06_REI

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Contents

This document will look at coverage of Russian electoral inference (1991-2017) from Casey and Ahmad (2017) and identify variables of interest.

The cyber data comes from Casey, Adam; Way, Lucan Ahmad, 2017, "Russian Electoral Interventions, 1991-2017", https://doi.org/10.5683/SP/BYRQQS, Scholars Portal Dataverse

Preparation

Load packages

Pipe operators have trouble loading for individual commands

```
library(magrittr)
library(ggplot2)
```

Load data

```
# Load data
load(paste0(here::here(), '/inst/extdata/russian_electoral_interventions_1991-2017.RData'))
rei <- x

incident_count <- nrow(rei)
```

There are 27 DCID incidents in which Russia was an actor.

Summary statistics

Choose variables

Identify variables of interest regarding the means employed, intensity of crises, etc. These variables are all recoded, but their raw values for those that are not obvious are as follows:

```
names(rei)
```

```
##  [1] "year"              "target_state"      "target_ccode"
##  [4] "target_event"      "event_sdate"       "event_edate"
##  [7] "pro_incumbent"     "disinfo"           "coup"
## [10] "cyberattack"       "mat_support"       "outcome"
## [13] "outcome_favorable" "rus_impact"
```

```
# Rename variables for readability
rei <- rei %>% dplyr::rename('Year' = year,
                             'Target' = target_state,
                             'Target COW code' = target_ccode,
                             'Target Event' = target_event,
                             'Start Date' = event_sdate,
                             'End Date' = event_edate,
                             'Pro-incumbent' = pro_incumbent,
                             'Disinformation campaign' = disinfo,
                             'Coup attempt' = coup,
                             'Cyberattack' = cyberattack,
                             'Material support' = mat_support,
                             'Outcome' = outcome,
                             'Favorable outcome' = outcome_favorable,
                             'Evidence of impact' = rus_impact)

# Recode some variables to be more intuitive
rei$`Target Event` <- as.character(rei$`Target Event`)
rei$`Target Event` <- plyr::revalue(rei$`Target Event`, c("1" = "National Election",
                                                          "2" = "Referendum",
                                                          "3" = "Political Party Operations"))

rei$Outcome <- as.character(rei$Outcome)
rei$Outcome <- plyr::revalue(rei$Outcome, c("1" = "Incumbent victory",
                                            "2" = "Incumbent loss",
                                            "3" = "Referendum failure",
                                            "4" = "Referendum success"))
```

Summary

Make a table summarizing the data on Russian crisis participation

```
formattable::formattable(rei,
                         align = c("c", "l", "l", "c", "c", "c", "c", "c", "c", "c", "c", "c", "c", "c"
                         list('Pro-incumbent' = formattable::color_tile("transparent", "red"),
                              'Disinformation campaign' = formattable::color_tile("transparent", "red")
                              'Coup attempt' = formattable::color_tile("transparent", "red"),
                              'Cyberattack' = formattable::color_tile("transparent", "red"),
                              'Material support' = formattable::color_tile("transparent", "red"),
```

```
                                'Favorable outcome' = formattable::color_tile("transparent", "lightblue")
                                'Evidence of impact' = formattable::color_tile("transparent", "lightblue"
```

