appendix_surveyplot2011_2012.R

datalab

2023-06-16

```
#############################################################
#################      Survey Plot (2011-12)    #############
################      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_karn.dta")
table(data$DISTRICT)
```

```
##
##                  Baramula                  Srinagar                   Pulwama
##                         0                         0                         0
##                  Bilaspur                     Solan                   Sirmaur
##                         0                         0                         0
##                  Rupnagar                  Fatehgarh                  Ludhiana
##                         0                         0                         0
##                    Almora                  Nainital          Udham Singh Nagar
##                         0                         0                         0
##                   Sonipat                      Jind                  Fatehabad
##                         0                         0                         0
##                Delhi North           Delhi North East                Delhi East
##                         0                         0                         0
##                  Jhunjhunu                     Alwar                  Bharatpur
##                         0                         0                         0
##                   Jodhpur                     Jalor                      Pali
##                         0                         0                         0
##                  Jhalawar                Saharanpur             Muzaffarnagar
##                         0                         0                         0
##                   Hathras                    Mathura                      Agra
##                         0                         0                         0
##                Kanpur Dehat               Kanpur Nagar                    Jhansi
##                         0                         0                         0
##              Ambedkar Nagar                  Sultanpur                  Bahraich
##                         0                         0                         0
##                  Ghazipur                  Chandauli                   Varanasi          Sant Ra
##                         0                         0                         0
##                     Siwan                     Saran                  Bhagal Pur
```

```
##                     0                     0                     0
##                  Gaya                Sikkim              Arunachal
##                     0                     0                     0
##                Kamrup              Marigaon              Tinsukia
##                     0                     0                     0
##            Murshidabad              Birbhum             Barddhaman
##                     0                     0                     0
##                Palamu              Dhanbad                Bokaro
##                     0                     0                     0
##              Kendujhar             Mayurbhanj              Baleshwar
##                     0                     0                     0
##                  Puri               Ganjam               Gajapati
##                     0                     0                     0
##               Koraput            Malkangiri                Koriya
##                     0                     0                     0
##            Rajnandgaon                  Durg                Raipur
##                     0                     0                     0
##                 Datia             Tikamgarh             Chhatarpur
##                     0                     0                     0
##                Ujjain               Shajapur                 Dewas
##                     0                     0                     0
##                 Betul                 Harda            Hoshangabad
##                     0                     0                     0
##              Mahesana            Gandhinagar             Ahmedabad                Su
##                     0                     0                     0
##                 Kheda              Vadodara               Narmada
##                     0                     0                     0
##                 Akola               Washim              Amarawti
##                     0                     0                     0
##               Hingoli              Parbhani                Jalna
##                     0                     0                     0
##             Osmanabad               Solapur               Satara
##                     0                     0                     0
##            Rangareddi            Mahbubnagar              Khammam                Vi
##                     0                     0                     0
##             Cuddapah               Kurnool             Anantapur
##                     0                     0                     0
##                Gadag               Dharwad          Uttar Kannad
##                    70                    75                   103
##                Tumkur                Kolar             Bangalore             Bang
##                   220                   322                   351
##            South Goa                Kannur             Kozhikode
##                     0                     0                     0
##         Pathanamthitta               Kollam  Thiruvananthapuram                 T
##                     0                     0                     0
##                Erode            Coimbatore              Dindigul
##                     0                     0                     0
##         Ramanathapuram           Thoothukkudi             Tirunelveli             Ka
##                     0                     0                     0
```

```
#select districts
kar=data[which(data$DISTRICT=="Shimoga"|data$DISTRICT=="Davanagere"|
                 data$DISTRICT=="Chitradurga"|data$DISTRICT=="Uttar Kannad"|
                 data$DISTRICT=="Haveri"|data$DISTRICT=="Gadag"|
```

```
                 data$DISTRICT=="Dharwad"|data$DISTRICT=="Koppal"|
                 data$DISTRICT=="Raichur"|
                 data$DISTRICT=="Gulbarga"|data$DISTRICT=="Bagalkot"|
                 data$DISTRICT=="Bijapur"),]

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

