Vote Brokers Replication Paper

Cristopher Patvakanian

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1 Introduction

I am replicating "Vote Brokers, Clientelist Appeals, and Voter Turnout: Evidence from Russia and Venezuela" by Timothy Frye, Ora John Reuter and David Szakonyi.

2 GitHub

All analysis for this paper be found in the original paper (https://www.cambridge.org/core/journals/world-politics/article/vote-brokers-clientelist-appeals-and-voter-turnout-evidence-from-russia-and-venezuela/ 45FE0BE1216FCD8744B02A82919B328A) and data verse (https://dataverse.harvard.edu/dataset.xhtml? persistentId=doi:10.7910/DVN/YSVMS2) My Github repo for this project is located under my username,

cpatvakanian. [^1]

3 Paper Overview

For my final replication project, I decided to look at Vote Brokers, Clientelist Appeals, and Voter Turnout: Evidence from Russia and Venezuela, a paper by Timothy Frye, Ora John Reuter and David Szakonyi. The paper looks at two countries, Russia and Venezuela, to what factors, if any, in clientelist exchange. The authors specifically look at the role of brokers and leverage in these two cases. The study uses survey data to explore Russian and Venezuelan brokers and how they perform in monitoring voting.

The goal is basically to understand how are monitors pressured by upper management in order to carry out clientelism and skew the voting. To understand this, the authors use a few models, such as difference of means between the different type of brokers and methods of leveraging, in both Russia and Venezuela. They also run fixed effect linear regressions to see what influence the skewing of the voting turnout for a couple of different scenarios, but actually include very few variables in their regression which is strange. The paper also has very specific demographics of the type of individuals they are looking at, which is good because it is specific but might also be a drawback because it limits the scope of the study. This paper ultimately finds that in Russia and Venezuela, different types of brokers and methods can influence voter turnout differently, which seems to be expected.

4 What I was able to replicate

In this paper for the most part I was able to replicate all of the graphics. The tables I couldn't use the old code to make so I hand made them, which I think is not a good idea... I also had an issue combining some of the graphs to have the same legend. I also messed up some of the footnotes on the graphics, and instead used captions. On the regression, the variable order isn't like the original, which I couldn't figure out. Also, I had a lot of trouble getting the exact format from R things like GT to Latex/PDF, so that's why I had to resort to manually doing some things.

5 Extension

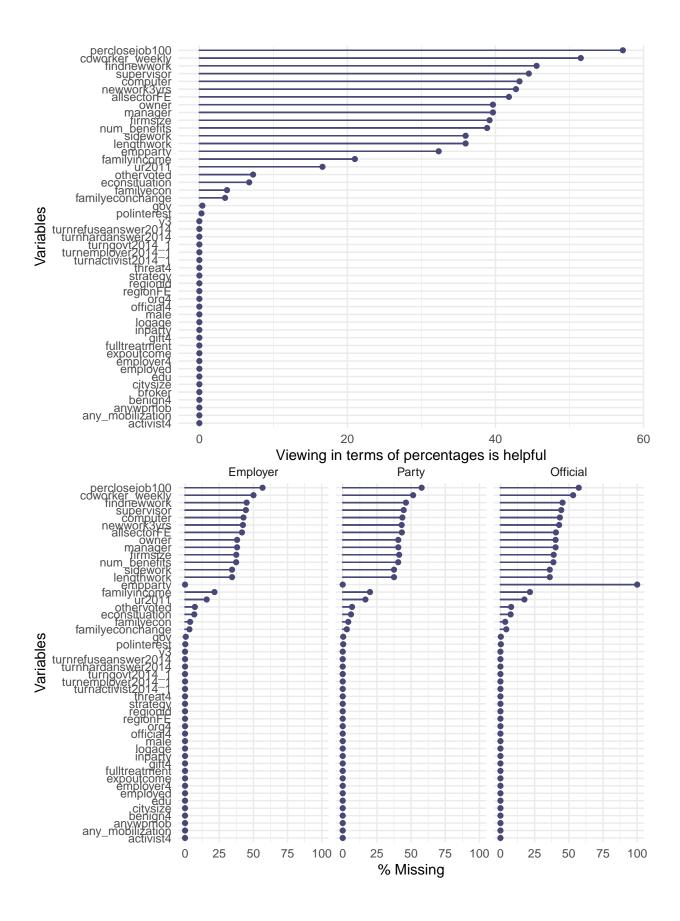
For my extension, I decided to look at data structure and missing data.

