -6.45856    .52256
> 3
──────────────────────┼──────────────────────────────────────────────────────────────
> ─

All structural estimates.
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
               Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
         Conventional │  -.00318    .00216    -1.4774   0.140      -.007409     .0010
> 4
       Bias-corrected │  -.00345    .00216    -1.6024   0.109      -.007679    .00077
> 1
               Robust │  -.00345    .00256    -1.3496   0.177       -.00847    .00156
> 2
──────────────────────┼──────────────────────────────────────────────────────────────
> ─

818 . ** Outcome: Competition
819 . rdrobust comp margins if year >= 2004 & national ==1, c(0) fuzzy(all_100) all
Preparing data.
Computing bandwidth selectors.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 │ Left of c  Right of c              Number of obs =      1944
> 5
──────────────────────┼──────────────────────              NN matches    =
> 3
        Number of obs │      1256        1766              BW type       =        CC
> T
  Order loc. poly. (p) │         1           1              Kernel type   = Triangula
> r
       Order bias (q) │         2           2
    BW loc. poly. (h) │     5.594       5.594
```

```
          BW bias (b) |     8.394       8.394
            rho (h/b) |     0.666       0.666
```

Structural Estimates. Outcome: comp. Running variable: margins. Instrument: all_100.

```
> ─
              Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
        Conventional |   −.0047     .0049    −0.9581   0.338      −.014305    .00491
> 1
              Robust |      −         −      −0.8725   0.383      −.016604    .00637
> 4
─────────────────────┴──────────────────────────────────────────────────────────────
> ─
```

First-Stage Estimates. Outcome: all_100. Running variable: margins.

```
> ─
              Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
        Conventional |  −2.8444    1.7772    −1.6005   0.109      −6.32767    .63893
> 5
              Robust |      −         −      −1.2198   0.223      −6.77368    1.5766
> 8
─────────────────────┴──────────────────────────────────────────────────────────────
> ─
```

All structural estimates.

```
> ─
              Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
        Conventional |   −.0047     .0049    −0.9581   0.338      −.014305    .00491
> 1
      Bias-corrected |  −.00511     .0049    −1.0434   0.297      −.014723    .00449
> 3
              Robust |  −.00511    .00586    −0.8725   0.383      −.016604    .00637
> 4
─────────────────────┴──────────────────────────────────────────────────────────────
> ─
```

```
820 . ** Outcome: Conservatism
821 . rdrobust ideo_imp margins if year >= 2004 & national ==1, c(0) fuzzy(all_100) all
```

Preparing data.
Computing bandwidth selectors.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

Cutoff c = 0	Left of **c**	Right of **c**	Number of obs = **1944**
			NN matches =
Number of obs	**1008**	**1410**	BW type = **CC**
Order loc. poly. (p)	**1**	**1**	Kernel type = **Triangula**
Order bias (q)	**2**	**2**	
BW loc. poly. (h)	**4.573**	**4.573**	
BW bias (b)	**8.137**	**8.137**	
rho (h/b)	**0.562**	**0.562**	

Structural Estimates. Outcome: ideo_imp. Running variable: margins. Instrument: all_100.

Method	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
Conventional	**-.01451**	**.01131**	**-1.2837**	**0.199**	**-.036672**	**.00764**
Robust	**-**	**-**	**-1.2974**	**0.195**	**-.041828**	**.00850**

First-Stage Estimates. Outcome: all_100. Running variable: margins.

Method	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
Conventional	**-2.9702**	**1.9633**	**-1.5129**	**0.130**	**-6.81818**	**.87778**
Robust	**-**	**-**	**-1.2865**	**0.198**	**-7.23092**	**1.5000**

All structural estimates.

Method	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
Conventional	**-.01451**	**.01131**	**-1.2837**	**0.199**	**-.036672**	**.00764**

```
       Bias-corrected │  -.01666    .01131    -1.4735   0.141      -.038819      .005
> 5
             Robust │  -.01666    .01284    -1.2974   0.195      -.041828    .00850
> 9
────────────────────┼──────────────────────────────────────────────────────────────
> ─

822 . ** Outcome: Polarization
823 . rdrobust pol_pi margins if year >= 2004 & national ==1, c(0) fuzzy(all_100) all
Preparing data.
Computing bandwidth selectors.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

        Cutoff c = 0 │ Left of c  Right of c              Number of obs =      1944
> 5
─────────────────────┼──────────────────────              NN matches    =
> 3
       Number of obs │      1488        2166              BW type       =        CC
> T
 Order loc. poly. (p) │         1           1              Kernel type   = Triangula
> r
       Order bias (q) │         2           2
    BW loc. poly. (h) │     6.594       6.594
          BW bias (b) │     9.927       9.927
            rho (h/b) │     0.664       0.664

Structural Estimates. Outcome: pol_pi. Running variable: margins. Instrument: all_100
> .
────────────────────┼──────────────────────────────────────────────────────────────
> ─
             Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
────────────────────┼──────────────────────────────────────────────────────────────
> ─
       Conventional │   .02043    .02312    0.8837    0.377       -.02488    .06573
> 6
             Robust │      -         -      0.6902    0.490      -.035196    .07345
> 5
────────────────────┼──────────────────────────────────────────────────────────────
> ─

First-Stage Estimates. Outcome: all_100. Running variable: margins.
────────────────────┼──────────────────────────────────────────────────────────────
> ─
             Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
────────────────────┼──────────────────────────────────────────────────────────────
> ─
       Conventional │  -2.898    1.6196    -1.7893   0.074      -6.07237    .27635
> 6
```

```
                Robust │      -         -      -1.3950    0.163      -6.57058    1.1064
> 8
──────────────────────┼──────────────────────────────────────────────────────────────────
> ─

All structural estimates.
──────────────────────┼──────────────────────────────────────────────────────────────────
> ─
                Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
──────────────────────┼──────────────────────────────────────────────────────────────────
> ─
          Conventional │   .02043    .02312    0.8837    0.377       -.02488    .06573
> 6
        Bias-corrected │   .01913    .02312    0.8275    0.408      -.026179    .06443
> 8
                Robust │   .01913    .02772    0.6902    0.490      -.035196    .07345
> 5
──────────────────────┼──────────────────────────────────────────────────────────────────
> ─

824 . ** Outcome: Worker's Party (PT's) vote share
825 . rdrobust share_votes margins if year >= 2004 & national ==1, c(0) fuzzy(all_100) al
> l
Preparing data.
Computing bandwidth selectors.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

          Cutoff c = 0 │ Left of c  Right of c              Number of obs =      1943
> 0
──────────────────────┼──────────────────────              NN matches    =
> 3
         Number of obs │       868        1168              BW type       =        CC
> T
  Order loc. poly. (p) │         1           1              Kernel type   = Triangula
> r
        Order bias (q) │         2           2
     BW loc. poly. (h) │     3.898       3.898
           BW bias (b) │     5.998       5.998
             rho (h/b) │     0.650       0.650

Structural Estimates. Outcome: share_votes. Running variable: margins. Instrument: al
> l_100.
──────────────────────┼──────────────────────────────────────────────────────────────────
> ─
                Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
──────────────────────┼──────────────────────────────────────────────────────────────────
> ─
          Conventional │   .88367    1.0516    0.8403    0.401       -1.1775    2.9448
```

```
> 4
                Robust │      -         -      0.8534    0.393      -1.37215    3.4887
> 9
──────────────────────┼──────────────────────────────────────────────────────────────
> ─

First-Stage Estimates. Outcome: all_100. Running variable: margins.
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
                Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
          Conventional │  -2.4138    2.1652    -1.1148   0.265      -6.65752    1.8299
> 2
                Robust │      -         -      -0.8655   0.387      -7.21252    2.7938
> 9
──────────────────────┼──────────────────────────────────────────────────────────────
> ─

All structural estimates.
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
                Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
          Conventional │   .88367    1.0516    0.8403    0.401       -1.1775    2.9448
> 4
       Bias-corrected │   1.0583    1.0516    1.0064    0.314      -1.00285    3.1194
> 9
                Robust │   1.0583    1.2401    0.8534    0.393      -1.37215    3.4887
> 9
──────────────────────┼──────────────────────────────────────────────────────────────
> ─

826 .
    end of do-file

827 . do "/var/folders/1p/ktsylbts09n7c1cbjt351qpm0000gn/T//SD24459.000000"

828 . ***** Local elections
829 . ** Outcome: Turnout
830 . rdrobust turnout margins if year >= 2004 & national ==0, c(0)  fuzzy(all_100) all
    Preparing data.
    Computing bandwidth selectors.
    Computing variance-covariance matrix.
    Computing RD estimates.
    Estimation completed.

    Sharp RD estimates using local polynomial regression.

             Cutoff c = 0 │ Left of c  Right of c              Number of obs =      1934
    > 8
```

```
--------------------------+-----------------------                NN matches    =
> 3
        Number of obs |      1699        2938                BW type       =        CC
> T
 Order loc. poly. (p) |         1           1                Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     8.194       8.194
          BW bias (b) |    12.661      12.661
            rho (h/b) |     0.647       0.647

Structural Estimates. Outcome: turnout. Running variable: margins. Instrument: all_10
> 0.
--------------------------+------------------------------------------------------------
> -
               Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
--------------------------+------------------------------------------------------------
> -
         Conventional |  -.00405    .00236    -1.7179   0.086      -.008673    .00057
> 1
               Robust |      -         -      -1.5762   0.115      -.009926    .00107
> 7
--------------------------+------------------------------------------------------------
> -

First-Stage Estimates. Outcome: all_100. Running variable: margins.
--------------------------+------------------------------------------------------------
> -
               Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
--------------------------+------------------------------------------------------------
> -
         Conventional |    -2.91    1.3469    -2.1605   0.031      -5.54993   -.27009
> 1
               Robust |      -         -      -1.7371   0.082      -5.94122    .35809
> 4
--------------------------+------------------------------------------------------------
> -

All structural estimates.
--------------------------+------------------------------------------------------------
> -
               Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
--------------------------+------------------------------------------------------------
> -
         Conventional |  -.00405    .00236    -1.7179   0.086      -.008673    .00057
> 1
       Bias-corrected |  -.00442    .00236    -1.8761   0.061      -.009046    .00019
> 8
               Robust |  -.00442    .00281    -1.5762   0.115      -.009926    .00107
> 7
--------------------------+------------------------------------------------------------
```

```
> ─

831 . ** Outcome: Competition
832 . rdrobust comp margins if year >= 2004 & national ==0, c(0) fuzzy(all_100) all
Preparing data.
Computing bandwidth selectors.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

        Cutoff c = 0 | Left of c  Right of c              Number of obs =      1934
> 7
─────────────────────┼──────────────────────              NN matches    =
> 3
       Number of obs |       918        1292              BW type       =        CC
> T
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     4.240       4.240
          BW bias (b) |     7.083       7.083
            rho (h/b) |     0.599       0.599

Structural Estimates. Outcome: comp. Running variable: margins. Instrument: all_100.
─────────────────────┬──────────────────────────────────────────────────────────────
> ─
             Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
       Conventional |   .00671    .00543    1.2346    0.217      -.003941    .01735
> 6
             Robust |      -         -      1.2095    0.226      -.004734    .01999
> 2
─────────────────────┴──────────────────────────────────────────────────────────────
> ─

First-Stage Estimates. Outcome: all_100. Running variable: margins.
─────────────────────┬──────────────────────────────────────────────────────────────
> ─
             Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
       Conventional |  -2.9634    1.9232    -1.5409   0.123      -6.73286    .80597
> 5
             Robust |      -         -      -1.3525   0.176        -7.355    1.3487
> 6
─────────────────────┴──────────────────────────────────────────────────────────────
> ─

All structural estimates.
```

```
--------------------------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
--------------------------------------------------------------------------------
> -
        Conventional |   .00671    .00543    1.2346    0.217      -.003941    .01735
> 6
      Bias-corrected |   .00763    .00543    1.4043    0.160      -.003019    .01827
> 7
              Robust |   .00763    .00631    1.2095    0.226      -.004734    .01999
> 2
--------------------------------------------------------------------------------
> -

833 . ** Outcome: Conservatism
834 . rdrobust ideo_imp margins if year >= 2004 & national ==0, c(0) fuzzy(all_100) all
Preparing data.
Computing bandwidth selectors.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

        Cutoff c = 0 | Left of c  Right of c              Number of obs =      1935
> 0
--------------------------+----------------------              NN matches    =
> 3
       Number of obs |      1364        1958              BW type       =        CC
> T
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
      Order bias (q) |         2           2
   BW loc. poly. (h) |     6.074       6.074
         BW bias (b) |    10.262      10.262
           rho (h/b) |     0.592       0.592

