Data Analysis

Multivariate regression for the Speaker Corpus, U.S.-conducted in May 2022

```
## Loading required package: zoo
```

```
##
## Attaching package: 'zoo'
```

```
## The following objects are masked from 'package:base':
##
##     as.Date, as.Date.numeric
```

```
##
## Please cite as:
```

```
##  Hlavac, Marek (2018). stargazer: Well-Formatted Regression and Summary Statisti
cs Tables.
```

```
##  R package version 5.2.2. https://CRAN.R-project.org/package=stargazer
```

```
## ── Attaching packages ─────────────────────────────────────── tidyverse 1.3.0 ─
─
```

```
## ✓ ggplot2 3.3.3     ✓ purrr   0.3.4
## ✓ tibble  3.0.6     ✓ dplyr   1.0.4
## ✓ tidyr   1.1.2     ✓ stringr 1.4.0
## ✓ readr   1.4.0     ✓ forcats 0.5.1
```

```
## ── Conflicts ────────────────────────────────────────── tidyverse_conflicts() ─
─
## x dplyr::between() masks plm::between()
## x dplyr::filter()  masks stats::filter()
## x dplyr::lag()     masks plm::lag(), stats::lag()
## x dplyr::lead()    masks plm::lead()
```

```
##   X            speaker gender      state house_of_rep party Dominant_Topic
## 1 0       Nancy Pelosi      1 California            1     1              0
## 2 1     Jerry McNerney      0 California            1     1              0
## 3 2 Michael C. Burgess      0      Texas            1     0              0
## 4 3        Darren Soto      0    Florida            1     1              1
## 5 4       Debbie Lesko      1    Arizona            1     0              1
## 6 5    Debbie Stabenow      1   Michigan            0     1              1
##        Dominant_topic prev_nat_sec prev_econ military_heavy
## 1   National_security       0.6889    0.3111              1
## 2   National_security       0.6867    0.3133              1
## 3   National_security       0.7587    0.2413              1
## 4 Domestic_us_economy       0.4835    0.5165              1
## 5 Domestic_us_economy       0.4842    0.5158              0
## 6 Domestic_us_economy       0.2060    0.7940              0
```

1 Check states

How many states does this dataset contain?

```
## [1] "number of states:"
```

```
## [1] 34
```