anywpmob turnemployer2014_1 turnactivist2014_1 turngovt2014_1
Min. :0.0000 Min. :0.00000 Min. :0.00000

```
1st Qu.:0.00000
##
    1st Qu.:0.0000
                                         1st Qu.:0.00000
                                                             1st Qu.:0.00000
    Median :0.0000
                     Median :0.00000
                                         Median :0.00000
                                                             Median :0.00000
##
##
    Mean
           :0.3361
                      Mean
                             :0.02973
                                         Mean
                                                 :0.04567
                                                             Mean
                                                                    :0.01832
    3rd Qu.:1.0000
                     3rd Qu.:0.00000
                                         3rd Qu.:0.00000
                                                             3rd Qu.:0.00000
##
##
           :1.0000
                             :1.00000
                                                 :1.00000
                                                                    :1.00000
    Max.
                      Max.
                                         Max.
                                                             Max.
##
##
       citysize
                    econsituation
                                     familyeconchange familyincome
                                                       Min. : 1.000
##
    Min.
           :1.000
                    Min.
                           :1.000
                                     Min. :1.000
                                     1st Qu.:3.000
    1st Qu.:2.000
                    1st Qu.:3.000
                                                       1st Qu.: 4.000
##
##
    Median :3.000
                    Median :3.000
                                     Median :3.000
                                                       Median : 6.000
    Mean
           :2.757
                           :3.029
                                           :2.964
                                                       Mean
                                                              : 5.931
##
                    Mean
                                     Mean
                                     3rd Qu.:3.000
##
    3rd Qu.:4.000
                    3rd Qu.:3.000
                                                       3rd Qu.: 8.000
##
    Max.
           :5.000
                    Max.
                            :5.000
                                     Max.
                                            :5.000
                                                       Max.
                                                              :14.000
##
                    NA's
                            :283
                                     NA's
                                           :146
                                                       NA's
                                                              :883
##
         male
                         logage
                                           edu
                                                          employed
##
    Min.
           :0.0000
                     Min.
                             :2.890
                                      Min.
                                            :1.000
                                                       Min.
                                                              :0.0000
    1st Qu.:0.0000
                      1st Qu.:3.401
                                      1st Qu.:4.000
                                                       1st Qu.:0.0000
##
    Median :0.0000
                     Median :3.761
                                      Median :6.000
                                                       Median :1.0000
##
##
    Mean
           :0.4481
                     Mean
                            :3.714
                                      Mean
                                              :5.546
                                                       Mean
                                                              :0.6403
##
    3rd Qu.:1.0000
                      3rd Qu.:4.025
                                      3rd Qu.:8.000
                                                       3rd Qu.:1.0000
##
    Max.
           :1.0000
                      Max.
                             :4.500
                                      Max.
                                              :8.000
                                                       Max.
                                                              :1.0000
##
##
                         firmsize
                                          owner
                                                           manager
         gov
##
    Min.
         :0.0000
                     Min.
                            :1.000
                                      Min.
                                              :0.0000
                                                        Min.
                                                               :0.0000
                      1st Qu.:2.000
    1st Qu.:0.0000
                                      1st Qu.:0.0000
                                                        1st Qu.:0.0000
##
                     Median :2.000
##
    Median :0.0000
                                      Median :0.0000
                                                        Median :0.0000
           :0.1923
                     Mean
                            :2.727
                                              :0.0457
                                                               :0.0788
##
    Mean
                                      Mean
                                                        Mean
                                      3rd Qu.:0.0000
    3rd Qu.:0.0000
                     3rd Qu.:4.000
##
                                                        3rd Qu.:0.0000
##
    Max.
           :1.0000
                     Max.
                            :5.000
                                      Max. :1.0000
                                                        Max.
                                                               :1.0000
                     NA's
                            :1648
                                            :1667
##
    NA's
           :17
                                      NA's
                                                        NA's
                                                               :1667
##
                    newwork3yrs
       computer
                                        sidework
                                                       polinterest
##
    Min.
           :1.00
                   Min.
                           :0.0000
                                     Min.
                                            :0.000
                                                             :1.000
    1st Qu.:1.00
                   1st Qu.:0.0000
                                     1st Qu.:0.000
                                                      1st Qu.:2.000
```

