appendix_surveyplot2005.R

datalab

2023-06-16

```
#############################################################
#################      Survey Plot (2005)       #############
################      October 10, 2018    ##################
##########   Rerun: December 16, 2022


rm(list = ls())
library(foreign)
library(readstata13)
library(ggplot2)
library(scales)

data=read.dta13("~/Dropbox/Personal Research 2017/replications/IHDS_karn05.dta")
names(data)
```

```
##   [1] "CASEID"       "STATEID"      "DISTID"       "PSUID"        "HHID"         "HHSPLITID"    "IDH
##  [20] "HHED5F"       "HHED5M"       "NWORK"        "NFARM"        "NANIMAL"      "NAGWAGE"      "NNO
##  [39] "HC9"          "HC10"         "HC11"         "HC12"         "HC13"         "HC14"         "HC1
##  [58] "ID9"          "ID13"         "ID14"         "ID15"         "ID16"         "ID17"         "ID1
##  [77] "FM6E"         "FM7"          "FM8A"         "FM8B"         "FM8C"         "FM9A"         "FM9
##  [96] "FM25"         "FM26"         "FM27"         "FMTOTAL"      "FM31"         "FM32A"        "FM3
## [115] "AN1F"         "AN1G"         "AN2A"         "AN2B"         "AN3"          "AN4A"         "AN4
## [134] "NF10B"        "NF11"         "NF12"         "NF13"         "NF14"         "NF15"         "NF1
## [153] "IN4B"         "IN5"          "IN6"          "IN14A"        "IN14B"        "IN15"         "IN1
## [172] "RC2"          "RC3"          "RC4"          "RC5"          "MM1A"         "MM2A"         "MM3
## [191] "CO1X"         "CO1A"         "CO1B"         "CO1C"         "CO1D"         "CO1E"         "CO2
## [210] "CO4A"         "CO4B"         "CO4C"         "CO4D"         "CO4E"         "CO5X"         "CO5
## [229] "CO7C"         "CO7T"         "CO8X"         "CO8A"         "CO8B"         "CO8C"         "CO8
## [248] "CO11B"        "CO11C"        "CO11T"        "CO12X"        "CO12A"        "CO12B"        "CO1
## [267] "CO16"         "CO17"         "CO18"         "CO19"         "CO20"         "CO21"         "CO2
## [286] "CO35"         "CO36"         "CO37"         "CO38"         "CO39"         "CO40"         "CO4
## [305] "CG7"          "CG8"          "CG9"          "CG10"         "CG11"         "CG12"         "CG1
## [324] "DB2"          "DB2B"         "DB2C"         "DB2D"         "DB2E"         "DB2F"         "DB3
## [343] "SN2B"         "SN2C"         "SN2D"         "SN2E"         "SN2F"         "SN3A"         "SN3
## [362] "ME9"          "ME10"         "ME11"         "ME12"         "TR1"          "TR2"          "TR3
## [381] "CI9"          "CI10"         "DE1"          "DE2A"         "DE3A"         "DE4A"         "DE5
## [400] "OH2A"         "OH2B"         "OH2C"         "OH2D"         "OH3"          "OH4"          "OH5
## [419] "GE11"         "GE12"         "GE13"         "GE14"         "CD1"          "CD2"          "CD3
## [438] "CH1"          "CH2"          "CH3"          "CH4"          "CH5"          "CH6"          "CH7
## [457] "CH1S"         "CH18"         "CH19"         "CH20"         "CH21"         "CH22"         "CH2
## [476] "CH2SP"        "CH2S"         "MP1"          "MP2"          "MP3A"         "MP3B"         "MP4
## [495] "MP5L"         "MP5M"         "MP5N"         "MP5O"         "MP5P"         "MP5Q"         "MP5
## [514] "WA9B"         "WA9C"         "WA9D"         "WA10"         "WA11A"        "WA11B"        "SA1
```

```