Structural Estimates. Outcome: ideo_imp. Running variable: margins. Instrument: all_1
> 00.
--------------------------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
--------------------------------------------------------------------------------
> -
        Conventional |  -.00069    .00418    -0.1652   0.869      -.008881      .007
> 5
              Robust |      -         -      -0.4511   0.652      -.011632     .0072
> 8
--------------------------------------------------------------------------------
> -

First-Stage Estimates. Outcome: all_100. Running variable: margins.
```

```
─────────────────────────────────────────────────────────────────────────────
> ─
                  Method │    Coef.    Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
─────────────────────────┼───────────────────────────────────────────────────
> ─
            Conventional │   -2.882    1.5859    -1.8173   0.069     -5.99021    .22628
> 5
                  Robust │     -          -      -1.5298   0.126     -6.42258    .79173
> 5
─────────────────────────────────────────────────────────────────────────────
> ─

All structural estimates.
─────────────────────────────────────────────────────────────────────────────
> ─
                  Method │    Coef.    Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
─────────────────────────┼───────────────────────────────────────────────────
> ─
            Conventional │  -.00069    .00418    -0.1652   0.869     -.008881      .007
> 5
          Bias-corrected │  -.00218    .00418    -0.5208   0.603     -.010367    .00601
> 4
                  Robust │  -.00218    .00482    -0.4511   0.652     -.011632     .0072
> 8
─────────────────────────────────────────────────────────────────────────────
> ─

835 . ** Outcome: Polarization
836 . rdrobust pol_pi margins if year >= 2004 & national ==0, c(0) fuzzy(all_100) all
Preparing data.
Computing bandwidth selectors.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

            Cutoff c = 0 │ Left of c  Right of c            Number of obs =       1935
> 0
─────────────────────────┼──────────────────────            NN matches    =
> 3
           Number of obs │      1364        1947            BW type       =         CC
> T
 Order loc. poly. (p)    │         1           1            Kernel type   = Triangula
> r
          Order bias (q) │         2           2
       BW loc. poly. (h) │     6.047       6.047
             BW bias (b) │     9.107       9.107
               rho (h/b) │     0.664       0.664

Structural Estimates. Outcome: pol_pi. Running variable: margins. Instrument: all_100
> .
```

```
------------------------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
------------------------------------------------------------------------------
> -
        Conventional |   .03015    .02498    1.2072    0.227        -.0188    .07910
> 3
              Robust |      -         -      1.1675    0.243      -.023946    .09450
> 8
------------------------------------------------------------------------------
> -

First-Stage Estimates. Outcome: all_100. Running variable: margins.
------------------------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
------------------------------------------------------------------------------
> -
        Conventional |  -2.8852    1.5898    -1.8148   0.070      -6.00113    .23070
> 3
              Robust |      -         -      -1.3335   0.182      -6.31315    1.2007
> 7
------------------------------------------------------------------------------
> -

All structural estimates.
------------------------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
------------------------------------------------------------------------------
> -
        Conventional |   .03015    .02498    1.2072    0.227        -.0188    .07910
> 3
      Bias-corrected |   .03528    .02498    1.4126    0.158       -.01367    .08423
> 2
              Robust |   .03528    .03022    1.1675    0.243      -.023946    .09450
> 8
------------------------------------------------------------------------------
> -

837 . ** Outcome: Worker's Party (PT's) vote share
838 . rdrobust share_votes margins if year >= 2004 & national ==0, c(0) fuzzy(all_100) al
> l
Preparing data.
Computing bandwidth selectors.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.
```

```
        Cutoff c = 0 | Left of c  Right of c              Number of obs =       571
> 2
---------------------+----------------------              NN matches    =
> 3
       Number of obs |       317         378              BW type       =        CC
> T
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     5.197       5.197
          BW bias (b) |     8.103       8.103
            rho (h/b) |     0.641       0.641

Structural Estimates. Outcome: share_votes. Running variable: margins. Instrument: al
> l_100.
---------------------+------------------------------------------------------------------
> -
             Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
---------------------+------------------------------------------------------------------
> -
       Conventional |   .84062    1.0598    0.7932    0.428     -1.23662    2.9178
> 7
             Robust |      -         -      0.6602    0.509      -1.5947    3.2147
> 7
---------------------+------------------------------------------------------------------
> -

First-Stage Estimates. Outcome: all_100. Running variable: margins.
---------------------+------------------------------------------------------------------
> -
             Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
---------------------+------------------------------------------------------------------
> -
       Conventional |  -3.1636    2.5111   -1.2598   0.208     -8.08532    1.7581
> 8
             Robust |      -         -     -1.3464   0.178     -9.67043    1.7945
> 8
---------------------+------------------------------------------------------------------
> -

All structural estimates.
---------------------+------------------------------------------------------------------
> -
             Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
---------------------+------------------------------------------------------------------
> -
       Conventional |   .84062    1.0598    0.7932    0.428     -1.23662    2.9178
> 7
      Bias-corrected |   .81003    1.0598    0.7643    0.445     -1.26721    2.8872
> 8
             Robust |   .81003    1.2269    0.6602    0.509      -1.5947    3.2147
```

```
> 7
────────────────────┴────────────────────────────────────────────────────────────
> ─

839 .
    end of do-file

840 . do "/var/folders/1p/ktsylbts09n7c1cbjt351qpm0000gn/T//SD24459.000000"

841 . ****************
842 . *** Appendix I: First-stage and reduced form placebo estimates
843 . ****************
844 .
845 . * Table 10: The impact of evangelical churches on electoral politics - Placebo esti
    > mates using pre-intervention (LPT) data (1994- 2003)
846 .
847 . * To replicate estimates reported in Table 10 (Appendix), use the file "df_LPT_igre
    > jas_outcomes.dta"
848 .
849 . use "/Users/victoraraujosilva/Library/CloudStorage/GoogleDrive-victor.asaraujo@alum
    > ni.usp.br/My Drive/Igrejas_political outcomes/psrm_materials/df_LPT_igrejas_outcome
    > s.dta",clear

850 .
    end of do-file

851 . do "/var/folders/1p/ktsylbts09n7c1cbjt351qpm0000gn/T//SD24459.000000"

852 . ** Full sample (All)
853 . ** Outcome: Turnout
854 . rdrobust turnout margins if year < 2004, c(0) fuzzy(all_100) all
    Preparing data.
    Computing bandwidth selectors.
    Computing variance-covariance matrix.
    Computing RD estimates.
    Estimation completed.

    Sharp RD estimates using local polynomial regression.

            Cutoff c = 0 │ Left of c  Right of c              Number of obs =      2299
    > 8
    ─────────────────────┼─────────────────────              NN matches    =
    > 3
           Number of obs │      1617        2271              BW type       =        CC
    > T
     Order loc. poly. (p) │         1           1              Kernel type   = Triangula
    > r
          Order bias (q) │         2           2
        BW loc. poly. (h) │     6.063       6.063
              BW bias (b) │     8.980       8.980
                rho (h/b) │     0.675       0.675

    Structural Estimates. Outcome: turnout. Running variable: margins. Instrument: all_10
    > 0.
```

```
------------------------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
------------------------------------------------------------------------------
> -
        Conventional |  -.02382    .03558    -0.6696   0.503       -.09356    .04591
> 1
              Robust |      -         -      -0.7212   0.471      -.114047    .05269
> 2
------------------------------------------------------------------------------
> -

First-Stage Estimates. Outcome: all_100. Running variable: margins.
------------------------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
------------------------------------------------------------------------------
> -
        Conventional |  -.66437    .89476    -0.7425   0.458      -2.41807    1.0893
> 2
              Robust |      -         -      -0.4538   0.650      -2.58426    1.6126
> 2
------------------------------------------------------------------------------
> -

All structural estimates.
------------------------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
------------------------------------------------------------------------------
> -
        Conventional |  -.02382    .03558    -0.6696   0.503       -.09356    .04591
> 1
      Bias-corrected |  -.03068    .03558    -0.8622   0.389      -.100413    .03905
> 8
              Robust |  -.03068    .04254    -0.7212   0.471      -.114047    .05269
> 2
------------------------------------------------------------------------------
> -

855 . ** Outcome: Competition
856 . rdrobust comp margins if year < 2004, c(0) fuzzy(all_100) all
Preparing data.
Computing bandwidth selectors.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

        Cutoff c = 0 | Left of c  Right of c              Number of obs =      2299
```

```
> 8
---------------------+----------------------              NN matches    =
> 3
        Number of obs |      1367        1887              BW type       =        CC
> T
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     5.267       5.267
          BW bias (b) |     8.377       8.377
            rho (h/b) |     0.629       0.629

Structural Estimates. Outcome: comp. Running variable: margins. Instrument: all_100.
---------------------+------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
---------------------+------------------------------------------------------------
> -
        Conventional |   .00575    .02268    0.2536    0.800      -.038701    .05020
> 4
              Robust |      -         -      0.0442    0.965      -.050871    .05321
> 9
---------------------+------------------------------------------------------------
> -

First-Stage Estimates. Outcome: all_100. Running variable: margins.
---------------------+------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
---------------------+------------------------------------------------------------
> -
        Conventional |  -.72361    .95354    -0.7589   0.448      -2.59252     1.145
> 3
              Robust |      -         -      -0.6197   0.535      -2.85223    1.4818
> 1
---------------------+------------------------------------------------------------
> -

All structural estimates.
---------------------+------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
---------------------+------------------------------------------------------------
> -
        Conventional |   .00575    .02268    0.2536    0.800      -.038701    .05020
> 4
      Bias-corrected |   .00117    .02268    0.0518    0.959      -.043279    .04562
> 6
              Robust |   .00117    .02655    0.0442    0.965      -.050871    .05321
> 9
---------------------+------------------------------------------------------------
```

```
> —

857 . ** Outcome: Conservatism
858 . rdrobust ideo_imp margins if year < 2004, c(0) fuzzy(all_100) all
Preparing data.
Computing bandwidth selectors.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 | Left of c  Right of c              Number of obs =      2300
> 1
----------------------+----------------------              NN matches    =
> 3
        Number of obs |      1067        1458              BW type       =        CC
> T
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     4.153       4.153
          BW bias (b) |     6.955       6.955
            rho (h/b) |     0.597       0.597

Structural Estimates. Outcome: ideo_imp. Running variable: margins. Instrument: all_1
> 00.
----------------------+-------------------------------------------------------------
> —
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
----------------------+-------------------------------------------------------------
> —
        Conventional |   .00238    .02773    0.0860    0.932      -.051971    .05673
> 8
              Robust |      -         -      -0.1762   0.860      -.068484    .05718
> 6
----------------------+-------------------------------------------------------------
> —

First-Stage Estimates. Outcome: all_100. Running variable: margins.
----------------------+-------------------------------------------------------------
> —
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
----------------------+-------------------------------------------------------------
> —
        Conventional |  -.65363    1.0447    -0.6257   0.532      -2.70112    1.3938
> 7
              Robust |      -         -      -0.5507   0.582      -2.99545    1.6814
> 7
----------------------+-------------------------------------------------------------
> —
```

```
All structural estimates.
------------------------------------------------------------------------------
> -
               Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
------------------------------------------------------------------------------
> -
         Conventional |   .00238    .02773    0.0860    0.932      -.051971    .05673
> 8
       Bias-corrected |  -.00565    .02773    -0.2037   0.839      -.060004    .04870
> 6
               Robust |  -.00565    .03206    -0.1762   0.860      -.068484    .05718
> 6
------------------------------------------------------------------------------
> -

859 . ** Outcome: Polarization
860 . rdrobust pol_pi margins if year < 2004, c(0) fuzzy(all_100) all
Preparing data.
Computing bandwidth selectors.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 | Left of c  Right of c              Number of obs =      2300
> 1
----------------------+----------------------              NN matches    =
> 3
        Number of obs |      1662        2317              BW type       =        CC
> T
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     6.186       6.186
          BW bias (b) |     9.334       9.334
            rho (h/b) |     0.663       0.663

Structural Estimates. Outcome: pol_pi. Running variable: margins. Instrument: all_100
> .
------------------------------------------------------------------------------
> -
               Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
------------------------------------------------------------------------------
> -
         Conventional |   .35243    .50616    0.6963    0.486      -.639615    1.3444
> 8
               Robust |      -         -      0.7748    0.438      -.716464    1.6532
> 4
------------------------------------------------------------------------------
> -
```

First-Stage Estimates. Outcome: all_100. Running variable: margins.