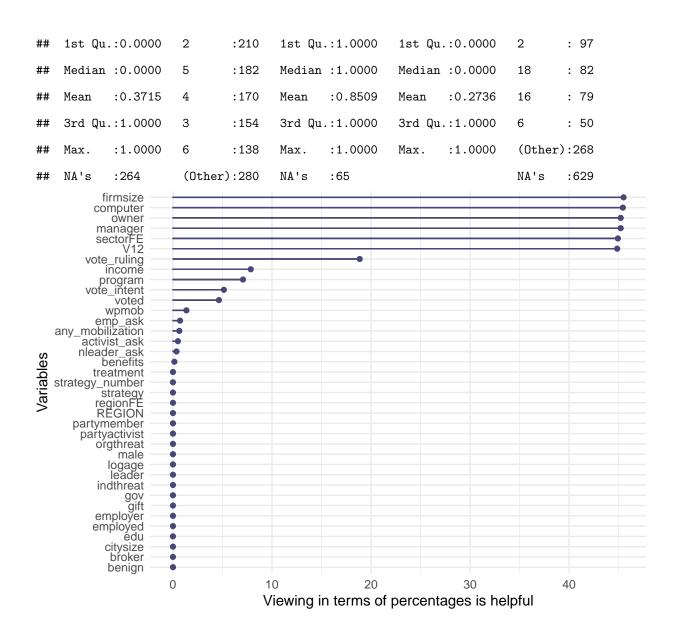
```
Median :2.00
                   Median :0.0000
                                     Median : 0.000
                                                      Median :3.000
##
           :2.34
                   Mean
                           :0.1999
                                             :0.065
                                                              :2.755
##
    Mean
                                     Mean
                                                      Mean
                                      3rd Qu.:0.000
##
    3rd Qu.:4.00
                    3rd Qu.:0.0000
                                                       3rd Qu.:3.000
    Max.
           :4.00
                   Max.
                           :1.0000
                                     Max.
                                             :1.000
                                                      Max.
                                                              :4.000
##
##
    NA's
           :1818
                    NA's
                           :1798
                                      NA's
                                             :1512
                                                      NA's
                                                              :12
                     perclosejob100
                                        findnewwork
                                                        num benefits
##
       inparty
                                                               :0.0000
##
    Min.
           :1.000
                     Min.
                            :0.0000
                                       Min.
                                              :1.000
                                                       Min.
    1st Qu.:1.000
                     1st Qu.:0.0000
                                       1st Qu.:2.000
                                                       1st Qu.:0.0000
##
    Median :1.000
                     Median :0.1000
                                      Median :3.000
                                                       Median :0.0000
##
##
    Mean
         :1.031
                     Mean
                            :0.2399
                                       Mean
                                              :2.831
                                                        Mean
                                                               :0.9728
                     3rd Qu.:0.5000
                                       3rd Qu.:4.000
##
    3rd Qu.:1.000
                                                       3rd Qu.:2.0000
           :3.000
                            :1.0000
                                              :5.000
                                                               :6.0000
##
    Max.
                     Max.
                                       Max.
                                                        Max.
##
                     NA's
                            :2405
                                       NA's
                                              :1915
                                                       NA's
                                                               :1634
                       lengthwork
##
      supervisor
                                       coworker_weekly
                                                        any_mobilization
                                              :0.0000
                     Min. : 0.500
                                                        Min.
           :1.000
                                                                :0.00000
##
    Min.
                                       Min.
##
    1st Qu.:1.000
                     1st Qu.: 2.000
                                       1st Qu.:0.0000
                                                         1st Qu.:0.00000
    Median :1.000
                     Median : 5.000
                                       Median :1.0000
                                                        Median :0.00000
##
           :1.664
                           : 8.072
                                              :0.6786
                                                                :0.08183
##
    Mean
                     Mean
                                       Mean
                                                        Mean
                     3rd Qu.:10.000
##
    3rd Qu.:2.000
                                       3rd Qu.:1.0000
                                                         3rd Qu.:0.00000
##
    Max.
           :3.000
                     Max.
                            :50.000
                                       Max.
                                              :2.0000
                                                        Max.
                                                                :1.00000
    NA's
           :1871
                     NA's
                            :1512
                                       NA's
                                              :2166
##
                                      allsectorFE
                                                    turnrefuseanswer2014
##
       regionFE
                       regionid
##
    41
           : 553
                    Min.
                           : 4.00
                                    3
                                            : 386
                                                    Min.
                                                            :0.000000
    55
                    1st Qu.:41.00
                                                    1st Qu.:0.000000
##
           : 551
                                    10
                                            : 264
                   Median :50.00
                                                    Median :0.000000
##
    50
           : 550
                                            : 237
                           :45.88
                                                            :0.001189
##
    63
           : 550
                    Mean
                                            : 227
                                                    Mean
                    3rd Qu.:55.00
           : 125
                                            : 176
                                                    3rd Qu.:0.000000
##
    5
           : 125
                           :75.00
                                    (Other):1156
##
                    Max.
                                                    Max.
                                                            :1.000000
    (Other):1750
##
                                    NA's
                                            :1758
    turnhardanswer2014
                          expoutcome
                                         strategy
                                                       broker
                                                                     employer4
##
##
    Min. :0.000000
                        Min.
                               :1.000
                                         0:1019
                                                  Employer:1434
                                                                   Min.
                                                                          :0.0000
    1st Qu.:0.000000
                        1st Qu.:2.000
                                         1:1065
                                                  Party :1411
                                                                   1st Qu.:0.0000
    Median :0.000000
                        Median :3.000
                                         2:1086
                                                  Official:1359
                                                                   Median :0.0000
##
```