## [533] "FU3"          "FU4"          "FU5"          "FU5A"         "FU5B"         "FU6"          "FU6
## [552] "FU10B"        "FU11A"        "FU11B"        "FU11C"        "FU11D"        "FU11E"        "QC1
## [571] "O5A"          "O6"           "O6A"          "O6B"          "O6C"          "O7"           "EW3
## [590] "AI1"          "AI1A"         "AI1B"         "AI1C"         "AI1D"         "AI1E"         "AI2
## [609] "GR2F"         "GR2G"         "GR3A"         "GR3B"         "GR3C"         "GR3D"         "GR3
## [628] "GR5D"         "GR5E"         "GR5F"         "GR5G"         "GR6A"         "GR6B"         "GR6
## [647] "GR8D"         "GR8E"         "GR8F"         "GR9"          "GR10"         "GR11A"        "GR1
## [666] "GR18A"        "GR18B"        "GR18C"        "GR19"         "GR20"         "GR21"         "GR2
## [685] "MH2A"         "MH2B"         "MH2C"         "MH2D"         "MH3"          "MH4"          "MH5
## [704] "MH15B"        "MH16"         "MH17A"        "MH17B"        "MH18A"        "MH18B"        "MH1
## [723] "FH7D"         "FHCHK"        "FP1"          "FP2A"         "FP2B"         "FP2C"         "FP3
## [742] "LB2A"         "LB2B"         "LB3A"         "LB3B"         "LB3C"         "LB3D"         "LB3
## [761] "LB7F"         "LB7G"         "LB7H"         "LB8"          "LB9A"         "LB9B"         "LB9
## [780] "LB16"         "LB17"         "LB18"         "LB18A"        "LB19A"        "LB19B"        "LB2
## [799] "LB25"         "LB26A"        "LB26B"        "LB27"         "LB28"         "LB29"         "LB3
## [818] "LB36D"        "LB36D1"       "LB36E"        "LB36E1"       "NL1A"         "NL1B"         "NL2
## [837] "NL6B"         "NL6C"         "NL6D"         "NL6E"         "NL6F"         "NL6G"         "NL6
## [856] "NL15B"        "NL15C"        "NL15D"        "NL15E"        "NL16"         "NL17"         "NL1
## [875] "NL21I"        "NL22"         "NL23"         "NL24"         "NL25"         "NL26A"        "NL2
## [894] "NL36B"        "NL36B1"       "NL36C"        "NL36C1"       "NL36D"        "NL36D1"       "NL3
## [913] "OG5"          "OG6"          "OG7"          "INCOME"       "INCWAGE"      "INCSALARY"    "INC
## [932] "EW6F"         "EW5C"         "MH1BC"        "MH1BF"        "MH1AC"        "MH2BC"        "MH2
```

```
table(data$DISTNAME)
```

```
##
##             Baramula            Srinagar             Pulwama             Rajauri
##                    0                   0                   0                   0
##               Shimla           Gurdaspur            Amritsar           Kapurthala
##                    0                   0                   0                   0
##              Patiala           Chandigarh            Dehradun            Bageshwar
##                    0                   0                   0                   0
##               Karnal             Sonipat                Jind            Fatehabad
##                    0                   0                   0                   0
##                 West          South West               South  Delhi Municipal Corp New Delhi Mu
##                    0                   0                   0                   0
##       Sawai Madhopur               Dausa              Jaipur               Sikar
##                    0                   0                   0                   0
##                Kota               Baran            Jhalawar           Saharanpur         Muza
##                    0                   0                   0                   0
##              Mathura                Agra              Budaun            Bareilly
##                    0                   0                   0                   0
##           Chitrakoot           Kaushambi           Allahabad            Barabanki
##                    0                   0                   0                   0
##                 Mau               Baliya             Ghazipur            Chandauli
##                    0                   0                   0                   0
##               Saran           Bhagal Pur               Banka           Sheikhpura
##                    0                   0                   0                   0
##               Wokkha             Dimapur              Kohima           Tamenglong           Im
##                    0                   0                   0                   0
##             Goalpara              Kamrup            Marigaon            Tinsukia
##                    0                   0                   0                   0
##           Barddhaman               Nadia  North 24 Parganas               Hugli
##                    0                   0                   0                   0
##       Purbi Singhbhum             Bargarh          Jharsuguda           Sambalpur           S
```