```
> ─
               Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
         Conventional │  -.63418    .88666    -0.7152   0.474      -2.37201    1.1036
> 5
               Robust │      -          -     -0.4167   0.677      -2.51341     1.632
> 1
──────────────────────┴──────────────────────────────────────────────────────────────
> ─
```

All structural estimates.

```
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
               Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
         Conventional │   .35243    .50616    0.6963    0.486      -.639615    1.3444
> 8
       Bias-corrected │   .46839    .50616    0.9254    0.355      -.523658    1.4604
> 3
               Robust │   .46839    .60453    0.7748    0.438      -.716464    1.6532
> 4
──────────────────────┴──────────────────────────────────────────────────────────────
> ─
```

```
861 .
    end of do-file

862 . do "/var/folders/1p/ktsylbts09n7c1cbjt351qpm0000gn/T//SD24459.000000"

863 . ** National elections
864 . ** Outcome: Turnout
865 . rdrobust turnout margins if year < 2004 & national ==1, c(0)  fuzzy(all_100) all
```

Preparing data.
Computing bandwidth selectors.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

```
         Cutoff c = 0 │ Left of c  Right of c              Number of obs =      1412
> 1
─────────────────────┼──────────────────────              NN matches    =
> 3
        Number of obs │      1089        1553              BW type       =        CC
> T
 Order loc. poly. (p) │         1           1              Kernel type   = Triangula
> r
```

```
       Order bias (q) |         2           2
    BW loc. poly. (h) |     6.626       6.626
          BW bias (b) |     9.716       9.716
            rho (h/b) |     0.682       0.682

Structural Estimates. Outcome: turnout. Running variable: margins. Instrument: all_10
> 0.
--------------------+-------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
--------------------+-------------------------------------------------------------
> -
        Conventional |  -.01826       .03    -0.6087   0.543      -.077056    .04053
> 7
              Robust |      -         -      -0.5618   0.574       -.09119    .05055
> 8
--------------------+-------------------------------------------------------------
> -

First-Stage Estimates. Outcome: all_100. Running variable: margins.
--------------------+-------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
--------------------+-------------------------------------------------------------
> -
        Conventional |  -.76962    1.0929    -0.7042   0.481      -2.91174    1.3724
> 9
              Robust |      -         -      -0.4709   0.638      -3.21374    1.9687
> 3
--------------------+-------------------------------------------------------------
> -

All structural estimates.
--------------------+-------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
--------------------+-------------------------------------------------------------
> -
        Conventional |  -.01826       .03    -0.6087   0.543      -.077056    .04053
> 7
      Bias-corrected |  -.02032       .03    -0.6772   0.498      -.079113     .0384
> 8
              Robust |  -.02032    .03616    -0.5618   0.574       -.09119    .05055
> 8
--------------------+-------------------------------------------------------------
> -

866 . ** Outcome: Competition
867 . rdrobust comp margins if year < 2004 & national ==1, c(0) fuzzy(all_100) all
    Preparing data.
    Computing bandwidth selectors.
```

```
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 | Left of c  Right of c              Number of obs =      1412
> 1
----------------------+----------------------              NN matches    =
> 3
        Number of obs |      1114        1633              BW type       =        CC
> T
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     6.910       6.910
          BW bias (b) |    10.624      10.624
            rho (h/b) |     0.650       0.650

Structural Estimates. Outcome: comp. Running variable: margins. Instrument: all_100.
----------------------+-------------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
----------------------+-------------------------------------------------------------------
> -
        Conventional |  -.01329    .02895    -0.4589   0.646      -.070031     .0434
> 6
              Robust |      -          -      -0.5472   0.584      -.086362    .04866
> 6
----------------------+-------------------------------------------------------------------
> -

First-Stage Estimates. Outcome: all_100. Running variable: margins.
----------------------+-------------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
----------------------+-------------------------------------------------------------------
> -
        Conventional |  -.7767    1.0725    -0.7242   0.469      -2.87884    1.3254
> 4
              Robust |      -          -      -0.5440   0.586      -3.20023    1.8096
> 9
----------------------+-------------------------------------------------------------------
> -

All structural estimates.
----------------------+-------------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
----------------------+-------------------------------------------------------------------
> -
```

```
          Conventional |  -.01329    .02895    -0.4589   0.646      -.070031     .0434
> 6
        Bias-corrected |  -.01885    .02895    -0.6510   0.515      -.075594    .03789
> 8
                Robust |  -.01885    .03445    -0.5472   0.584      -.086362    .04866
> 6
----------------------+--------------------------------------------------------------
> -

868 . ** Outcome: Conservatism
869 . rdrobust ideo_imp margins if year < 2004 & national ==1, c(0) fuzzy(all_100) all
Preparing data.
Computing bandwidth selectors.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

          Cutoff c = 0 | Left of c  Right of c              Number of obs =      1412
> 1
----------------------+----------------------              NN matches    =
> 3
        Number of obs |       684         938              BW type       =        CC
> T
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     4.335       4.335
          BW bias (b) |     7.812       7.812
            rho (h/b) |     0.555       0.555

Structural Estimates. Outcome: ideo_imp. Running variable: margins. Instrument: all_1
> 00.
----------------------+--------------------------------------------------------------
> -
                Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
----------------------+--------------------------------------------------------------
> -
          Conventional |  -.00095    .02561    -0.0372   0.970      -.051155    .04925
> 2
                Robust |      -          -     -0.3525   0.724      -.067035      .046
> 6
----------------------+--------------------------------------------------------------
> -

First-Stage Estimates. Outcome: all_100. Running variable: margins.
----------------------+--------------------------------------------------------------
> -
                Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
----------------------+--------------------------------------------------------------
> -
```

```
         Conventional |  -.85763    1.3183    -0.6506   0.515      -3.44141    1.7261
> 5
               Robust |      -         -      -0.5736   0.566       -3.7445    2.0490
> 3
--------------------- |--------------------------------------------------------------
> —

All structural estimates.
--------------------- |--------------------------------------------------------------
> —
                Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
--------------------- |--------------------------------------------------------------
> —
         Conventional |  -.00095    .02561    -0.0372   0.970      -.051155    .04925
> 2
       Bias-corrected |  -.01022    .02561    -0.3989   0.690      -.060421    .03998
> 6
               Robust |  -.01022    .02899    -0.3525   0.724      -.067035      .046
> 6
--------------------- |--------------------------------------------------------------
> —

870 . ** Outcome: Polarization
871 . rdrobust pol_pi margins if year < 2004 & national ==1, c(0) fuzzy(all_100) all
Preparing data.
Computing bandwidth selectors.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 | Left of c  Right of c              Number of obs =      1412
> 1
---------------------- |------------------------              NN matches    =
> 3
        Number of obs |      1057        1476              BW type       =        CC
> T
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     6.342       6.342
          BW bias (b) |     9.461       9.461
            rho (h/b) |     0.670       0.670

Structural Estimates. Outcome: pol_pi. Running variable: margins. Instrument: all_100
> .
--------------------- |--------------------------------------------------------------
> —
                Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
--------------------- |--------------------------------------------------------------
> —
```

```
          Conventional |   .37876    .56512    0.6702    0.503       -.72885    1.4863
> 8
                Robust |      -         -      0.6858    0.493      -.864472    1.7949
> 9
-----------------------+------------------------------------------------------------
> -

First-Stage Estimates. Outcome: all_100. Running variable: margins.
-----------------------+------------------------------------------------------------
> -
                Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
-----------------------+------------------------------------------------------------
> -
          Conventional |  -.77869    1.1155    -0.6981   0.485      -2.96497    1.4075
> 8
                Robust |      -         -      -0.4460   0.656      -3.22036    2.0263
> 6
-----------------------+------------------------------------------------------------
> -

All structural estimates.
-----------------------+------------------------------------------------------------
> -
                Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
-----------------------+------------------------------------------------------------
> -
          Conventional |   .37876    .56512    0.6702    0.503       -.72885    1.4863
> 8
        Bias-corrected |   .46526    .56512    0.8233    0.410      -.642352    1.5728
> 7
                Robust |   .46526    .67845    0.6858    0.493      -.864472    1.7949
> 9
-----------------------+------------------------------------------------------------
> -

872 .
    end of do-file

873 . do "/var/folders/1p/ktsylbts09n7c1cbjt351qpm0000gn/T//SD24459.000000"

874 . ** Local elections
875 . ** Outcome: Turnout
876 . rdrobust turnout margins if year < 2004 & national ==0, c(0)  fuzzy(all_100) all
    Preparing data.
    Computing bandwidth selectors.
    Computing variance-covariance matrix.
    Computing RD estimates.
    Estimation completed.

    Sharp RD estimates using local polynomial regression.

          Cutoff c = 0 | Left of c  Right of c              Number of obs =       887
```

```
> 7
---------------------+----------------------              NN matches    =
> 3
        Number of obs |       688        1041              BW type       =        CC
> T
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     7.044       7.044
          BW bias (b) |    10.426      10.426
            rho (h/b) |     0.676       0.676

Structural Estimates. Outcome: turnout. Running variable: margins. Instrument: all_10
> 0.
---------------------+------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
---------------------+------------------------------------------------------------
> -
        Conventional |  -.04762    .17117    -0.2782   0.781      -.383116    .28787
> 4
              Robust |      -         -      -0.3067   0.759      -.468125    .34143
> 9
---------------------+------------------------------------------------------------
> -

First-Stage Estimates. Outcome: all_100. Running variable: margins.
---------------------+------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
---------------------+------------------------------------------------------------
> -
        Conventional |   -.3745    1.2917    -0.2899   0.772      -2.90612    2.1571
> 2
              Robust |      -         -      -0.1747   0.861      -3.33004    2.7850
> 9
---------------------+------------------------------------------------------------
> -

All structural estimates.
---------------------+------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
---------------------+------------------------------------------------------------
> -
        Conventional |  -.04762    .17117    -0.2782   0.781      -.383116    .28787
> 4
      Bias-corrected |  -.06334    .17117    -0.3700   0.711      -.398838    .27215
> 2
              Robust |  -.06334    .20653    -0.3067   0.759      -.468125    .34143
> 9
```

```
                    |
> —

877 . ** Outcome: Competition
878 . rdrobust comp margins if year < 2004 & national ==0, c(0) fuzzy(all_100) all
Preparing data.
Computing bandwidth selectors.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 | Left of c  Right of c              Number of obs =       887
> 7
---------------------+-----------------------              NN matches    =
> 3
        Number of obs |       470         673              BW type       =        CC
> T
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     4.885       4.885
          BW bias (b) |     7.355       7.355
            rho (h/b) |     0.664       0.664

Structural Estimates. Outcome: comp. Running variable: margins. Instrument: all_100.
---------------------+-----------------------------------------------------------
> —
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
---------------------+-----------------------------------------------------------
> —
         Conventional |   .05289    .13351    0.3962    0.692      -.208778    .31456
> 2
              Robust |      -         -      0.3381    0.735      -.254144    .36010
> 5
---------------------+-----------------------------------------------------------
> —

First-Stage Estimates. Outcome: all_100. Running variable: margins.
---------------------+-----------------------------------------------------------
> —
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
---------------------+-----------------------------------------------------------
> —
         Conventional |  -.60459    1.5026    -0.4024   0.687      -3.54967     2.340
> 5
              Robust |      -         -      -0.3560   0.722      -4.07337    2.8211
> 2
---------------------+-----------------------------------------------------------
> —
```

All structural estimates.

Method	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
Conventional	.05289	.13351	0.3962	0.692	-.208778	.31456
Bias-corrected	.05298	.13351	0.3968	0.691	-.208689	.31465
Robust	.05298	.1567	0.3381	0.735	-.254144	.36010

879 . ** Outcome: Conservatism
880 . rdrobust ideo_imp margins if year < 2004 & national ==0, c(0) fuzzy(all_100) all

Preparing data.
Computing bandwidth selectors.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

	Left of **c**	Right of **c**		
Cutoff c = 0			Number of obs =	888
			NN matches =	
Number of obs	474	677	BW type =	CC
Order loc. poly. (p)	1	1	Kernel type =	Triangula
Order bias (q)	2	2		
BW loc. poly. (h)	4.949	4.949		
BW bias (b)	7.929	7.929		
rho (h/b)	0.624	0.624		

Structural Estimates. Outcome: ideo_imp. Running variable: margins. Instrument: all_100.

Method	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
Conventional	.01786	.06452	0.2768	0.782	-.108598	.14431
Robust	-	-	0.0965	0.923	-.139643	.15410

First-Stage Estimates. Outcome: all_100. Running variable: margins.

Method	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
Conventional	-.58887	1.4959	-0.3936	0.694	-3.52086	2.3431
Robust	-	-	-0.3474	0.728	-3.97738	2.7798

All structural estimates.

Method	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
Conventional	.01786	.06452	0.2768	0.782	-.108598	.14431
Bias-corrected	.00723	.06452	0.1121	0.911	-.119227	.1336
Robust	.00723	.07494	0.0965	0.923	-.139643	.15410