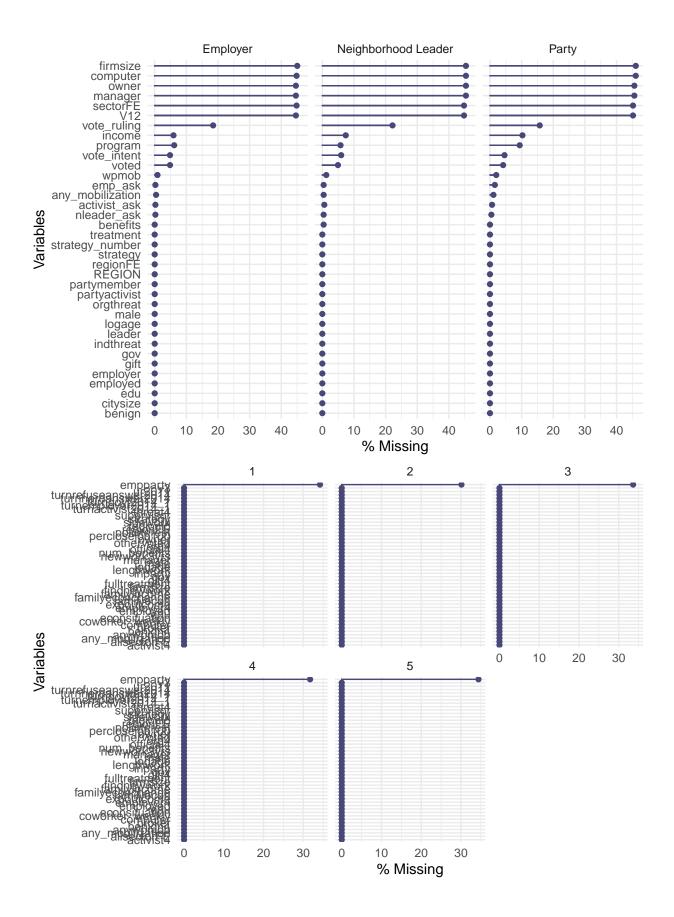
```
:0.001665
                            :2.661
##
   Mean
                     Mean
                                     3:1034
                                                             Mean
                                                                   :0.3411
   3rd Qu.:0.000000
                     3rd Qu.:3.000
                                                             3rd Qu.:1.0000
##
##
   Max.
          :1.000000
                     Max.
                            :5.000
                                                             Max.
                                                                    :1.0000
##
                     official4
##
     activist4
                                        gift4
                                                      threat4
                          :0.0000
                                    Min. :0.0000
                                                    Min. :0.000
   Min. :0.0000
                    Min.
##
##
   1st Qu.:0.0000
                    1st Qu.:0.0000
                                    1st Qu.:0.0000
                                                     1st Qu.:0.000
   Median :0.0000
                    Median :0.0000
                                    Median :0.0000
                                                    Median :0.000
##
   Mean :0.3356
                    Mean :0.3233
                                    Mean :0.2583
##
                                                    Mean :0.246
##
   3rd Qu.:1.0000
                    3rd Qu.:1.0000
                                    3rd Qu.:1.0000
                                                     3rd Qu.:0.000
##
   Max. :1.0000
                    Max. :1.0000
                                    Max. :1.0000
                                                    Max. :1.000
##
##
      benign4
                        org4
                                       empparty
                                                         fulltreatment
   Min. :0.0000
                    Min. :0.0000
                                    Min. :0.000
                                                    employer_gift: 374
##
   1st Qu.:0.0000
                    1st Qu.:0.0000
                                    1st Qu.:0.000
                                                    employer_org : 372
##
##
   Median :0.0000
                    Median :0.0000
                                    Median :1.000
                                                   party_org : 362
   Mean :0.2424
                    Mean :0.2533
##
                                    Mean :0.504
                                                   party_gift : 360
   3rd Qu.:0.0000
                    3rd Qu.:1.0000
                                    3rd Qu.:1.000
##
                                                   party_threat : 353
##
   Max.
          :1.0000
                    {\tt Max.}
                          :1.0000
                                    Max.
                                           :1.000
                                                   official_gift: 352
##
                                    NA's :1359
                                                    (Other)
                                                              :2031
       ur2011
                     othervoted
                                         vЗ
                                                   familyecon
##
##
   Min. :0.0000
                    Min. :0.000
                                   Min. :1.000
                                                   Min. :1.000
##
   1st Qu.:0.0000
                    1st Qu.:0.000
                                   1st Qu.:1.000
                                                   1st Qu.:3.000
   Median :1.0000
                    Median :1.000
                                   Median :1.000
                                                   Median :3.000
##
##
   Mean :0.5361
                    Mean :0.555
                                   Mean :1.258
                                                   Mean :3.181
                    3rd Qu.:1.000
                                   3rd Qu.:1.000
##
   3rd Qu.:1.0000
                                                   3rd Qu.:4.000
   Max.
          :1.0000
                    Max.
                         :1.000
                                   Max.
                                          :3.000
                                                   Max.
                                                        :6.000
##
   NA's
          :699
                    NA's
                         :305
                                                   NA's :157
```

