ReplicationR

2022-11-23

```
# read in data + create fixed effects data
# shark <- read_dta('SharkAttacksElectionsCleaned_AllStates.dta') # the original data
shark <- read_dta('NewData2.dta') # our new data including non-fatal attacks
#shark <- read_dta('NewData2Y.dta') # our new data only years 1980-2012

shark$state_year <- (shark %>% group_by(state, year) %>% mutate(state_year = cur_group_id()))$state_yea
period <- ceiling((shark$year - 1872)/20)
period[period == 0] <- 1
shark$period <- period
shark$countyid <- (shark %>% group_by(state, county) %>% mutate(countyid = cur_group_id()))$countyid
shark$county_period <- (shark %>% group_by(countyid, period) %>% mutate(county_period = cur_group_id()))

## attack variables
shark$attack <- as.integer(shark$attacks > 0)

shark$attack_incparty <- shark$attack*shark$incparty
shark$eyattack <- as.integer(shark$electionyearattacks >0)
shark$eyattack_incparty <- shark$eyattack*shark$incparty

shark$attack_incumbency <- shark$attack*shark$incumbency
shark$attacks_incparty <- shark$attacks*shark$incparty
shark$reelection <- as.integer(shark$incumbency != 0)
shark$attack_reelection <- shark$attack*shark$reelection
shark$attack_reelection_incparty <- shark$attack*shark$reelection*shark$incparty

shark$eyattack_reelection <- shark$eyattack*shark$reelection
shark$eyattack_reelection_incparty <- shark$eyattack*shark$reelection*shark$incparty
```

```
# TABLE 1

# run regression
model1 = felm(
  voteshare ~  attack + attack_incparty
  | state_year + county_period | 0 | countyid,
  data = shark,
  cmethod = 'cgm2',
  exactDOF=TRUE
)

model2 = felm(
  voteshare ~  attacks + attacks_incparty
  | state_year + county_period | 0 | countyid,
  data = shark,
  cmethod = 'cgm2',
```

```
  exactDOF=TRUE
)

model3 = felm(
  voteshare ~  eyattack + eyattack_incparty
  | state_year + county_period | 0 | countyid,
  data = shark,
  cmethod = 'cgm2',
  exactDOF=TRUE
)

model4 = felm(
  voteshare ~  attack_reelection + attack_reelection_incparty
  | state_year + county_period | 0 | countyid,
  data = shark,
  cmethod = 'cgm2',
  exactDOF=TRUE
)

model5 = felm(
  voteshare ~  eyattack_reelection + eyattack_reelection_incparty
  | state_year + county_period | 0 | countyid,
  data = shark,
  cmethod = 'cgm2',
  exactDOF=TRUE
)

# install.packages("stargazer")
library(stargazer)
```

```
##
## Please cite as:

##  Hlavac, Marek (2022). stargazer: Well-Formatted Regression and Summary Statistics Tables.

##  R package version 5.2.3. https://CRAN.R-project.org/package=stargazer
```

```
# the output is a txt!
stargazer(model1,model2,model3, model4, model5, type = 'text', out = 'ExtensionTable1.txt',
          title = "Shark Regression Extension Table 1")
```

```
##
## Shark Regression Extension Table 1
## ================================================================================
##                                            Dependent variable:
##                                    ------------------------------------------
##                                                    voteshare
##                                      (1)      (2)      (3)      (4)      (5)
## --------------------------------------------------------------------------------
## attack                               0.001
##                                     (0.003)
##
```

```
## attack_incparty                  -0.005*
##                                  (0.003)
##
## attacks                                  0.002**
##                                          (0.001)
##
## attacks_incparty                         -0.0001
##                                          (0.0005)
##
## eyattack                                            -0.003
##                                                    (0.003)
##
## eyattack_incparty                                  -0.007**
##                                                    (0.003)
##
## attack_reelection                                             0.003
##                                                              (0.003)
##
## attack_reelection_incparty                                   -0.002
##                                                              (0.003)
##
## eyattack_reelection                                                    -0.001
##                                                                        (0.004)
##
## eyattack_reelection_incparty                                           -0.003
##                                                                        (0.005)
##
## ------------------------------------------------------------------------------
## Observations                     105,501 105,501  105,501  105,501 105,501
## R2                                0.939   0.939    0.939    0.939   0.939
## Adjusted R2                       0.923   0.923    0.923    0.923   0.923
## Residual Std. Error (df = 82944)  0.055   0.055    0.055    0.055   0.055
## ==============================================================================
## Note:                                        *p<0.1; **p<0.05; ***p<0.01
```

```r
# Table 2

# new vars
shark$state_coastal <- (shark %>% group_by(state, coastal) %>% mutate(state_coastal = cur_group_id()))$s

shark <- within(shark, (attackinstate = ave(attacks, state_year, FUN = max)))

shark$cattack <- shark$attackinstate*shark$coastal
shark$cattack_incparty <- shark$cattack*shark$incparty

shark <- within(shark, (attacksinstate = ave(attacks, state_year, FUN = sum)))

shark$cattacks <- shark$attacksinstate * shark$coastal
shark$cattacks_incparty <- shark$cattacks*shark$incparty

shark <- within(shark, (eyattackinstate = ave(eyattack, state_year, FUN = max)))
shark$ceyattack <- shark$eyattackinstate*shark$coastal
shark$ceyattack_incparty <- shark$ceyattack*shark$incparty
shark$cattack_reelection <- shark$cattack*shark$reelection
```

```
shark$cattack_reelection_incparty <- shark$cattack_reelection * shark$incparty
shark$ceyattack_reelection <- shark$ceyattack*shark$reelection
shark$ceyattack_reelection_incparty <- shark$ceyattack_reelection*shark$incparty

model1 = felm(
  voteshare ~  cattack + cattack_incparty
  | state_year + county_period | 0 | state_coastal,
  data = shark,
  cmethod = 'cgm2',
  exactDOF=TRUE
)

model2 = felm(
  voteshare ~  cattacks + cattacks_incparty
  | state_year + county_period | 0 | state_coastal,
  data = shark,
  cmethod = 'cgm2',
  exactDOF=TRUE
)

model3 = felm(
  voteshare ~  ceyattack + ceyattack_incparty
  | state_year + county_period | 0 | state_coastal,
  data = shark,
  cmethod = 'cgm2',
  exactDOF=TRUE
)

model4 = felm(
  voteshare ~  cattack_reelection + cattack_reelection_incparty
  | state_year + county_period | 0 | state_coastal,
  data = shark,
  cmethod = 'cgm2',
  exactDOF=TRUE
)

model5 = felm(
  voteshare ~  ceyattack_reelection + ceyattack_reelection_incparty
  | state_year + county_period | 0 | state_coastal,
  data = shark,
  cmethod = 'cgm2',
  exactDOF=TRUE
)

table2ext = stargazer(model1,model2,model3, model4, model5, type = 'text', out = 'ExtensionTable2.txt',
          title = "Shark Regression Extension Table 2")

table2ext
```