```
881 . ** Outcome: Polarization
882 . rdrobust pol_pi margins if year < 2004 & national ==0, c(0) fuzzy(all_100) all
```

Preparing data.
Computing bandwidth selectors.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

Cutoff c = 0	Left of **c**	Right of **c**		
Number of obs	717	1173	BW type	**CC**
Order loc. poly. (p)	1	1	Kernel type	**Triangula**
Order bias (q)	2	2		
BW loc. poly. (h)	7.529	7.529		
BW bias (b)	11.220	11.220		
rho (h/b)	0.671	0.671		

Number of obs = **888**
NN matches =

Structural Estimates. Outcome: pol_pi. Running variable: margins. Instrument: all_100

```
> .
```

Method	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
Conventional	.15813	.54353	0.2909	0.771	-.907173	1.2234
Robust	-	-	0.2759	0.783	-1.10421	1.4660

First-Stage Estimates. Outcome: all_100. Running variable: margins.

Method	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
Conventional	-.38512	1.2524	-0.3075	0.758	-2.83969	2.0694
Robust	-	-	-0.1752	0.861	-3.22171	2.6930

All structural estimates.

Method	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
Conventional	.15813	.54353	0.2909	0.771	-.907173	1.2234
Bias-corrected	.18094	.54353	0.3329	0.739	-.884369	1.2462
Robust	.18094	.6557	0.2759	0.783	-1.10421	1.4660

```
883 .
    end of do-file

884 . do "/var/folders/1p/ktsylbts09n7c1cbjt351qpm0000gn/T//SD24459.000000"

885 . ****************
886 . *** Appendix J: The impact of the LPT and the expansion of the Evangelical Christia
    > nity
887 . ****************
888 .
```

```
889 .  * Table 11: The impact of the LPT on the estimated share of Christian evangelicals
890 .
891 .  * To replicate estimates reported in Table 11 (Appendix), please use the following
    >  dataset: df_LPT_share_evangs.dta
892 .
893 . use "/Users/victoraraujosilva/Library/CloudStorage/GoogleDrive-victor.asaraujo@alum
    > ni.usp.br/My Drive/Igrejas_political outcomes/psrm_materials/df_LPT_share_evangs.dt
    > a", clear
    (Written by R.              )

894 .
895 . *** creating the log of the size of population
896 . gen ln_pop = ln(pop)

897 . ** creating the log of the size of electorate
898 . gen ln_elec = ln(qtde_eleitores)

899 . ** creating a dummy variable that identifies whether a given municipality if locate
    > d at the Northeast region in Brazil
900 . gen ne=.
    (54,403 missing values generated)

901 . replace ne = 1 if cod_uf == 21
    (1,940 real changes made)

902 . replace ne = 1 if cod_uf == 22
    (2,199 real changes made)

903 . replace ne = 1 if cod_uf == 23
    (1,830 real changes made)

904 . replace ne = 1 if cod_uf == 24
    (1,651 real changes made)

905 . replace ne = 1 if cod_uf == 25
    (2,207 real changes made)

906 . replace ne = 1 if cod_uf == 26
    (1,841 real changes made)

907 . replace ne = 1 if cod_uf == 27
    (1,009 real changes made)

908 . replace ne = 1 if cod_uf == 28
    (672 real changes made)

909 . replace ne = 1 if cod_uf == 29
    (4,150 real changes made)

910 . replace ne = 0 if ne ==.
    (36,904 real changes made)

911 .
    end of do-file
```

```
912 . do "/var/folders/1p/ktsylbts09n7c1cbjt351qpm0000gn/T//SD24459.000000"

913 . *** creating the log of LPT connections per 100,000 inhabitants
914 . gen ln_lptconnections100 = ln(conec_100)
    (32,918 missing values generated)

915 .
916 . ** Municipal-level fixed effects
917 . xtset ibge7

    Panel variable: ibge7 (unbalanced)

918 . xtreg share_evang ln_lptconnections100 ln_pop IDHM ne if year > 2004, cluster (ibge
    > 7)

    Random-effects GLS regression                   Number of obs     =     18,316
    Group variable: ibge7                           Number of groups  =      5,304

    R-squared:                                      Obs per group:
         Within  = 0.3643                                         min =          1
         Between = 0.1087                                         avg =        3.5
         Overall = 0.1706                                         max =          7

                                                    Wald chi2(4)      =    3349.34
    corr(u_i, X) = 0 (assumed)                      Prob > chi2       =     0.0000

                                      (Std. err. adjusted for 5,304 clusters in ibge7
    > )
    ------------------------------------------------------------------------------------
    > -
                         |               Robust
             share_evang | Coefficient  std. err.      z    P>|z|     [95% conf. interval
    > ]
    ------------------------------------------------------------------------------------
    > -
    ln_lptconnections100 |   .0780429   .0322052     2.42   0.015     .0149219    .141163
    > 9
                  ln_pop |    1.36719   .1373818     9.95   0.000     1.097927    1.63645
    > 3
                    IDHM |   55.29562   1.392358    39.71   0.000     52.56665    58.0245
    > 9
                      ne |  -2.363216   .2980893    -7.93   0.000     -2.94746   -1.77897
    > 2
                   _cons |  -30.28644   1.657936   -18.27   0.000    -33.53594   -27.0369
    > 5
    ------------------------------------------------------------------------------------
    > -
                 sigma_u |  9.0237385
                 sigma_e |  4.3264708
                     rho |  .81308978   (fraction of variance due to u_i)
    ------------------------------------------------------------------------------------
    > -
```

```
919 . ** Intention to treat (ITT)
920 . reg share_evang treat ln_pop IDHM ne if year > 2004, cluster (ibge7)

Linear regression                               Number of obs     =     38,375
                                                F(4, 5505)        =     669.15
                                                Prob > F          =     0.0000
                                                R-squared         =     0.1857
                                                Root MSE          =     11.091

                                (Std. err. adjusted for 5,506 clusters in ibge7)
------------------------------------------------------------------------------
             |               Robust
  share_evang|  Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
       treat |   1.914159   .313604     6.10   0.000     1.299371    2.528947
      ln_pop |   2.056746    .12291    16.73   0.000     1.815794    2.297699
        IDHM |   38.10218   1.353932    28.14   0.000     35.44794    40.75642
          ne |  -5.228482   .3201817   -16.33   0.000    -5.856165   -4.600799
       _cons |  -23.82747   1.262906   -18.87   0.000    -26.30326   -21.35167
------------------------------------------------------------------------------

921 . ** SRD
922 . gen srd = margins*treat
(5 missing values generated)

923 . ** BW (+-15% from the LPT cutoff)
924 . reg share_evang treat margins srd ln_pop IDHM ne if light_00 > 70 & light_00 < 100
> & year > 2004, robust

Linear regression                               Number of obs     =     30,510
                                                F(6, 30503)       =    1276.83
                                                Prob > F          =     0.0000
                                                R-squared         =     0.1739
                                                Root MSE          =      11.04

------------------------------------------------------------------------------
             |               Robust
  share_evang|  Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
       treat |    .175931   .3293749     0.53   0.593    -.4696574    .8215195
     margins |  -.1194845   .0192258    -6.21   0.000     -.157168   -.081801
         srd |    .131774    .039901     3.30   0.001     .0535663    .2099816
      ln_pop |   1.942761   .0597894    32.49   0.000     1.825571     2.05995
        IDHM |    45.0696   1.086349    41.49   0.000     42.94031    47.19889
          ne |  -3.457998   .1858192   -18.61   0.000    -3.822212   -3.093785
       _cons |  -26.76709   .7461429   -35.87   0.000    -28.22956   -25.30462
------------------------------------------------------------------------------

925 . ** BW (+-10% from the LPT cutoff)
926 . reg share_evang treat margins srd ln_pop IDHM ne if light_00 > 75 & light_00 < 95 &
>  year > 2004, robust

Linear regression                               Number of obs     =     12,121
                                                F(6, 12114)       =     472.01
```

```
                                                Prob > F          =     0.0000
                                                R-squared         =     0.1817
                                                Root MSE          =     10.586

------------------------------------------------------------------------------
             |               Robust
share_evang |  Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
       treat |   1.998047   .4064677     4.92   0.000     1.201305    2.794788
     margins |   .0675076    .041704     1.62   0.106    -.0142388     .149254
         srd |    .100015   .0714313     1.40   0.161    -.0400018    .2400318
      ln_pop |   1.948519   .1141792    17.07   0.000     1.724709    2.172329
        IDHM |   47.27589   1.510637    31.30   0.000      44.3148    50.23698
          ne |  -4.38986   .2348889   -18.69   0.000    -4.85028    -3.92944
       _cons |  -29.03087   1.307442   -22.20   0.000    -31.59366   -26.46808
------------------------------------------------------------------------------

927 . ** BW (+-7% from the LPT cutoff)
928 . reg share_evang treat margins srd ln_pop IDHM ne if light_00 > 78 & light_00 < 92 &
>  year > 2004, robust

Linear regression                               Number of obs     =      7,911
                                                F(6, 7904)        =     281.74
                                                Prob > F          =     0.0000
                                                R-squared         =     0.1783
                                                Root MSE          =     10.535

------------------------------------------------------------------------------
             |               Robust
share_evang |  Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
       treat |   2.094228   .4883416     4.29   0.000      1.13695    3.051507
     margins |   .1321056   .0826392     1.60   0.110    -.0298891    .2941003
         srd |   .0382683   .1198031     0.32   0.749    -.1965773    .2731139
      ln_pop |   1.971589   .1455571    13.55   0.000     1.686259     2.25692
        IDHM |   46.24593   1.844924    25.07   0.000     42.62939    49.86246
          ne |  -4.492425   .2833122   -15.86   0.000    -5.047791   -3.937058
       _cons |   -28.6806   1.657017   -17.31   0.000    -31.92879   -25.43241
------------------------------------------------------------------------------

929 . ** BW (+-3% from the LPT cutoff)
930 . reg share_evang treat margins srd ln_pop IDHM ne if light_00 > 82 & light_00 < 88 &
>  year > 2004, robust

Linear regression                               Number of obs     =      3,118
                                                F(6, 3111)        =     123.02
                                                Prob > F          =     0.0000
                                                R-squared         =     0.1957
                                                Root MSE          =     10.348

------------------------------------------------------------------------------
             |               Robust
share_evang |  Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
```

treat	-.1147992	.7602724	-0.15	0.880	-1.605486	1.375887
margins	-.8320617	.2912676	-2.86	0.004	-1.403158	-.2609655
srd	.6464953	.4486048	1.44	0.150	-.2330962	1.526087
ln_pop	2.082986	.2295195	9.08	0.000	1.632961	2.533011
IDHM	44.61905	2.772347	16.09	0.000	39.18323	50.05486
ne	-5.31506	.4238748	-12.54	0.000	-6.146162	-4.483957
_cons	-26.92837	2.564941	-10.50	0.000	-31.95752	-21.89922

```
931 . ** BW (+-2% from the LPT cutoff)
932 . reg share_evang treat margins srd ln_pop IDHM ne if light_00 > 83 & light_00 < 87 &
>  year > 2004, robust

Linear regression                               Number of obs     =      2,013
                                                F(6, 2006)        =      90.35
                                                Prob > F          =     0.0000
                                                R-squared         =     0.2103
                                                Root MSE          =     10.157
```

share_evang	Coefficient	Robust std. err.	t	P>|t|	[95% conf.	interval]
treat	-1.047271	.9515489	-1.10	0.271	-2.913398	.8188566
margins	-2.383861	.5574712	-4.28	0.000	-3.477144	-1.290578
srd	2.643917	.821426	3.22	0.001	1.032979	4.254854
ln_pop	2.271127	.2956422	7.68	0.000	1.691329	2.850925
IDHM	45.71078	3.150895	14.51	0.000	39.53141	51.89015
ne	-5.271921	.5201991	-10.13	0.000	-6.292108	-4.251734
_cons	-28.18236	3.032348	-9.29	0.000	-34.12925	-22.23548

```
933 . ** BW (+-1% from the LPT cutoff)
934 . reg share_evang treat margins srd ln_pop IDHM ne if light_00 > 84 & light_00 < 86 &
>  year > 2004, robust