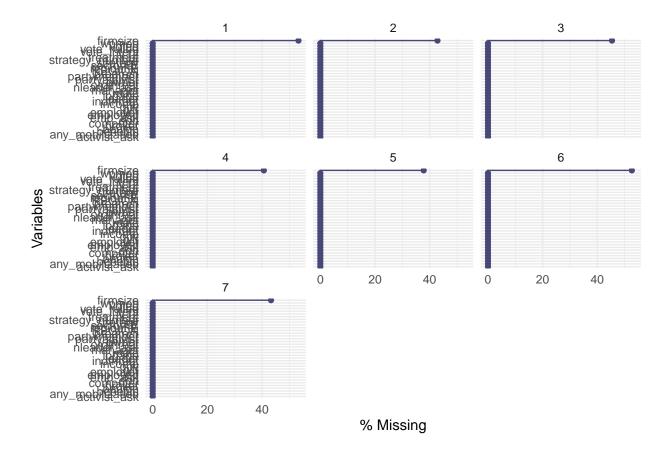


| ## | wpmob | emp_ask | activist_ask | nleader_ask |
|----|----------------|----------------|----------------|----------------|
| ## | Min. :0.0000 | Min. :0.0000 | Min. :0.0000 |) Min. :0.0000 |
| ## | 1st Qu.:0.0000 | 1st Qu.:0.0000 | 1st Qu.:0.0000 | 1st Qu.:0.0000 |
| ## | Median :0.0000 | Median :0.0000 | Median :0.0000 | Median :0.0000 |
| ## | Mean :0.2773 | Mean :0.2324 | Mean :0.2556 | Mean :0.2989 |
| ## | 3rd Qu.:1.0000 | 3rd Qu.:0.0000 | 3rd Qu.:1.0000 | 3rd Qu.:1.0000 |
| ## | Max. :1.0000 | Max. :1.0000 | Max. :1.0000 |) Max. :1.0000 |
| ## | NA's :19 | NA's :10 | NA's :7 | NA's :5 |
| ## | citysize | income | male | logage |
| ## | Min. :1.00 | Min. :1.000 | Min. :0.0000 | Min. :2.890 |
| ## | 1st Qu.:2.00 | 1st Qu.:3.000 | 1st Qu.:0.0000 | 1st Qu.:3.332 |
| ## | Median :5.00 | Median :4.000 | Median :1.0000 | Median :3.584 |
| ## | Mean :4.53 | Mean :3.977 | Mean :0.5136 | Mean :3.574 |
| ## | 3rd Qu.:7.00 | 3rd Qu.:5.000 | 3rd Qu.:1.0000 | 3rd Qu.:3.807 |
| ## | Max. :7.00 | Max. :9.000 | Max. :1.0000 | Max. :4.419 |
| ## | | NA's :110 | | |
| ## | edu | employed | gov | firmsize |
| ## | Min. :1.000 | Min. :0.0000 | Min. :0.0000 | Min. :1.00 |
| ## | 1st Qu.:3.000 | 1st Qu.:0.0000 | 1st Qu.:0.0000 | 1st Qu.:1.00 |
| ## | Median :3.000 | Median :1.0000 | Median :0.0000 | Median :2.00 |
| ## | Mean :3.422 | Mean :0.5514 | Mean :0.1943 | Mean :2.14 |
| ## | 3rd Qu.:4.000 | 3rd Qu.:1.0000 | 3rd Qu.:0.0000 | 3rd Qu.:3.00 |
| ## | Max. :5.000 | Max. :1.0000 | Max. :1.0000 | Max. :5.00 |
| ## | | | | NA's :637 |
| ## | owner | manager | computer | partymember |
| ## | Min. :0.0000 | Min. :0.0000 | Min. :1.000 | Min. :0.000 |
| ## | 1st Qu.:0.0000 | 1st Qu.:0.0000 | 1st Qu.:1.000 | 1st Qu.:0.000 |
| ## | Median :0.0000 | Median :0.0000 | Median :1.000 | Median :0.000 |
| ## | Mean :0.0326 | Mean :0.2581 | Mean :1.864 | Mean :0.165 |
| ## | 3rd Qu.:0.0000 | 3rd Qu.:0.0000 | 3rd Qu.:3.000 | 3rd Qu.:0.000 |
| ## | Max. :1.0000 | Max. :2.0000 | Max. :4.000 | Max. :1.000 |
| ## | NA's :633 | NA's :633 | NA's :636 | |
| ## | benefits | any_mobilizati | on treatment | vote_intent |

```
Min.
           :0.0000
                            :0.0000
                                      7
                                              :133
                                                     Min. :1.000
##
                     Min.
    1st Qu.:0.0000
                     1st Qu.:0.0000
                                              :132
                                                     1st Qu.:2.000
##
   Median :0.0000
                     Median :0.0000
                                              :125
                                                     Median :3.000
##
   Mean
           :0.1803
                     Mean
                            :0.4903
                                      12
                                              :124
                                                     Mean
                                                            :3.233
##
   3rd Qu.:0.0000
                     3rd Qu.:1.0000
                                       10
                                              :120
                                                     3rd Qu.:5.000
           :1.0000
                            :1.0000
                                                            :5.000
##
   Max.
                     Max.
                                       8
                                              :118
                                                     Max.
   NA's
##
           :2
                     NA's
                            :9
                                       (Other):648
                                                     NA's
                                                            :72
                       strategy_number
                                                                 employer
##
       broker
                                             strategy
                       Length: 1400
   Length: 1400
                                           Length: 1400
                                                                     :0.000
##
                                                              Min.
##
   Class :character
                       Class :character
                                           Class : character
                                                              1st Qu.:0.000
##
   Mode : character Mode : character
                                          Mode :character
                                                              Median : 0.000
##
                                                                    :0.325
                                                              Mean
##
                                                              3rd Qu.:1.000
##
                                                              Max.
                                                                      :1.000
##
##
   partyactivist
                         leader
                                            gift
                                                            benign
           :0.0000
                     Min.
                            :0.0000
                                       Min. :0.0000
                                                               :0.000
##
   Min.
                                                        Min.
   1st Qu.:0.0000
                     1st Qu.:0.0000
                                       1st Qu.:0.0000
                                                        1st Qu.:0.000
##
                                                        Median :0.000
   Median :0.0000
                     Median :0.0000
                                       Median :0.0000
##
##
   Mean
           :0.3271
                     Mean
                            :0.3479
                                       Mean :0.2471
                                                        Mean
                                                               :0.225
   3rd Qu.:1.0000
                     3rd Qu.:1.0000
                                       3rd Qu.:0.0000
                                                        3rd Qu.:0.000
##
           :1.0000
                            :1.0000
                                              :1.0000
                                                               :1.000
##
   Max.
                     Max.
                                       Max.
                                                        Max.
##
                         REGION
                                                            V12
##
      orgthreat
                                        program
           :0.0000
                            :1.000
                                                       Min. : 1.000
##
   Min.
                     Min.
                                      Min.
                                             :0.0000
    1st Qu.:0.0000
                     1st Qu.:2.000
                                      1st Qu.:0.0000
                                                       1st Qu.: 1.000
##
                     Median :4.000
   Median :0.0000
                                      Median :1.0000
                                                       Median : 2.000
##
   Mean :0.2543
                           :4.127
                                             :0.6718
                                                       Mean : 3.269
##
                     Mean
                                      Mean
##
   3rd Qu.:1.0000
                     3rd Qu.:6.000
                                      3rd Qu.:1.0000
                                                       3rd Qu.: 3.000
           :1.0000
                            :9.000
                                     Max.
                                             :1.0000
                                                              :99.000
##
   Max.
                     Max.
                                                       Max.
                                      NA's
                                             :99
##
                                                       NA's
                                                              :628
##
     vote_ruling
                        regionFE
                                        voted
                                                       indthreat
                                                                          sectorFE
##
   Min.
           :0.0000
                     1
                            :266
                                   Min.
                                           :0.0000
                                                     Min.
                                                            :0.0000
                                                                      7
                                                                              :195
```