```
##
##   0   1
## 574 525
```

```
table(kar$DISTRICT)
```

```
##
##                   Baramula                   Srinagar                    Pulwama
##                          0                          0                          0
##                   Bilaspur                      Solan                    Sirmaur
##                          0                          0                          0
##                   Rupnagar                  Fatehgarh                   Ludhiana
##                          0                          0                          0
##                     Almora                   Nainital           Udham Singh Nagar
##                          0                          0                          0
##                    Sonipat                       Jind                   Fatehabad
##                          0                          0                          0
##                 Delhi North            Delhi North East                Delhi East
##                          0                          0                          0
##                   Jhunjhunu                     Alwar                   Bharatpur
##                          0                          0                          0
##                    Jodhpur                     Jalor                       Pali
##                          0                          0                          0
##                   Jhalawar                 Saharanpur              Muzaffarnagar
##                          0                          0                          0
##                    Hathras                    Mathura                      Agra
##                          0                          0                          0
##                Kanpur Dehat                Kanpur Nagar                     Jhansi
##                          0                          0                          0
##               Ambedkar Nagar                  Sultanpur                   Bahraich
##                          0                          0                          0
##                   Ghazipur                   Chandauli                   Varanasi          Sant Ra
##                          0                          0                          0
##                     Siwan                      Saran                  Bhagal Pur
##                          0                          0                          0
##                      Gaya                     Sikkim                   Arunachal
##                          0                          0                          0
##                    Kamrup                   Marigaon                   Tinsukia
##                          0                          0                          0
##                Murshidabad                    Birbhum                  Barddhaman
##                          0                          0                          0
##                    Palamu                    Dhanbad                     Bokaro
##                          0                          0                          0
```

```
##                  Kendujhar                 Mayurbhanj                  Baleshwar
##                          0                          0                          0
##                       Puri                     Ganjam                   Gajapati
##                          0                          0                          0
##                    Koraput                 Malkangiri                     Koriya
##                          0                          0                          0
##                Rajnandgaon                       Durg                     Raipur
##                          0                          0                          0
##                      Datia                  Tikamgarh                 Chhatarpur
##                          0                          0                          0
##                     Ujjain                   Shajapur                      Dewas
##                          0                          0                          0
##                      Betul                      Harda                Hoshangabad
##                          0                          0                          0
##                   Mahesana                Gandhinagar                  Ahmedabad                Su
##                          0                          0                          0
##                      Kheda                   Vadodara                    Narmada
##                          0                          0                          0
##                      Akola                     Washim                   Amarawti
##                          0                          0                          0
##                    Hingoli                   Parbhani                      Jalna
##                          0                          0                          0
##                  Osmanabad                    Solapur                     Satara
##                          0                          0                          0
##                 Rangareddi                Mahbubnagar                    Khammam                Vi
##                          0                          0                          0
##                   Cuddapah                    Kurnool                  Anantapur
##                          0                          0                          0
##                      Gadag                    Dharwad                Uttar Kannad
##                         70                         75                        103
##                     Tumkur                      Kolar                  Bangalore              Bang
##                          0                          0                          0
##                  South Goa                     Kannur                   Kozhikode
##                          0                          0                          0
##              Pathanamthitta                     Kollam          Thiruvananthapuram                T
##                          0                          0                          0
##                      Erode                  Coimbatore                   Dindigul
##                          0                          0                          0
##              Ramanathapuram                Thoothukkudi                Tirunelveli                Ka
##                          0                          0                          0
```

```r
####confidence in politicians
#change categories
table(kar$tr, kar$CI1)
```

```
##
##     A great deal of confidence Only some confidence Hardly any confidence at all
##   0                         36                  230                          308
##   1                         43                  222                          259
```

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