```
##                   0                   0                   0                   0
##            Nayagarh            Khordha               Puri              Ganjam
##                   0                   0                   0                   0
##          Malkangiri              Koriya            Sarguja             Jashpur
##                   0                   0                   0                   0
##            Dhamtari              Kanker             Bastar            Sheopur
##                   0                   0                   0                   0
##             Shahdol               Sidhi             Ratlam             Ujjain
##                   0                   0                   0                   0
##               Betul               Harda         Hoshangabad              Katni
##                   0                   0                   0                   0
##        Surendranagar              Rajkot            Jamnagar           Junagadh
##                   0                   0                   0                   0
##               Daman  Dadra & Nagar Haveli           Nandurbar             Dhule
##                   0                   0                   0                   0
##            Yavatmal              Nanded             Hingoli           Parbhani
##                   0                   0                   0                   0
##              Satara            Ratnagiri            Kolhapur           Adilabad
##                   0                   0                   0                   0
##       West Godavari              Krishna             Guntur           Prakasam
##                   0                   0                   0                   0
##              Raichur              Koppal              Gadag            Dharwad
##                   60                 125                  65                  84
##              Kolar             Bangalore      Bangalore Rural             Mandya
##                 309                 360                 140                  45
##            Palakkad            Thrissur           Ernakulam            Idukki
##                   0                   0                   0                   0
##          Dharampuri       Tiruvannamalai            Namakkal            Erode
##                   0                   0                   0                   0
##       Ramanathapuram         Thoothukkudi          Tirunelveli       Kanniyakumari
##                   0                   0                   0                   0
```

```
#total
kar=data[which(data$DISTNAME=="Shimoga"|data$DISTNAME=="Davanagere"|
                 data$DISTNAME=="Chitradurga"|data$DISTNAME=="Uttar Kannad"|
                 data$DISTNAME=="Haveri"|data$DISTNAME=="Gadag"|
                 data$DISTNAME=="Dharwad"|data$DISTNAME=="Koppal"|
                 data$DISTNAME=="Raichur"|
                 data$DISTNAME=="Gulbarga"|data$DISTNAME=="Bagalkot"|
                 data$DISTNAME=="Bijapur"),]

kar$tr=1
kar$tr[kar$DISTNAME=="Bagalkot"|
         kar$DISTNAME=="Haveri"|kar$DISTNAME=="Bijapur"|
         kar$DISTNAME=="Gadag"|kar$DISTNAME=="Uttar Kannad"|
         kar$DISTNAME=="Dharwad"]=0
table(kar$tr)
```

```
##
##   0   1
## 599 530
```

```
####confidence in politicians

#delete unnecessary categoies, like I do not know.