6 Literature Review

For this paper I looked at a few papers on voting structure in Russia, as I was able to find less on Venezuela. In "How Capitalism was Built", by Anders Aslund, the literature suggests that in many post soviet countries, voting patterns were heavily influenced by the transition to democracy in institutions built. In Russia, the case was that there was not enough a big push to transform after communism, and thus the country had to face more difficulties in long term in ensuring fair and free elections. Additionally, in Olga Popova's "Corruption, Voting and Employment Status: Evidence from Russian Parliamentary Elections", Popova finds that controlling for different employment statuses and corruption, people are stil likely to vote differently, and more corruption generally induces people to vote more, which I think is to expected.

7 References

I make use of Aslund (2012), Popova (2010), and Frye, Reuter, and Szakonyi (2019).

Aslund, Anders. 2012. How Capitalism Was Built: The Transformation of Central and Eastern Europe, Russia, the Caucasus, and Central Asia. 2nd ed. Cambridge University Press. https://doi.org/10.1017/

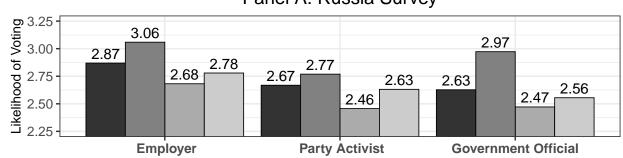
CBO9781139207850.

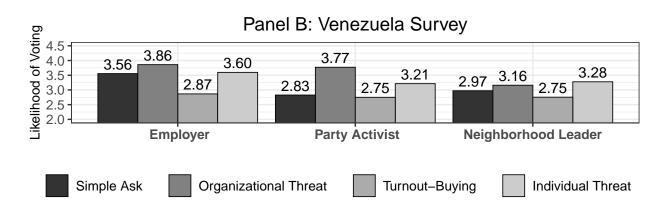
Frye, Timothy, Ora John Reuter, and David Szakonyi. 2019. "Vote Brokers, Clientelist Appeals, and Voter Turnout: Evidence from Russia and Venezuela." World Politics 71 (4). Cambridge University Press: 710–46. https://doi.org/10.1017/S0043887119000078.