Linear regression                               Number of obs     =      1,021
                                                F(6, 1014)        =      47.18
                                                Prob > F          =     0.0000
                                                R-squared         =     0.2351
                                                Root MSE          =     10.114
```

share_evang	Coefficient	Robust std. err.	t	P>|t|	[95% conf.	interval]
treat	-.6584723	1.477802	-0.45	0.656	-3.558373	2.241428
margins	-7.06495	1.821949	-3.88	0.000	-10.64017	-3.489729
srd	11.67684	2.383595	4.90	0.000	6.999496	16.35418
ln_pop	1.685437	.4378172	3.85	0.000	.8263053	2.544568
IDHM	50.14705	4.437212	11.30	0.000	41.43989	58.85422
ne	-5.650987	.7528747	-7.51	0.000	-7.128358	-4.173616
_cons	-23.72357	4.376654	-5.42	0.000	-32.31191	-15.13524

```
935 .
    end of do-file

936 . do "/var/folders/1p/ktsylbts09n7c1cbjt351qpm0000gn/T//SD24459.000000"

937 . ****************
938 . *** Appendix K: First-stage and reduced form estimates using the estimated share of
    >  Christian
939 . ****************
940 .
941 . ** Table 12: The impact of evangelical churches on electoral politics (2004-2018)
942 .
943 . * To replicate estimates reported in Table 12 (Appendix), please use the following
    > dataset: df_LPT_share_evangs.dta
944 .
945 . use "/Users/victoraraujosilva/Library/CloudStorage/GoogleDrive-victor.asaraujo@alum
    > ni.usp.br/My Drive/Igrejas_political outcomes/psrm_materials/df_LPT_share_evangs.dt
    > a", clear
    (Written by R.              )

946 .
    end of do-file

947 . do "/var/folders/1p/ktsylbts09n7c1cbjt351qpm0000gn/T//SD24459.000000"

948 . ***** Full sample (All)
949 . ** Outcome: Turnout
950 . rdrobust turnout margins if year >= 2004, c(0) fuzzy(share_evang) all
    Preparing data.
    Computing bandwidth selectors.
    Computing variance-covariance matrix.
    Computing RD estimates.
    Estimation completed.

    Sharp RD estimates using local polynomial regression.

             Cutoff c = 0 | Left of c  Right of c              Number of obs =      4379
    > 1
    ---------------------+------------------------              NN matches    =
    > 3
           Number of obs |      2398        3238              BW type       =        CC
    > T
     Order loc. poly. (p) |         1           1              Kernel type   = Triangula
    > r
           Order bias (q) |         2           2
        BW loc. poly. (h) |     4.538       4.538
              BW bias (b) |     8.250       8.250
                rho (h/b) |     0.550       0.550

    Structural Estimates. Outcome: turnout. Running variable: margins. Instrument: share_
    > evang.
    ---------------------+------------------------------------------------------------
                         |
    > -
```

```
              Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
---------------------+--------------------------------------------------------------
> —
       Conventional |  -.01322    .00933    -1.4172   0.156      -.031497    .00506
> 2
             Robust |      -         -      -1.6026   0.109       -.03779     .0037
> 9
---------------------+--------------------------------------------------------------
> —

First-Stage Estimates. Outcome: share_evang. Running variable: margins.
---------------------+--------------------------------------------------------------
> —
              Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
---------------------+--------------------------------------------------------------
> —
       Conventional |   -1.112    .76839    -1.4472   0.148      -2.61799    .39402
> 5
             Robust |      -         -      -1.0505   0.293      -2.63177    .79504
> 4
---------------------+--------------------------------------------------------------
> —

All structural estimates.
---------------------+--------------------------------------------------------------
> —
              Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
---------------------+--------------------------------------------------------------
> —
       Conventional |  -.01322    .00933    -1.4172   0.156      -.031497    .00506
> 2
     Bias-corrected |    -.017    .00933    -1.8228   0.068      -.035279    .00127
> 9
             Robust |    -.017    .01061    -1.6026   0.109       -.03779     .0037
> 9
---------------------+--------------------------------------------------------------
> —

951 . ** Outcome: Competition
952 . rdrobust comp margins if year >= 2004, c(0) fuzzy(share_evang) all
Preparing data.
Computing bandwidth selectors.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

        Cutoff c = 0 | Left of c  Right of c              Number of obs =      4379
> 0
---------------------+----------------------              NN matches    =
```

```
> 3
        Number of obs │      2493        3390               BW type       =        CC
> T
  Order loc. poly. (p) │         1           1               Kernel type   = Triangula
> r
       Order bias (q) │         2           2
    BW loc. poly. (h) │     4.777       4.777
          BW bias (b) │     7.179       7.179
            rho (h/b) │     0.665       0.665

Structural Estimates. Outcome: comp. Running variable: margins. Instrument: share_eva
> ng.
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
              Method  │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
        Conventional  │   .00635    .00913    0.6957    0.487      -.01154     .0242
> 4
              Robust  │      -         -      0.8399    0.401     -.012293    .03072
> 8
──────────────────────┴──────────────────────────────────────────────────────────────
> ─

First-Stage Estimates. Outcome: share_evang. Running variable: margins.
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
              Method  │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
        Conventional  │  -1.0833    .74721    -1.4498   0.147      -2.54784    .38116
> 4
              Robust  │      -         -      -0.7844   0.433      -2.48558    1.0647
> 5
──────────────────────┴──────────────────────────────────────────────────────────────
> ─

All structural estimates.
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
              Method  │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
        Conventional  │   .00635    .00913    0.6957    0.487      -.01154     .0242
> 4
      Bias-corrected  │   .00922    .00913    1.0099    0.313      -.008672    .02710
> 8
              Robust  │   .00922    .01097    0.8399    0.401      -.012293    .03072
> 8
──────────────────────┴──────────────────────────────────────────────────────────────
> ─
```

```
953 . ** Outcome: Conservatism
954 . rdrobust ideo_imp margins if year >= 2004, c(0) fuzzy(share_evang) all
    Preparing data.
    Computing bandwidth selectors.
    Computing variance-covariance matrix.
    Computing RD estimates.
    Estimation completed.

    Sharp RD estimates using local polynomial regression.

             Cutoff c = 0 | Left of c  Right of c              Number of obs =      4379
> 3
-------------------------+----------------------              NN matches    =
> 3
            Number of obs |      2231        2958              BW type       =        CC
> T
     Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
           Order bias (q) |         2           2
        BW loc. poly. (h) |     4.219       4.219
              BW bias (b) |     7.999       7.999
                rho (h/b) |     0.528       0.528

    Structural Estimates. Outcome: ideo_imp. Running variable: margins. Instrument: share
> _evang.
-------------------------+--------------------------------------------------------------
> -
                  Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
-------------------------+--------------------------------------------------------------
> -
            Conventional |  -.01696    .01557    -1.0893   0.276      -.047476    .01355
> 7
                  Robust |      -         -      -1.3247   0.185      -.057341    .01108
> 9
-------------------------+--------------------------------------------------------------
> -

    First-Stage Estimates. Outcome: share_evang. Running variable: margins.
-------------------------+--------------------------------------------------------------
> -
                  Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
-------------------------+--------------------------------------------------------------
> -
            Conventional |  -1.1214    .80011    -1.4016   0.161      -2.68962    .44673
> 7
                  Robust |      -         -      -1.0471   0.295      -2.70446    .82099
> 6
-------------------------+--------------------------------------------------------------
> -

    All structural estimates.
```

```
────────────────────────┬──────────────────────────────────────────────────────────────────
> ─
                 Method │     Coef.    Std. Err.      z      P>|z|      [95% Conf. Interval
> ]
────────────────────────┼──────────────────────────────────────────────────────────────────
> ─
           Conventional │  -.01696     .01557    -1.0893   0.276      -.047476     .01355
> 7
         Bias-corrected │  -.02313     .01557    -1.4853   0.137      -.053642      .0073
> 9
                 Robust │  -.02313     .01746    -1.3247   0.185      -.057341     .01108
> 9
────────────────────────┴──────────────────────────────────────────────────────────────────
> ─

955 . ** Outcome: Polarization
956 . rdrobust pol_pi margins if year >= 2004, c(0) fuzzy(share_evang) all
    Preparing data.
    Computing bandwidth selectors.
    Computing variance-covariance matrix.
    Computing RD estimates.
    Estimation completed.

    Sharp RD estimates using local polynomial regression.

           Cutoff c = 0 │ Left of c  Right of c               Number of obs =       4379
> 3
────────────────────────┼──────────────────────               NN matches    =
> 3
          Number of obs │      3346        4710               BW type       =         CC
> T
  Order loc. poly. (p) │         1           1               Kernel type   = Triangula
> r
         Order bias (q) │         2           2
     BW loc. poly. (h) │     6.244       6.244
           BW bias (b) │     9.437       9.437
            rho (h/b) │     0.662       0.662

    Structural Estimates. Outcome: pol_pi. Running variable: margins. Instrument: share_e
> vang.
────────────────────────┬──────────────────────────────────────────────────────────────────
> ─
                 Method │     Coef.    Std. Err.      z      P>|z|      [95% Conf. Interval
> ]
────────────────────────┼──────────────────────────────────────────────────────────────────
> ─
           Conventional │   .02012     .03338     0.6029   0.547      -.045302     .08555
> 1
                 Robust │       -          -      0.5238   0.600      -.057884     .10011
> 1
────────────────────────┴──────────────────────────────────────────────────────────────────
> ─

    First-Stage Estimates. Outcome: share_evang. Running variable: margins.
```

```
──────────────────────┬──────────────────────────────────────────────────────
> ─
              Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
──────────────────────┼──────────────────────────────────────────────────────
> ─
        Conventional │  -1.3057     .6404    -2.0389   0.041      -2.56086   -.05054
> 5
              Robust │     -          -      -1.3035   0.192      -2.53397    .50971
> 3
──────────────────────┴──────────────────────────────────────────────────────
> ─

All structural estimates.
──────────────────────┬──────────────────────────────────────────────────────
> ─
              Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
──────────────────────┼──────────────────────────────────────────────────────
> ─
        Conventional │   .02012    .03338    0.6029   0.547      -.045302    .08555
> 1
      Bias-corrected │   .02111    .03338    0.6325   0.527      -.044313     .0865
> 4
              Robust │   .02111    .04031    0.5238   0.600      -.057884    .10011
> 1
──────────────────────┴──────────────────────────────────────────────────────
> ─

957 .
    end of do-file

958 . do "/var/folders/1p/ktsylbts09n7c1cbjt351qpm0000gn/T//SD24459.000000"

959 . ***** National elections
960 . ** Outcome: Turnout
961 . rdrobust turnout margins if year >= 2004 & national ==1, c(0) fuzzy(share_evang) al
    > l
    Preparing data.
    Computing bandwidth selectors.
    Computing variance-covariance matrix.
    Computing RD estimates.
    Estimation completed.

    Sharp RD estimates using local polynomial regression.