Year

Target

Target COW code

Target Event

Start Date

End Date

Pro-incumbent

Disinformation campaign

Coup attempt

Cyberattack

Material support

Outcome

Favorable outcome

Evidence of impact

2017

Czech Republic

316

National Election

10/20/2017

10/21/2017

0

1

0

1

0

Incumbent loss

2

0

2017

France

220

National Election

4/23/2017

5/7/2017

0

1

0

1

1

Incumbent victory

1

1

2017

Germany

255

National Election

11/24/2017

11/24/2017

0

1

0

1

0

Incumbent victory

1

1

2017

Malta

338

National Election

6/3/2017

6/3/2017

0

0

0

1

0

Incumbent victory

0

0

2017

Netherlands

210

National Election

3/15/2017

3/15/2017

0

1

0

0

0

Incumbent victory

1

0

2017

Spain

230

Referendum

10/1/2017

10/1/2017

0

1

0

0

0

Referendum success

0

0

2016

Austria

305

National Election

4/24/2016

4/24/2016

0

0

0

1

1

Incumbent victory

1

0

2016

Bulgaria

355

National Election

11/6/2016

11/6/2016

0

1

0

1

0

Incumbent loss

1

1

2016

Italy

325

Referendum

12/4/2016

12/4/2016

0

1

0

0

1

Referendum failure

0

0

2016

Montenegro

341

National Election

10/16/2016

10/16/2016

0

0

1

1

0

Incumbent victory

0

0

2016

Norway

385

Political Party Operations

NA

NA

0

0

0

1

0

NA

0

0

2016

Netherlands

210

Referendum

4/6/2016

4/6/2016

0

1

0

0

0

Referendum failure

1

1

2016

United Kingdom

200

Referendum

6/26/2016

6/26/2016

0

1

0

0

0

Referendum success

2

0

2016

United States

2

National Election

11/8/2016

11/8/2016

0

1

0

1

0

Incumbent loss

1

1

2015

Germany

255

Political Party Operations

NA

NA

0

0

0

1

0

NA

0

0

2015

United Kingdom

200

National Election

5/7/2015

5/7/2015

0

1

0

0

0

Incumbent victory

0

0

2014

Moldova

359

National Election

11/30/2014

11/30/2014

0

0

0

0

1

Incumbent victory

0

0

2014

Ukraine

369

National Election

5/24/2014

5/24/2014

0

1

0

1

0

Incumbent victory

0

0

2010

Ukraine

369

National Election

1/17/2010

2/14/2010

0

0

0

0

1

Incumbent loss

2

0

2009

Moldova

359

National Election

4/5/2009

4/5/2009

1

0

0

0

1

Incumbent loss

0

0

2006

Belarus

370

National Election

5/19/2006

5/19/2006

1

0

0

0

1

Incumbent victory

2

0

2005

Moldova

359

National Election

3/6/2005

3/6/2005

0

0

0

0

1

Incumbent victory

0

0

2004

Ukraine

369

National Election

10/31/2004

12/26/2004

1

0

0

0

1

Incumbent loss

0

0

2002

Ukraine

369

National Election

3/31/2002

3/31/2002

1

0

0

0

1

Incumbent loss

0

0

1996

Moldova

359

National Election

11/17/1996

11/17/1996

0

0

0

0

1

Incumbent loss

2

0

1994

Belarus

370

National Election

6/23/1994

6/23/1994

1

0

0

0

1

Incumbent loss

0

0

1994

Ukraine

369

National Election

6/26/1994

6/26/1994

0

0

0

0

1

Incumbent loss

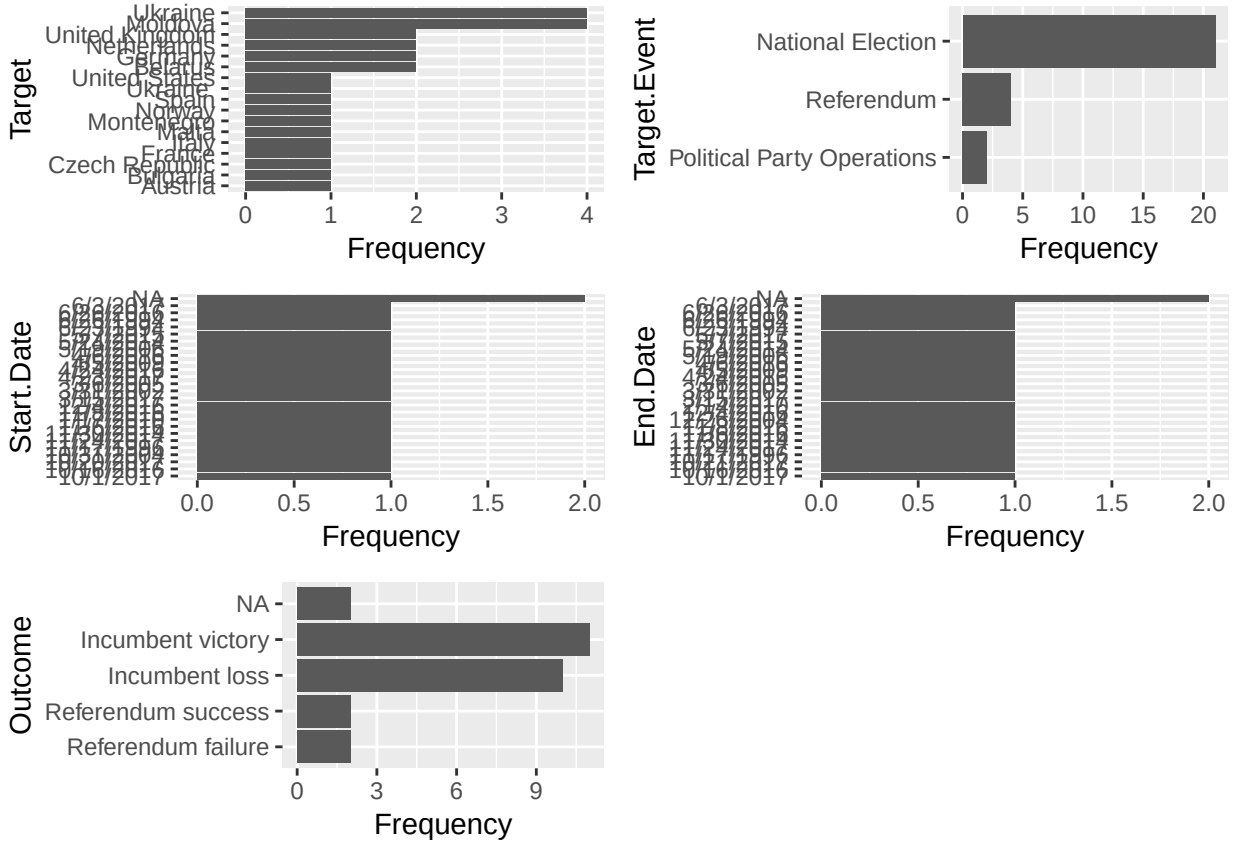
2

1

Plots

Given the number of cases, summarize them in plot format.

```
DataExplorer::plot_bar(rei)
```



Save final dataframe

```
saveRDS(rei, paste0(here::here(), "/data/","grayzone_rei.rds"))
```