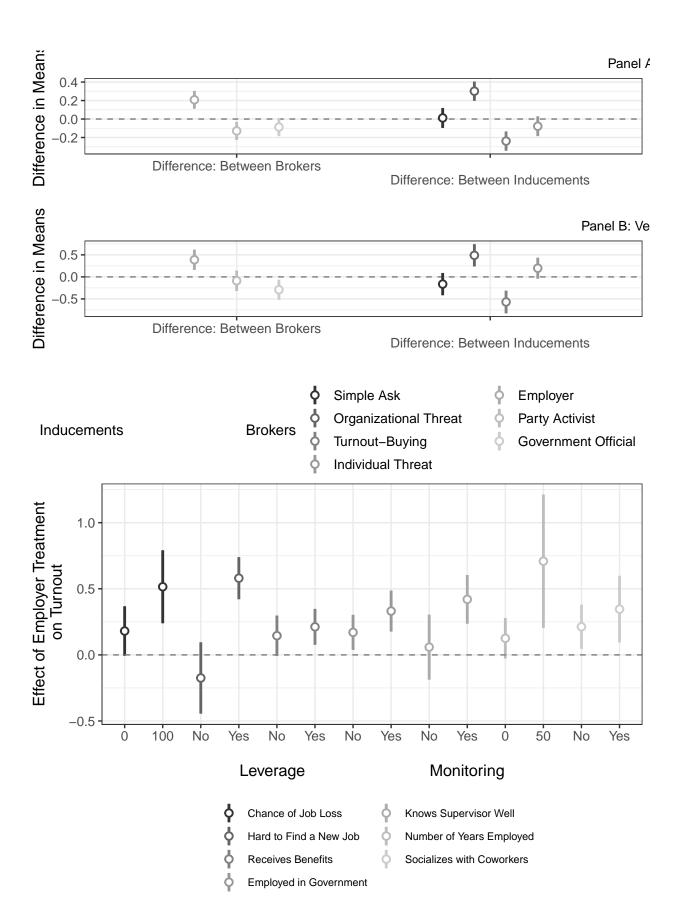
Popova, Olga. 2010. "Corruption, Voting and Employment Status: Evidence from Russian Parliamentary Elections." SSRN Electronic Journal.

8 Appendix









Asked You to Vote

Your Employer 344

A Party Activist 336 A Government Official 339

Indicates There Will be Negative Consequences For You If You Do Not Vote

Your Employer 344

A Party Activist 353 A Government Official 337

Offers You a Gift, Money, or Reward for Voting

Your Employer 374

A Party Activist 360 A Government Official 352

Tells You That Your Firm or Org. Will Suffer if Turnout Among Employees is Low Your Employer 372

A Party Activist 362 A Government Official 331

| Broker | Asked You to Vote | Indicates There Will be Negative Consequences For You If You Do Not | Vo |
|------------------------|-------------------|---|----|
| Your Employer | 344 | | 34 |
| A Party Activist | 336 | | 3 |
| A Neighborhood Leader | 339 | | 3; |

Table 1: Survey Coverage

Russian Survey (a)

| Broker | Asked You to Vote | Indicates There | Offers You a Gift, | Tells You That | | | | | |
|------------------------------|-------------------|-------------------|--------------------|-------------------|--|--|--|--|--|
| | | Will be Negative | Money, or Reward | Your Firm or Org. | | | | | |
| | | Consequences For | for Voting | Will Suffer if | | | | | |
| | | You If You Do Not | | Turnout Among | | | | | |
| | | Vote | | Employees is Low | | | | | |
| Your Employer | 344 | 344 | 374 | 372 | | | | | |
| A Party Activist | 336 | 353 | 360 | 362 | | | | | |
| A Neighborhood | 339 | 337 | 352 | 331 | | | | | |
| Leader Venezuelan Survey (b) | | | | | | | | | |
| Broker | Asked You to Vote | Indicates There | Offers You a Gift, | Tells You That | | | | | |
| | | Will be Negative | Money, or Reward | Your Firm or Org. | | | | | |
| | | Consequences For | for Voting | Will Suffer if | | | | | |
| | | You If You Do Not | | Turnout Among | | | | | |
| | | Vote | | Employees is Low | | | | | |
| Your Employer | 96 | 132 | 113 | 114 | | | | | |
| A Party Activist | 94 | 133 | 113 | 118 | | | | | |
| A Neighborhood | 125 | 118 | 120 | 124 | | | | | |
| Leader | | | | | | | | | |

Table 2: Substantive Effects: Predicted Probabilities by Broker Treatment

Probability of Voting (%)