        Cutoff c = 0 │ Left of c  Right of c            Number of obs =      2191
    > 7
──────────────────────┼────────────────────────            NN matches    =
    > 3
       Number of obs │      1607        2272            BW type       =        CC
    > T
 Order loc. poly. (p) │         1           1            Kernel type   = Triangula
    > r
```

```
       Order bias (q) |         2           2
    BW loc. poly. (h) |     5.992       5.992
          BW bias (b) |     9.486       9.486
            rho (h/b) |     0.632       0.632

Structural Estimates. Outcome: turnout. Running variable: margins. Instrument: share_
> evang.
---------------------+------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
---------------------+------------------------------------------------------------
> -
        Conventional |  -.00752    .00627    -1.2002   0.230      -.019798     .0047
> 6
              Robust |      -         -      -1.3596   0.174      -.024764    .00447
> 8
---------------------+------------------------------------------------------------
> -

First-Stage Estimates. Outcome: share_evang. Running variable: margins.
---------------------+------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
---------------------+------------------------------------------------------------
> -
        Conventional |  -1.2966    .96679    -1.3411   0.180      -3.19144    .59828
> 7
              Robust |      -         -      -0.8576   0.391      -3.24533    1.2696
> 5
---------------------+------------------------------------------------------------
> -

All structural estimates.
---------------------+------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
---------------------+------------------------------------------------------------
> -
        Conventional |  -.00752    .00627    -1.2002   0.230      -.019798     .0047
> 6
      Bias-corrected |  -.01014    .00627    -1.6190   0.105      -.022422    .00213
> 6
              Robust |  -.01014    .00746    -1.3596   0.174      -.024764    .00447
> 8
---------------------+------------------------------------------------------------
> -

962 . ** Outcome: Competition
963 . rdrobust comp margins if year >= 2004 & national ==1, c(0) fuzzy(share_evang) all
    Preparing data.
    Computing bandwidth selectors.
```

```
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 | Left of c  Right of c             Number of obs =      2191
> 7
----------------------+----------------------             NN matches    =
> 3
        Number of obs |      1431        1985             BW type       =        CC
> T
 Order loc. poly. (p) |         1           1             Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     5.436       5.436
          BW bias (b) |     8.051       8.051
            rho (h/b) |     0.675       0.675

Structural Estimates. Outcome: comp. Running variable: margins. Instrument: share_eva
> ng.
----------------------+-------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
----------------------+-------------------------------------------------------------
> -
        Conventional |   .00025    .00967    0.0255    0.980      -.018703    .01919
> 6
              Robust |       -          -     0.0148    0.988       -.02246    .02280
> 2
----------------------+-------------------------------------------------------------
> -

First-Stage Estimates. Outcome: share_evang. Running variable: margins.
----------------------+-------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
----------------------+-------------------------------------------------------------
> -
        Conventional |  -1.1883    1.0265    -1.1576   0.247      -3.20017    .82362
> 9
              Robust |       -          -     -0.6856   0.493       -3.3058    1.5923
> 2
----------------------+-------------------------------------------------------------
> -

All structural estimates.
----------------------+-------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
----------------------+-------------------------------------------------------------
```

```
> ─
         Conventional │   .00025    .00967    0.0255    0.980      −.018703    .01919
> 6
       Bias−corrected │   .00017    .00967    0.0177    0.986      −.018779     .0191
> 2
              Robust │   .00017    .01155    0.0148    0.988       −.02246    .02280
> 2
─────────────────────┼──────────────────────────────────────────────────────────────
> ─

964 . ** Outcome: Conservatism
965 . rdrobust ideo_imp margins if year >= 2004 & national ==1, c(0) fuzzy(share_evang) a
> ll
Preparing data.
Computing bandwidth selectors.
Computing variance−covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 │ Left of c  Right of c              Number of obs =      2191
> 7
─────────────────────┼──────────────────────              NN matches    =
> 3
        Number of obs │      1164        1563              BW type       =        CC
> T
 Order loc. poly. (p) │         1           1              Kernel type   = Triangula
> r
       Order bias (q) │         2           2
    BW loc. poly. (h) │     4.411       4.411
          BW bias (b) │     7.103       7.103
            rho (h/b) │     0.621       0.621

Structural Estimates. Outcome: ideo_imp. Running variable: margins. Instrument: share
> _evang.
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
              Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
         Conventional │  −.03411    .03883    −0.8786   0.380      −.110216    .04198
> 8
              Robust │      −          −      −1.0436   0.297      −.137612    .04198
> 5
─────────────────────┼──────────────────────────────────────────────────────────────
> ─

First−Stage Estimates. Outcome: share_evang. Running variable: margins.
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
              Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
```

```
---------------------+------------------------------------------------------------
> -
        Conventional |  -1.1051     1.152    -0.9593   0.337        -3.363    1.1527
> 2
              Robust |      -         -      -0.5575   0.577      -3.43025     1.910
> 9
---------------------+------------------------------------------------------------
> -

All structural estimates.
---------------------+------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
---------------------+------------------------------------------------------------
> -
        Conventional |  -.03411    .03883    -0.8786   0.380      -.110216    .04198
> 8
      Bias-corrected |  -.04781    .03883    -1.2314   0.218      -.123916    .02828
> 9
              Robust |  -.04781    .04582    -1.0436   0.297      -.137612    .04198
> 5
---------------------+------------------------------------------------------------
> -

966 . ** Outcome: Polarization
967 . rdrobust pol_pi margins if year >= 2004 & national ==1, c(0) fuzzy(share_evang) all
Preparing data.
Computing bandwidth selectors.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

        Cutoff c = 0 | Left of c  Right of c              Number of obs =      2191
> 7
---------------------+----------------------              NN matches    =
> 3
       Number of obs |      1715        2388              BW type       =        CC
> T
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
      Order bias (q) |         2           2
   BW loc. poly. (h) |     6.333       6.333
         BW bias (b) |     9.820       9.820
           rho (h/b) |     0.645       0.645

Structural Estimates. Outcome: pol_pi. Running variable: margins. Instrument: share_e
> vang.
---------------------+------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
```

```
--------------------------------------------------------------------------------
> -
         Conventional |   .01123    .04414    0.2544    0.799      -.075281    .09774
> 2
               Robust |      -         -      0.0784    0.937      -.098819    .10705
> 7
--------------------------------------------------------------------------------
> -

First-Stage Estimates. Outcome: share_evang. Running variable: margins.
--------------------------------------------------------------------------------
> -
               Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
--------------------------------------------------------------------------------
> -
         Conventional |   -1.357    .93618    -1.4495   0.147      -3.19183    .47791
> 3
               Robust |      -         -      -0.9319   0.351      -3.24994    1.1553
> 7
--------------------------------------------------------------------------------
> -

All structural estimates.
--------------------------------------------------------------------------------
> -
               Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
--------------------------------------------------------------------------------
> -
         Conventional |   .01123    .04414    0.2544    0.799      -.075281    .09774
> 2
       Bias-corrected |   .00412    .04414    0.0933    0.926      -.082392     .0906
> 3
               Robust |   .00412    .05252    0.0784    0.937      -.098819    .10705
> 7
--------------------------------------------------------------------------------
> -

968 .
    end of do-file

969 . do "/var/folders/1p/ktsylbts09n7c1cbjt351qpm0000gn/T//SD24459.000000"

970 . ***** Local elections
971 . ** Outcome: Turnout
972 . rdrobust turnout margins if year >= 2004 & national ==0, c(0)  fuzzy(share_evang) a
    > ll
    Preparing data.
    Computing bandwidth selectors.
    Computing variance-covariance matrix.
    Computing RD estimates.
    Estimation completed.
```

```
Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 | Left of c  Right of c              Number of obs =      2187
> 4
----------------------+----------------------              NN matches    =
> 3
        Number of obs |      1218        1643              BW type       =        CC
> T
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     4.639       4.639
          BW bias (b) |     8.855       8.855
            rho (h/b) |     0.524       0.524

Structural Estimates. Outcome: turnout. Running variable: margins. Instrument: share_
> evang.
----------------------+------------------------------------------------------------
> -
               Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
----------------------+------------------------------------------------------------
> -
         Conventional |  -.01497    .01376    -1.0878   0.277      -.041948    .01200
> 4
               Robust |      -         -      -1.2433   0.214       -.04954    .01108
> 3
----------------------+------------------------------------------------------------
> -

First-Stage Estimates. Outcome: share_evang. Running variable: margins.
----------------------+------------------------------------------------------------
> -
               Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
----------------------+------------------------------------------------------------
> -
         Conventional |  -1.0835    .98963    -1.0948   0.274      -3.02312    .85615
> 2
               Robust |      -         -      -0.8221   0.411      -3.09186     1.264
> 6
----------------------+------------------------------------------------------------
> -

All structural estimates.
----------------------+------------------------------------------------------------
> -
               Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
----------------------+------------------------------------------------------------
> -
         Conventional |  -.01497    .01376    -1.0878   0.277      -.041948    .01200
> 4
       Bias-corrected |  -.01923    .01376    -1.3971   0.162      -.046204    .00774
```

```
> 7
               Robust |  -.01923    .01547    -1.2433   0.214       -.04954    .01108
> 3
----------------------+-------------------------------------------------------------
> -

973 . ** Outcome: Competition
974 . rdrobust comp margins if year >= 2004 & national ==0, c(0) fuzzy(share_evang) all
Preparing data.
Computing bandwidth selectors.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 | Left of c  Right of c              Number of obs =      2187
> 3
---------------------+------------------------              NN matches    =
> 3
       Number of obs |      1194        1619               BW type       =        CC
> T
 Order loc. poly. (p) |         1           1               Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     4.539       4.539
          BW bias (b) |     7.382       7.382
            rho (h/b) |     0.615       0.615

Structural Estimates. Outcome: comp. Running variable: margins. Instrument: share_eva
> ng.
----------------------+-------------------------------------------------------------
> -
               Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
----------------------+-------------------------------------------------------------
> -
         Conventional |   .01179    .01542    0.7649    0.444      -.018427    .04201
> 6
               Robust |      -         -      0.9521    0.341      -.018355    .05303
> 8
----------------------+-------------------------------------------------------------
> -

First-Stage Estimates. Outcome: share_evang. Running variable: margins.
----------------------+-------------------------------------------------------------
> -
               Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
----------------------+-------------------------------------------------------------
> -
         Conventional |   -1.091    1.0016    -1.0893   0.276      -3.05402    .87206
> 9
               Robust |      -         -      -0.6771   0.498      -3.11123    1.5134
```

```
> 9
──────────────────────┴──────────────────────────────────────────────────────────
> ─

All structural estimates.
──────────────────────┬──────────────────────────────────────────────────────────
> ─
               Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
──────────────────────┼──────────────────────────────────────────────────────────
> ─
         Conventional │   .01179    .01542    0.7649    0.444      -.018427    .04201
> 6
       Bias-corrected │   .01734    .01542    1.1246    0.261      -.012881    .04756
> 3
               Robust │   .01734    .01821    0.9521    0.341      -.018355    .05303
> 8
──────────────────────┴──────────────────────────────────────────────────────────
> ─

975 . ** Outcome: Conservatism
976 . rdrobust ideo_imp margins if year >= 2004 & national ==0, c(0) fuzzy(share_evang) a
> ll
Preparing data.
Computing bandwidth selectors.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 │ Left of c  Right of c              Number of obs =      2187
> 6
──────────────────────┼──────────────────────              NN matches    =
> 3
        Number of obs │      1452        2029              BW type       =        CC
> T
 Order loc. poly. (p) │         1           1              Kernel type   = Triangula
> r
       Order bias (q) │         2           2
    BW loc. poly. (h) │     5.544       5.544
          BW bias (b) │     9.076       9.076
            rho (h/b) │     0.611       0.611

Structural Estimates. Outcome: ideo_imp. Running variable: margins. Instrument: share
> _evang.
──────────────────────┬──────────────────────────────────────────────────────────
> ─
               Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
──────────────────────┼──────────────────────────────────────────────────────────
> ─
         Conventional │    .0062    .01048    0.5917    0.554      -.014337    .02673
> 7
```

```
                Robust │      -         -      0.3670    0.714      -.019501    .02848
> 6
———————————————————————┼———————————————————————————————————————————————————————————
> —

First-Stage Estimates. Outcome: share_evang. Running variable: margins.
———————————————————————┼———————————————————————————————————————————————————————————
> —
                Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
———————————————————————┼———————————————————————————————————————————————————————————
> —
          Conventional │  -1.1762    .89875    -1.3087   0.191      -2.93774    .58531
> 2
                Robust │      -         -      -0.9122   0.362      -3.03155     1.105
> 9
———————————————————————┼———————————————————————————————————————————————————————————
> —

All structural estimates.
———————————————————————┼———————————————————————————————————————————————————————————
> —
                Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
———————————————————————┼———————————————————————————————————————————————————————————
> —
          Conventional │    .0062    .01048    0.5917    0.554      -.014337    .02673
> 7
       Bias-corrected │   .00449    .01048    0.4287    0.668      -.016045     .0250
> 3
                Robust │   .00449    .01224    0.3670    0.714      -.019501    .02848
> 6
———————————————————————┼———————————————————————————————————————————————————————————
> —

977 . ** Outcome: Polarization
978 . rdrobust pol_pi margins if year >= 2004 & national ==0, c(0) fuzzy(share_evang) all
    Preparing data.
    Computing bandwidth selectors.
    Computing variance-covariance matrix.
    Computing RD estimates.
    Estimation completed.

    Sharp RD estimates using local polynomial regression.