```
##
##   A great deal of confidence         Only some confidence Hardly any confidence at all
##                           79                          452                          567
```

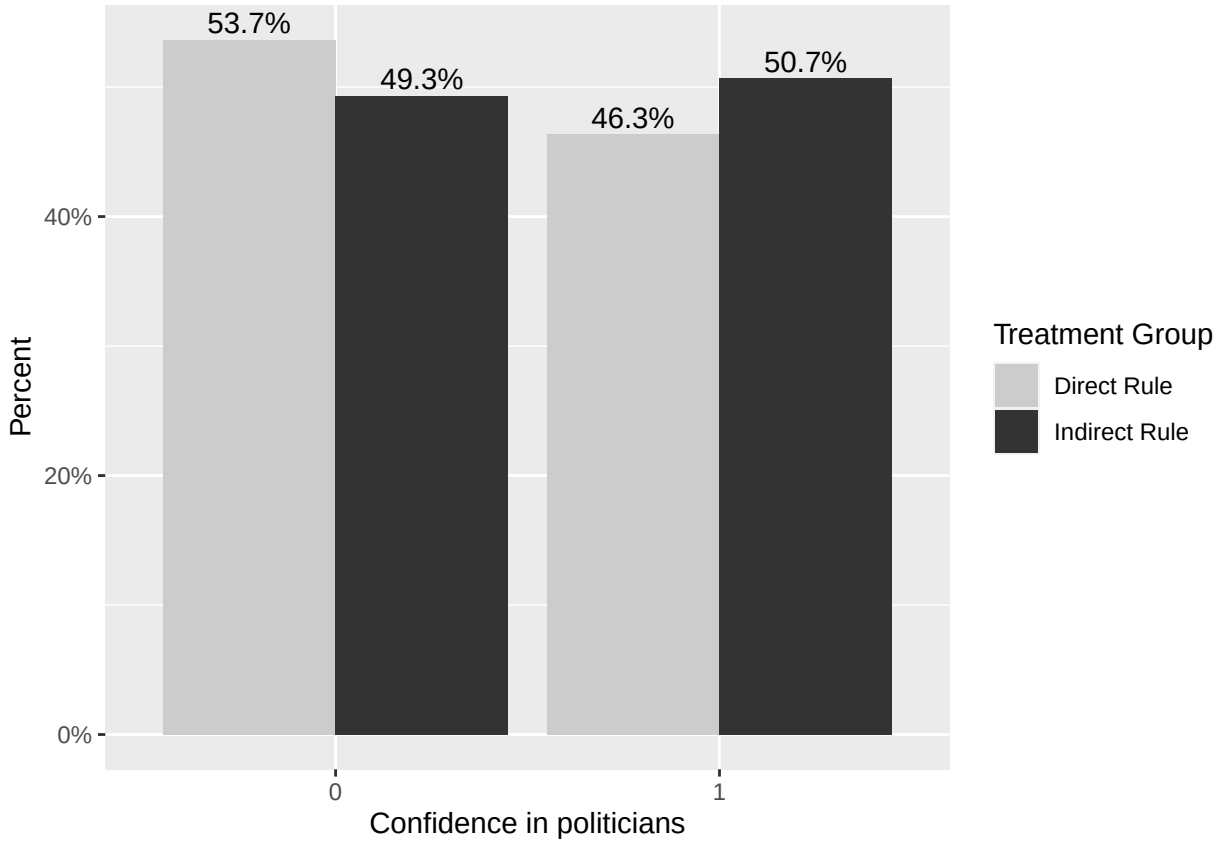
```r
kar$ci1=1 #confident
#kar$ci4[kar$CI4=="Only some confidence"|kar$CI4=="Hardly any confidence at all"]=0 #not confident
kar$ci1[kar$CI1=="Hardly any confidence at all"]=0 #not confident

table(kar$ci1)
```

```
##
##   0   1
## 567 532
```

```r
g1=ggplot(kar, 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
```




```r
pdf("surveyplot2011.pdf",width=7,height=5)
g1
dev.off()
```

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