(a)

| | Russia | Venezuela |
|---------------------|--------|-----------|
| Employer | 28.6 | 54.2 |
| Party Activist | 22.5 | 44.9 |
| Government Official | 23.1 | |
| Neighborhood Leader | | 40.9 |

Probability of Not Voting (%)

(b)

| | Russia | Venezuela |
|---------------------|--------|-----------|
| Employer | 35.7 | 24.4 |
| Party Activist | 43.5 | 32.1 |
| Government Official | 42.7 | |
| Neighborhood Leader | | 35.7 |

Table 1: Table 3

| _ | | | Dep | pendent u | variable: | | |
|--------------------------|-------------------------------|---------------------|---------------------|-----------------|--------------------|--------------------|-----------------|
| | Outcome Respondent Would Vote | | | | | | |
| | | Leve | rage | | | Monitori | ng |
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) |
| empparty:gov | | | | 0.155** (0.065) | | | |
| empparty:perclosejob100 | 0.252** (0.126) | | | | | | |
| empparty:findnewwork | | 0.087*** (0.031) | | | | | |
| empparty:num_benefits | | | 0.057^* (0.033) | | | | |
| empparty:supervisor | | | | | 0.105** (0.051) | | |
| empparty:lengthwork | | | | | | 0.012** (0.006) | |
| empparty:coworker_weekly | | | | | | | 0.042 (0.059) |
| Observations | 10,324 | 10,647 | 10,839 | 10,921 | 10,682 | 10,921 | 10,504 |

Note:

*p<0.1; **p<0.05; ***p<0.01

The outcome variable is the willingness to turnout outcome (fivepoint scale) from the survey experiment. The sample includes only respondents who received the employer or political party broker treatment. The employer treatment collapses the data along the inducement treatment arm of the factorial design used in the experiment. The sample is limited to only those who are employed. Chance of job loss measures the probability a respondent believes he or she will lose his or her job in the next twelve months. Hard to find a new job uses a five-point scale to capture the likelihood that if he or she were to lose his or her job, a respondent could find a similar one; higher values indicate more difficulty. Receives benefits captures the number of in-kind benefits (health care, education, transportation sub-sidies, etc.) respondents received from their employer. Higher values on the three-point scale used in knows supervisor well indicate better familiarity with one's boss. Number of years employed measures the length of time at one's work. Socializes with coworkers captures whether respondents spend time with colleagues outside work. All models include the constituent terms and basic demographic characteristics (gender, age, education, size of settlement, and an indicator for government employment). Models are estimated via ols and cluster errors at the region level.

TABLE 3
EXAMINING MECHANISMS: RUSSIA SURVEY EXPERIMENT ^a

| | Outcome: Respondent Would Vote | | | | | | | |
|---------------------------|--------------------------------|----------|---------|---------|------------|---------|---------|--|
| | Leverage | | | | Monitoring | | | |
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) | |
| Employer treatment * | 0.360** | | | | | | | |
| Chance of job loss | (0.167) | | | | | | | |
| Employer treatment * | | 0.156*** | | | | | | |
| Hard to find a new job | | (0.038) | | | | | | |
| Employer treatment * | | | 0.070** | | | | | |
| Receives benefits | | | (0.036) | | | | | |
| Employer treatment * | | | | 0.166** | | | | |
| Employed in government | | | | (0.072) | | | | |
| Employer treatment * | | | | | 0.119** | | | |
| Knows supervisor well | | | | | (0.059) | | | |
| Employer treatment * | | | | | | 0.012** | | |
| Number of years employed | | | | | | (0.006) | | |
| Employer treatment * | | | | | | | 0.063 | |
| Socializes with coworkers | | | | | | | (0.076) | |
| Constituent terms | yes | yes | yes | yes | yes | yes | yes | |
| Demographics | yes | yes | yes | yes | yes | yes | yes | |
| Observations | 1209 | 1532 | 1724 | 1806 | 1567 | 1806 | 1389 | |

^{****}p < 0.01, ***p < 0.05, *p < 0.1

a The outcome variable is the willingness to turnout outcome (five-point scale) from the survey experiment. The sample includes only respondents who received the employer or political party broker treatment. The employer treatment collapses the data along the inducement treatment arm of the factorial design used in the experiment. The sample is limited to only those who are employed. Chance of job loss measures the probability a respondent believes he or she will lose his or her job in the next twelve months. Hard to find a new job uses a five-point scale to capture the likelihood that if he or she were to lose his or her job, a respondent could find a similar one; higher values indicate more difficulty. Receives benefits captures the number of in-kind benefits (health care, education, transportation subsidies, etc.) respondents received from their employer. Higher values on the three-point scale used in knows supervisor well indicate better familiarity with one's boss. Number of years employed measures the length of time at one's work. Socializes with coworkers captures whether respondents spend time with colleagues outside work. All models include the constituent terms and basic demographic characteristics (gender, age, education, size of settlement, and an indicator for government employment). Models are estimated via OLS and cluster errors at the region level.

[^1]: [(https://github.com/cpatvakanian/milestone_6)]