           Cutoff c = 0 │ Left of c  Right of c             Number of obs =      2187
> 6
———————————————————————┼————————————————————             NN matches    =
> 3
         Number of obs │      1707        2402             BW type       =        CC
> T
   Order loc. poly. (p) │         1           1             Kernel type   = Triangula
> r
         Order bias (q) │         2           2
```

```
    BW loc. poly. (h) |     6.375       6.375
          BW bias (b) |     9.514       9.514
            rho (h/b) |     0.670       0.670

Structural Estimates. Outcome: pol_pi. Running variable: margins. Instrument: share_e
> vang.
---------------------+--------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
---------------------+--------------------------------------------------------------
> -
        Conventional |   .02735    .04721    0.5793    0.562      -.065176    .11987
> 3
              Robust |      -         -      0.5801    0.562      -.079375    .14611
> 4
---------------------+--------------------------------------------------------------
> -

First-Stage Estimates. Outcome: share_evang. Running variable: margins.
---------------------+--------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
---------------------+--------------------------------------------------------------
> -
        Conventional |  -1.294    .82638    -1.5659   0.117      -2.91368    .32567
> 5
              Robust |      -         -      -1.0420   0.297      -3.02301     .9244
> 1
---------------------+--------------------------------------------------------------
> -

All structural estimates.
---------------------+--------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
---------------------+--------------------------------------------------------------
> -
        Conventional |   .02735    .04721    0.5793    0.562      -.065176    .11987
> 3
      Bias-corrected |   .03337    .04721    0.7069    0.480      -.059154    .12589
> 4
              Robust |   .03337    .05752    0.5801    0.562      -.079375    .14611
> 4
---------------------+--------------------------------------------------------------
> -

979 .
    end of do-file

980 . do "/var/folders/1p/ktsylbts09n7c1cbjt351qpm0000gn/T//SD24459.000000"
```

```
981 . ****************
982 . *** Appendix L: Testing for the rise of other religious groups around the LPT cutof
    > f
983 . ****************
984 .
985 .  * Table 13: The impact of LPT on the number of non-evangelical religious facilitie
    > s (A); and the impact of non-evangelical religious facilities on electoral outcomes
    >  (B)
986 .
987 . * To replicate estimates reported in Table 13 (Appendix), use the file "df_LPT_igre
    > jas_placebo_religious_group.dta"
988 .
989 . clear

990 . use "/Users/victoraraujosilva/Library/CloudStorage/GoogleDrive-victor.asaraujo@alum
    > ni.usp.br/My Drive/Igrejas_political outcomes/psrm_materials/df_LPT_igrejas_placebo
    > _religious_group.dta"
    (Written by R.              )

991 .
    end of do-file

992 . do "/var/folders/1p/ktsylbts09n7c1cbjt351qpm0000gn/T//SD24459.000000"

993 . ***** Full sample (All)
994 . ** Outcome: Turnout
995 . rdrobust turnout margins if year >= 2004, c(0) fuzzy(all_100) all
    Preparing data.
    Computing bandwidth selectors.
    Computing variance-covariance matrix.
    Computing RD estimates.
    Estimation completed.

    Sharp RD estimates using local polynomial regression.

             Cutoff c = 0 | Left of c  Right of c              Number of obs =      3872
    > 2
    ---------------------+------------------------              NN matches    =
    > 3
           Number of obs |      1523        2081              BW type       =        CC
    > T
     Order loc. poly. (p) |         1           1              Kernel type   = Triangula
    > r
           Order bias (q) |         2           2
        BW loc. poly. (h) |     3.501       3.501
              BW bias (b) |     6.291       6.291
                rho (h/b) |     0.556       0.556

    Structural Estimates. Outcome: turnout. Running variable: margins. Instrument: all_10
    > 0.
    ---------------------+--------------------------------------------------------------
    > -
                  Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
    > ]
```

```
──────────────────────┬──────────────────────────────────────────────────────────────
> ─
         Conventional │  .01576    .01253   1.2576   0.209     -.008803    .04032
> 5
               Robust │     -         -     0.8297   0.407     -.015864    .03915
> 5
──────────────────────┴──────────────────────────────────────────────────────────────
> ─
```

First-Stage Estimates. Outcome: all_100. Running variable: margins.

```
──────────────────────┬──────────────────────────────────────────────────────────────
> ─
               Method │   Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
         Conventional │  1.2117    .94923   1.2766   0.202      -.64871     3.072
> 2
               Robust │     -         -     1.5601   0.119     -.424473    3.7364
> 6
──────────────────────┴──────────────────────────────────────────────────────────────
> ─
```

All structural estimates.

```
──────────────────────┬──────────────────────────────────────────────────────────────
> ─
               Method │   Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
──────────────────────┼──────────────────────────────────────────────────────────────
> ─
         Conventional │  .01576    .01253   1.2576   0.209     -.008803    .04032
> 5
       Bias-corrected │  .01165    .01253   0.9292   0.353     -.012919     .0362
> 1
               Robust │  .01165    .01404   0.8297   0.407     -.015864    .03915
> 5
──────────────────────┴──────────────────────────────────────────────────────────────
> ─
```

```
996 . ** Outcome: Competition
997 . rdrobust comp margins if year >= 2004, c(0) fuzzy(all_100) all
```

Preparing data.
Computing bandwidth selectors.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

```
         Cutoff c = 0 │ Left of c  Right of c            Number of obs =      3872
> 1
──────────────────────┼──────────────────────            NN matches    =
> 3
        Number of obs │      1904        2663            BW type       =        CC
```

```
> T
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     4.359       4.359
          BW bias (b) |     6.837       6.837
            rho (h/b) |     0.638       0.638

Structural Estimates. Outcome: comp. Running variable: margins. Instrument: all_100.
---------------------+--------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
---------------------+--------------------------------------------------------------
> -
        Conventional |  -.03044    .07599    -0.4006   0.689      -.179373    .11848
> 8
              Robust |      -         -      0.0526    0.958      -.168069     .1773
> 4
---------------------+--------------------------------------------------------------
> -

First-Stage Estimates. Outcome: all_100. Running variable: margins.
---------------------+--------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
---------------------+--------------------------------------------------------------
> -
        Conventional |   .35788     .8694    0.4116    0.681      -1.34611    2.0618
> 7
              Robust |      -         -      0.8266    0.408      -1.14145    2.8062
> 8
---------------------+--------------------------------------------------------------
> -

All structural estimates.
---------------------+--------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
---------------------+--------------------------------------------------------------
> -
        Conventional |  -.03044    .07599    -0.4006   0.689      -.179373    .11848
> 8
  Bias-corrected |   .00464    .07599    0.0610    0.951      -.144295    .15356
> 6
              Robust |   .00464    .08812    0.0526    0.958      -.168069     .1773
> 4
---------------------+--------------------------------------------------------------
> -

998 . ** Outcome: Conservatism
999 . rdrobust ideo_imp margins if year >= 2004, c(0) fuzzy(all_100) all
```

```
Preparing data.
Computing bandwidth selectors.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

        Cutoff c = 0 | Left of c  Right of c             Number of obs =      3872
> 4
---------------------+----------------------             NN matches    =
> 3
       Number of obs |      1889        2624             BW type       =        CC
> T
 Order loc. poly. (p) |         1           1             Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     4.310       4.310
          BW bias (b) |     8.417       8.417
            rho (h/b) |     0.512       0.512

Structural Estimates. Outcome: ideo_imp. Running variable: margins. Instrument: all_1
> 00.
---------------------+------------------------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
---------------------+------------------------------------------------------------------------------
> -
        Conventional |   .06216    .13438    0.4626    0.644      -.201214    .32552
> 9
              Robust |      -         -      0.0711    0.943      -.279828     .3008
> 9
---------------------+------------------------------------------------------------------------------
> -

First-Stage Estimates. Outcome: all_100. Running variable: margins.
---------------------+------------------------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
---------------------+------------------------------------------------------------------------------
> -
        Conventional |   .41177    .87215    0.4721    0.637      -1.29762    2.1211
> 6
              Robust |      -         -      0.8522    0.394      -1.06609    2.7062
> 4
---------------------+------------------------------------------------------------------------------
> -

All structural estimates.
---------------------+------------------------------------------------------------------------------
> -
              Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
```

```
> ]
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
         Conventional │   .06216    .13438    0.4626    0.644      -.201214    .32552
> 9
       Bias-corrected │   .01053    .13438    0.0784    0.938      -.252841    .27390
> 3
               Robust │   .01053    .14814    0.0711    0.943      -.279828     .3008
> 9
─────────────────────┼──────────────────────────────────────────────────────────────
> ─

1000 . ** Outcome: Polarization
1001 . rdrobust pol_pi margins if year >= 2004, c(0) fuzzy(all_100) all
Preparing data.
Computing bandwidth selectors.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 | Left of c  Right of c              Number of obs =      3872
> 4
─────────────────────┼──────────────────────              NN matches    =
> 3
        Number of obs |      2113        3008              BW type       =        CC
> T
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     4.815       4.815
          BW bias (b) |     7.318       7.318
            rho (h/b) |     0.658       0.658

Structural Estimates. Outcome: pol_pi. Running variable: margins. Instrument: all_100
> .
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
               Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
         Conventional |    -.286    1.4271    -0.2004   0.841      -3.08315    2.5111
> 5
               Robust |      -         -      0.3153    0.753      -2.74606    3.7990
> 8
─────────────────────┼──────────────────────────────────────────────────────────────
> ─

First-Stage Estimates. Outcome: all_100. Running variable: margins.
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
               Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
```

```
> ]
```

Conventional	.17621	.83652	0.2106	0.833	−1.46334	1.8157
Robust	−	−	0.7084	0.479	−1.22533	2.6122

All structural estimates.

Method	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
Conventional	−.286	1.4271	−0.2004	0.841	−3.08315	2.5111
Bias-corrected	.52651	1.4271	0.3689	0.712	−2.27064	3.3236
Robust	.52651	1.6697	0.3153	0.753	−2.74606	3.7990

```
1002 .
end of do-file

1003 . do "/var/folders/1p/ktsylbts09n7c1cbjt351qpm0000gn/T//SD24459.000000"

1004 . ***** National elections
1005 . ** Outcome: Turnout
1006 . rdrobust turnout margins if year >= 2004 & national ==1, c(0)  fuzzy(all_100) all
```

Preparing data.
Computing bandwidth selectors.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

Cutoff c = 0	Left of **c**	Right of **c**		
Number of obs	**1040**	**1478**	BW type	**CC**
Order loc. poly. (p)	**1**	**1**	Kernel type	**Triangula**
Order bias (q)	**2**	**2**		
BW loc. poly. (h)	**4.739**	**4.739**		
BW bias (b)	**7.335**	**7.335**		
rho (h/b)	**0.646**	**0.646**		

Number of obs = **1940**
NN matches =

Structural Estimates. Outcome: turnout. Running variable: margins. Instrument: all_10 > 0.

Method	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
Conventional	.23732	4.5496	0.0522	0.958	-8.67975	9.1543
Robust	-	-	-0.3585	0.720	-12.2892	8.4884

First-Stage Estimates. Outcome: all_100. Running variable: margins.

Method	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
Conventional	.06201	1.1913	0.0521	0.958	-2.2729	2.3969
Robust	-	-	0.4507	0.652	-2.09471	3.3458

All structural estimates.

Method	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
Conventional	.23732	4.5496	0.0522	0.958	-8.67975	9.1543
Bias-corrected	-1.9004	4.5496	-0.4177	0.676	-10.8175	7.0166
Robust	-1.9004	5.3005	-0.3585	0.720	-12.2892	8.4884

```
1007 . ** Outcome: Competition
1008 . rdrobust comp margins if year >= 2004 & national ==1, c(0) fuzzy(all_100) all
```

Preparing data.
Computing bandwidth selectors.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

Cutoff c = 0	Left of **c**	Right of **c**		Number of obs =	**1940**
Number of obs	**1076**	**1534**		BW type =	**CC**
Order loc. poly. (p)	**1**	**1**		Kernel type =	**Triangula**
Order bias (q)	**2**	**2**			
BW loc. poly. (h)	**4.875**	**4.875**			
BW bias (b)	**7.435**	**7.435**			
rho (h/b)	**0.656**	**0.656**			

Structural Estimates. Outcome: comp. Running variable: margins. Instrument: all_100.

Method	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
Conventional	**.38742**	**22.532**	**0.0172**	**0.986**	**-43.7736**	**44.548**
Robust	**-**	**-**	**0.4480**	**0.654**	**-39.8258**	**63.427**

First-Stage Estimates. Outcome: all_100. Running variable: margins.

Method	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
Conventional	**-.02035**	**1.1796**	**-0.0173**	**0.986**	**-2.33235**	**2.2916**
Robust	**-**	**-**	**0.4164**	**0.677**	**-2.12894**	**3.2774**

All structural estimates.

Method	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
Conventional	**.38742**	**22.532**	**0.0172**	**0.986**	**-43.7736**	**44.548**
Bias-corrected	**11.801**	**22.532**	**0.5237**	**0.600**	**-32.3603**	**55.961**

```
                Robust │   11.801    26.341    0.4480    0.654      -39.8258    63.427
> 2
———————————————————————┼————————————————————————————————————————————————————————————
> —