```

```r
table(kar$CI1)
```

```
##
##    Inconsistent    Out of range Valid skip_(-5)    Invalid skip      Don't know Valid skip_(-2)
##               0               0               0               0              12               0
```

```r
kargov=kar[which(kar$CI1=="A great deal"|kar$CI1=="Only some"|
                   kar$CI1=="Hardly any"),]
table(kargov$CI1)
```

```
##
##    Inconsistent    Out of range Valid skip_(-5)    Invalid skip      Don't know Valid skip_(-2)
##               0               0               0               0               0               0
```

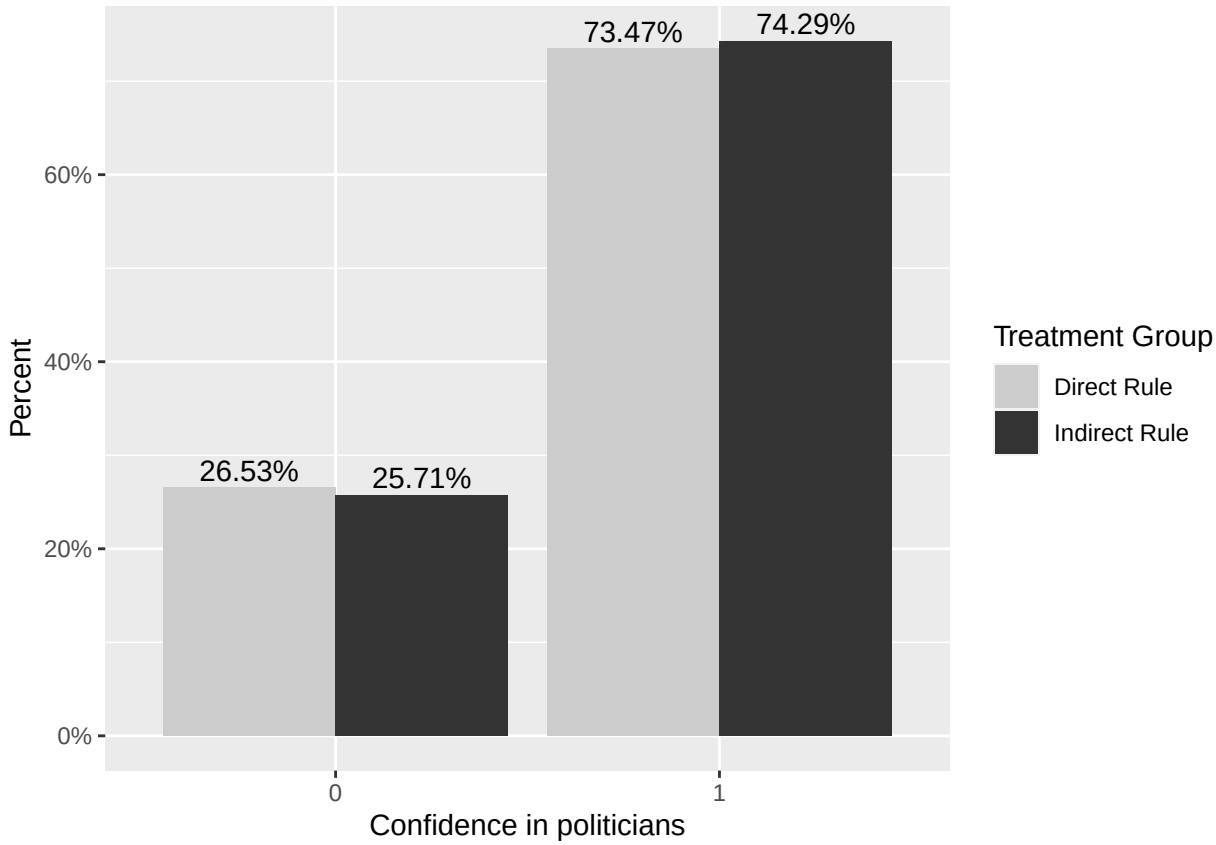
```r
#change categories
kargov$ci1=1 #confident
#kar$ci4[kar$CI4=="Only some confidence"|kar$CI4=="Hardly any confidence at all"]=0 #not confident
kargov$ci1[kargov$CI6=="Hardly any"]=0 #not confident

table(kargov$ci1, kargov$tr)
```

```
##
##       0   1
##   0 156 136
##   1 432 393
```

```r
g1=ggplot(kargov, aes(x=factor(ci1), group=factor(tr)))+
  geom_bar(aes(y = ..prop.., fill = factor(tr)), stat="count", position=position_dodge())+
  xlab("Confidence in politicians")+ylab("Count")+
  scale_fill_grey(start=0.8, end=0.2, name="Treatment Group",
                  labels=c("Direct Rule", "Indirect Rule"))+
  labs(y = "Percent") +
  geom_text(aes( label = scales::percent(..prop..),
                 y= ..prop.. ), stat= "count", position = position_dodge(0.9), vjust=-0.33) +
  scale_y_continuous(labels=percent)

g1
```




```
pdf("surveyplot2005.pdf",width=7,height=5)
g1
dev.off()
```

```
## RStudioGD
##         2
```