1009 . ** Outcome: Conservatism
1010 . rdrobust ideo_imp margins if year >= 2004 & national ==1, c(0) fuzzy(all_100) all
Preparing data.
Computing bandwidth selectors.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 │ Left of c  Right of c              Number of obs =      1940
> 5
———————————————————————┼————————————————————              NN matches    =
> 3
        Number of obs │      1008        1410              BW type       =        CC
> T
 Order loc. poly. (p) │         1           1              Kernel type   = Triangula
> r
       Order bias (q) │         2           2
    BW loc. poly. (h) │     4.510       4.510
          BW bias (b) │     7.860       7.860
            rho (h/b) │     0.574       0.574

Structural Estimates. Outcome: ideo_imp. Running variable: margins. Instrument: all_1
> 00.
———————————————————————┼————————————————————————————————————————————————————————————
> —
                Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
———————————————————————┼————————————————————————————————————————————————————————————
> —
        Conventional │   .24291    1.6732    0.1452    0.885      -3.03653    3.5223
> 6
                Robust │      -         -      -0.2408   0.810      -4.16081    3.2502
> 8
———————————————————————┼————————————————————————————————————————————————————————————
> —

First-Stage Estimates. Outcome: all_100. Running variable: margins.
———————————————————————┼————————————————————————————————————————————————————————————
> —
                Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
———————————————————————┼————————————————————————————————————————————————————————————
> —
        Conventional │   .17609    1.2137    0.1451    0.885      -2.20268    2.5548
> 5
                Robust │      -         -      0.5115    0.609      -1.98741    3.3909
> 6
```

```
--------------------------+------------------------------------------------------------------
> -

All structural estimates.
--------------------------+------------------------------------------------------------------
> -
                  Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
--------------------------+------------------------------------------------------------------
> -
            Conventional |   .24291    1.6732    0.1452    0.885      -3.03653    3.5223
> 6
          Bias-corrected |  -.45527    1.6732    -0.2721   0.786      -3.73471    2.8241
> 8
                  Robust |  -.45527    1.8906    -0.2408   0.810      -4.16081    3.2502
> 8
--------------------------+------------------------------------------------------------------
> -

1011 . ** Outcome: Polarization
1012 . rdrobust pol_pi margins if year >= 2004 & national ==1, c(0) fuzzy(all_100) all
Preparing data.
Computing bandwidth selectors.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

            Cutoff c = 0 | Left of c  Right of c              Number of obs =      1940
> 5
--------------------------+-----------------------              NN matches    =
> 3
           Number of obs |      1304        1818               BW type       =        CC
> T
     Order loc. poly. (p) |         1           1               Kernel type   = Triangula
> r
          Order bias (q) |         2           2
       BW loc. poly. (h) |     5.664       5.664
             BW bias (b) |     8.529       8.529
               rho (h/b) |     0.664       0.664

Structural Estimates. Outcome: pol_pi. Running variable: margins. Instrument: all_100
> .
--------------------------+------------------------------------------------------------------
> -
                  Method |    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
--------------------------+------------------------------------------------------------------
> -
            Conventional |   .02204    .18264    0.1207    0.904       -.33594    .38001
> 2
                  Robust |      -         -      0.1995    0.842      -.382082    .46866
> 8
```

```
                    ┴──────────────────────────────────────────────────────────────
> ─

First-Stage Estimates. Outcome: all_100. Running variable: margins.
                    ┴──────────────────────────────────────────────────────────────
> ─
              Method │    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
                    ┼──────────────────────────────────────────────────────────────
> ─
        Conventional │  -.36851    1.1147    -0.3306   0.741      -2.55324    1.8162
> 3
              Robust │      -         -      0.2714    0.786      -2.21478    2.9268
> 5
                    ┴──────────────────────────────────────────────────────────────
> ─

All structural estimates.
                    ┴──────────────────────────────────────────────────────────────
> ─
              Method │    Coef.   Std. Err.     z      P>|z|     [95% Conf. Interval
> ]
                    ┼──────────────────────────────────────────────────────────────
> ─
        Conventional │   .02204    .18264    0.1207    0.904       -.33594    .38001
> 2
      Bias-corrected │   .04329    .18264    0.2370    0.813      -.314683    .40126
> 9
              Robust │   .04329    .21703    0.1995    0.842      -.382082    .46866
> 8
                    ┴──────────────────────────────────────────────────────────────
> ─

1013 .
     end of do-file

1014 . do "/var/folders/1p/ktsylbts09n7c1cbjt351qpm0000gn/T//SD24459.000000"

1015 . ***** Local elections
1016 . ** Outcome: Turnout
1017 . rdrobust turnout margins if year >= 2004 & national ==0, c(0)  fuzzy(all_100) all
     Preparing data.
     Computing bandwidth selectors.
     Computing variance-covariance matrix.
     Computing RD estimates.
     Estimation completed.

     Sharp RD estimates using local polynomial regression.

          Cutoff c = 0 │ Left of c  Right of c              Number of obs =      1931
> 7
                       ┼──────────────────────              NN matches    =
> 3
         Number of obs │       691         947              BW type       =        CC
```

```
> T
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     3.280       3.280
          BW bias (b) |     6.535       6.535
            rho (h/b) |     0.502       0.502

Structural Estimates. Outcome: turnout. Running variable: margins. Instrument: all_10
> 0.
---------------------+--------------------------------------------------------------
> —
              Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
---------------------+--------------------------------------------------------------
> —
        Conventional |   .01919    .01993    0.9630    0.336      -.019868     .0582
> 5
              Robust |      -         -      0.7793    0.436      -.025762    .05977
> 1
---------------------+--------------------------------------------------------------
> —

First-Stage Estimates. Outcome: all_100. Running variable: margins.
---------------------+--------------------------------------------------------------
> —
              Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
---------------------+--------------------------------------------------------------
> —
        Conventional |   1.2432    1.3327    0.9328    0.351     -1.36898     3.855
> 3
              Robust |      -         -      1.0469    0.295     -1.33159    4.3853
> 2
---------------------+--------------------------------------------------------------
> —

All structural estimates.
---------------------+--------------------------------------------------------------
> —
              Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
---------------------+--------------------------------------------------------------
> —
        Conventional |   .01919    .01993    0.9630    0.336      -.019868     .0582
> 5
      Bias-corrected |     .017    .01993    0.8533    0.394      -.022055    .05606
> 4
              Robust |     .017    .02182    0.7793    0.436      -.025762    .05977
> 1
---------------------+--------------------------------------------------------------
> —
```

```
1018 . ** Outcome: Competition
```

```
1019 . rdrobust comp margins if year >= 2004 & national ==0, c(0) fuzzy(all_100) all
     Preparing data.
     Computing bandwidth selectors.
     Computing variance-covariance matrix.
     Computing RD estimates.
     Estimation completed.

     Sharp RD estimates using local polynomial regression.

            Cutoff c = 0 | Left of c  Right of c              Number of obs =      1931
     > 6
     ---------------------+----------------------              NN matches    =
     > 3
           Number of obs |       956        1337              BW type       =        CC
     > T
     Order loc. poly. (p) |         1           1              Kernel type   = Triangula
     > r
           Order bias (q) |         2           2
       BW loc. poly. (h) |     4.379       4.379
             BW bias (b) |     7.081       7.081
               rho (h/b) |     0.618       0.618

     Structural Estimates. Outcome: comp. Running variable: margins. Instrument: all_100.
     ---------------------+------------------------------------------------------------------
     > -
                   Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
     > ]
     ---------------------+------------------------------------------------------------------
     > -
            Conventional |  -.03113    .07945    -0.3918   0.695      -.186839    .12458
     > 7
                  Robust |      -         -      -0.1333   0.894      -.191158    .16680
     > 6
     ---------------------+------------------------------------------------------------------
     > -

     First-Stage Estimates. Outcome: all_100. Running variable: margins.
     ---------------------+------------------------------------------------------------------
     > -
                   Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
     > ]
     ---------------------+------------------------------------------------------------------
     > -
            Conventional |  .47498     1.189    0.3995    0.690      -1.85544    2.8054
     > 1
                  Robust |      -         -      0.6203    0.535      -1.83342    3.5312
     > 5
     ---------------------+------------------------------------------------------------------
     > -

     All structural estimates.
     ---------------------+------------------------------------------------------------------
     > -
                   Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
```

```
> ]
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
         Conventional │  -.03113    .07945    -0.3918   0.695      -.186839    .12458
> 7
       Bias-corrected │  -.01218    .07945    -0.1533   0.878      -.167889    .14353
> 7
                Robust │  -.01218    .09132    -0.1333   0.894      -.191158    .16680
> 6
─────────────────────┼──────────────────────────────────────────────────────────────
> ─

1020 . ** Outcome: Conservatism
1021 . rdrobust ideo_imp margins if year >= 2004 & national ==0, c(0) fuzzy(all_100) all
Preparing data.
Computing bandwidth selectors.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 | Left of c  Right of c              Number of obs =      1931
> 9
─────────────────────┼──────────────────────              NN matches    =
> 3
        Number of obs |      1117        1566              BW type       =        CC
> T
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     5.057       5.057
          BW bias (b) |     8.628       8.628
            rho (h/b) |     0.586       0.586

Structural Estimates. Outcome: ideo_imp. Running variable: margins. Instrument: all_1
> 00.
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
                Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
         Conventional |   .02913    .19808    0.1471    0.883      -.359089    .41735
> 4
                Robust |      -         -      -0.1000   0.920      -.464902    .41977
> 7
─────────────────────┼──────────────────────────────────────────────────────────────
> ─

First-Stage Estimates. Outcome: all_100. Running variable: margins.
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
                Method |    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
```

```
> ]
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
        Conventional │   .18174    1.1244    0.1616    0.872      -2.02206    2.3855
> 4
              Robust │      -         -      0.5072    0.612       -1.8603    3.1591
> 5
─────────────────────┼──────────────────────────────────────────────────────────────
> ─

All structural estimates.
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
              Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
        Conventional │   .02913    .19808    0.1471    0.883      -.359089    .41735
> 4
      Bias-corrected │  -.02256    .19808    -0.1139   0.909      -.410784    .36565
> 9
              Robust │  -.02256    .22569    -0.1000   0.920      -.464902    .41977
> 7
─────────────────────┼──────────────────────────────────────────────────────────────
> ─

1022 . ** Outcome: Polarization
1023 . rdrobust pol_pi margins if year >= 2004 & national ==0, c(0) fuzzy(all_100) all
Preparing data.
Computing bandwidth selectors.
Computing variance-covariance matrix.
Computing RD estimates.
Estimation completed.

Sharp RD estimates using local polynomial regression.

         Cutoff c = 0 | Left of c  Right of c              Number of obs =      1931
> 9
─────────────────────┼──────────────────────              NN matches    =
> 3
       Number of obs |      1065        1510              BW type       =        CC
> T
 Order loc. poly. (p) |         1           1              Kernel type   = Triangula
> r
       Order bias (q) |         2           2
    BW loc. poly. (h) |     4.858       4.858
          BW bias (b) |     7.492       7.492
            rho (h/b) |     0.648       0.648

Structural Estimates. Outcome: pol_pi. Running variable: margins. Instrument: all_100
> .
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
              Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
```

```
> ]
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
        Conventional │  -.28491    1.1231    -0.2537   0.800      -2.48613    1.9163
> 1
              Robust │      -         -      0.0915    0.927      -2.44597    2.6854
> 7
─────────────────────┼──────────────────────────────────────────────────────────────
> ─

First-Stage Estimates. Outcome: all_100. Running variable: margins.
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
              Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
        Conventional │   .30591    1.1407    0.2682    0.789      -1.92986    2.5416
> 8
              Robust │      -         -      0.5782    0.563      -1.83762    3.3756
> 2
─────────────────────┼──────────────────────────────────────────────────────────────
> ─

All structural estimates.
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
              Method │    Coef.   Std. Err.      z      P>|z|     [95% Conf. Interval
> ]
─────────────────────┼──────────────────────────────────────────────────────────────
> ─
        Conventional │  -.28491    1.1231    -0.2537   0.800      -2.48613    1.9163
> 1
      Bias-corrected │   .11975    1.1231    0.1066    0.915      -2.08146    2.3209
> 7
              Robust │   .11975    1.3091    0.0915    0.927      -2.44597    2.6854
> 7
─────────────────────┼──────────────────────────────────────────────────────────────
> ─

1024 .
end of do-file

1025 . log close
      name:  <unnamed>
       log:  /Users/victoraraujosilva/Library/CloudStorage/GoogleDrive-victor.asarauj
> o@alumni.usp.br/My Drive/Igrejas_political outcomes/psrm_materials/stata_log_replic
> ation_psrm2025.smcl
  log type:  smcl
 closed on:  21 May 2025, 12:14:56
──────────────────────────────────────────────────────────────────────────────────
```