2 Standardise DV

Constructing percentage version of the prevalence scores

```
##     X                speaker gender               state house_of_rep party
## 1   0            Nancy Pelosi      1          California            1     1
## 2   1          Jerry McNerney      0          California            1     1
## 3   2      Michael C. Burgess      0               Texas            1     0
## 4   3             Darren Soto      0             Florida            1     1
## 5   4            Debbie Lesko      1             Arizona            1     0
## 6   5         Debbie Stabenow      1            Michigan            0     1
## 7   6    Janice D. Schakowsky      1            Illinois            1     1
## 8   7             Fred Keller      0        Pennsylvania            1     0
## 9   8           Jay Obernolte      0          California            1     0
## 10  9              Gwen Moore      1           Wisconsin            1     1
## 11 10          Randy K. Weber      0               Texas            1     0
## 12 11          Louie Gohmert      0               Texas            1     0
## 13 12               Tom Cole      0            Oklahoma            1     0
## 14 13        Susan M. Collins      1               Maine            0     0
## 15 14            Marcy Kaptur      1                Ohio            1     1
## 16 15            Zoe Lofgren      1          California            1     1
## 17 16           Scott Peters      0          California            1     1
## 18 17      Donald Edwin Young      0              Alaska            0     0
## 19 18          Michael Bennet      0            Colorado            0     1
```

```
##    20 19          Cynthia Lummis      1              Wyoming             1     0
##    21 20             French Hill      0             Arkansas             1     0
##    22 21            Jared Golden      0                Maine             1     1
##    23 22            Joe Courtney      0          Connecticut             1     1
##    24 23         Patrick McHenry      0       North Carolina             1     0
##    25 24           Gregory Meeks      0             New York             1     1
##    26 25     Raja Krishnamoorthi      0             Illinois             1     1
##    27 26           Rick Crawford      0             Arkansas             1     0
##    28 27         Donald Norcross      0           New Jersey             1     1
##    29 28             Robin Kelly      1             Illinois             1     1
##    30 29             Kat Cammack      1              Florida             1     0
##    31 30              Pat Fallon      0                Texas             1     0
##    32 31           Kathy Manning      1       North Carolina             1     1
##    33 32              Jon Tester      0              Montana             0     1
##    34 33          Chuck Grassley      0                Iaowa             0     0
##    35 34         Brenda Lawrence      1             Michigan             1     1
##    36 35              Tom Cotton      0             Arkansas             0     0
##    37 36         Mitch McConnell      0             Kentucky             0     0
##    38 37               Ben Sasse      0             Nebraska             0     0
##    39 38          Vicky Hartzler      1             Missouri             1     0
##    40 39        Stephanie Murphy      1              Florida             1     1
##    41 40              Trent Kelly      0          Mississippi             1     0
##    42 41      James Edward Banks       0              Indiana             1     0
##    43 42       Donald John Bacon       0             Nebraska             1     0
##    44 43          Stephanie Bice      1             Oklahoma             1     0
##    45 44        Scott DesJarlais      0            Tennessee             1     0
##    46 45              Matt Gaetz      0              Florida             1     0
##    47 46           Frank Pallone      0           New Jersey             1     1
##    48 47           Gus Bilirakis      0              Florida             1     0
##    49 48          Eleanor Norton      1 District of Columbia             1     1
##    50 49   Eddie Bernice Johnson      1                Texas             0     1
##    51 50             Frank Lucas      0             Oklahoma             1     0
##    52 51      Sheila Jackson Lee      1                Texas             1     1
##    53 52          James Langevin      0         Rhode Island             1     1
##    54 53             Tom Tiffany      0            Wisconsin             1     0
##    55 54             Mike Turner      0                 Ohio             1     0
##    56 55           Roger Wicker       0          Mississippi             0     0
##    57 56           Dan Sullivan       0               Alaska             0     0
##    58 57              Jack Reed       0         Rhode Island             0     1
##    59 58             Adam Smith       0           Washington             1     1
##    60 59          Ronny Jackson       0                Texas             1     0
##    61 60             Mike Garcia      0           California             1     0
##    62 61 Jennifer Gonzalez-Colon      1          Puerto Rico             1     0
##    63 62        Tommy Tuberville      0              Alabama             0     0
##    64 63              Jim Inhofe      0             Oklahoma             0     0
##    65 64             John Cornyn      0                Texas             0     0
##    66 65             John Thune       0         South Dakota             0     0
##    67 66             Mike Rogers      0              Alabama             1     0
##    68 67           Doug Lamborn       0             Colorado             1     0
##    69 68          John Garamendi      0           California             1     1
##    70 69             Rob Wittman      0             Virginia             1     0
```

```
## 71 70           Jackie Speier      1           California             1     1
## 72 71               Rand Paul      0             Kentucky             0     0
## 73 72           Ruben Gallego      0              Arizona             1     1
## 74 73          Mike Gallagher      0            Wisconsin             1     0
## 75 74             Marco Rubio      0              Florida             0     0
## 76 75           Chuck Schumer      0             New York             0     1
## 77 76         Marsha Blackburn      1            Tennessee             0     0
## 78 77           Maria Cantwell      1           Washington             0     1
## 79 78              Dick Durbin      0             Illinois             0     1
##    Dominant_Topic      Dominant_topic prev_nat_sec prev_econ military_heavy
## 1               0   National_security       0.6889    0.3111              1
## 2               0   National_security       0.6867    0.3133              1
## 3               0   National_security       0.7587    0.2413              1
## 4               1 Domestic_us_economy       0.4835    0.5165              1
## 5               1 Domestic_us_economy       0.4842    0.5158              0
## 6               1 Domestic_us_economy       0.2060    0.7940              0
## 7               0   National_security       0.5046    0.4954              0
## 8               0   National_security       0.5122    0.4878              0
## 9               0   National_security       0.5541    0.4459              1
## 10              1 Domestic_us_economy       0.4548    0.5452              0
## 11              1 Domestic_us_economy       0.2734    0.7266              1
## 12              0   National_security       0.6786    0.3214              1
## 13              1 Domestic_us_economy       0.4815    0.5185              0
## 14              1 Domestic_us_economy       0.4395    0.5605              0
## 15              1 Domestic_us_economy       0.4958    0.5042              0
## 16              1 Domestic_us_economy       0.4487    0.5513              1
## 17              1 Domestic_us_economy       0.3017    0.6983              1
## 18              1 Domestic_us_economy       0.3459    0.6541              0
## 19              0   National_security       0.5373    0.4627              0
## 20              1 Domestic_us_economy       0.2440    0.7560              0
## 21              0   National_security       0.5192    0.4808              0
## 22              0   National_security       0.7246    0.2754              0
## 23              0   National_security       0.6594    0.3406              0
## 24              0   National_security       0.6453    0.3547              1
## 25              0   National_security       0.6239    0.3761              0
## 26              1 Domestic_us_economy       0.4202    0.5798              0
## 27              0   National_security       0.6247    0.3753              0
## 28              0   National_security       0.7104    0.2896              0
## 29              0   National_security       0.6312    0.3688              0
## 30              0   National_security       0.5813    0.4187              1
## 31              0   National_security       0.6040    0.3960              1
## 32              0   National_security       0.6336    0.3664              1
## 33              0   National_security       0.5760    0.4240              0
## 34              1 Domestic_us_economy       0.4511    0.5489              0
## 35              0   National_security       0.6830    0.3170              0
## 36              0   National_security       0.5731    0.4269              0
## 37              1 Domestic_us_economy       0.4370    0.5630              0
## 38              1 Domestic_us_economy       0.3830    0.6170              0
## 39              0   National_security       0.7231    0.2769              0
## 40              0   National_security       0.7009    0.2991              1
## 41              0   National_security       0.6612    0.3388              0
```

```
## 42              0   National_security       0.5926    0.4074              0
## 43              0   National_security       0.6052    0.3948              0
## 44              0   National_security       0.6691    0.3309              0
## 45              0   National_security       0.6056    0.3944              0
## 46              0   National_security       0.5919    0.4081              1
## 47              0   National_security       0.7619    0.2381              0
## 48              0   National_security       0.6704    0.3296              1
## 49              0   National_security       0.5787    0.4213              0
## 50              1 Domestic_us_economy       0.2916    0.7084              1
## 51              1 Domestic_us_economy       0.3114    0.6886              0
## 52              0   National_security       0.7681    0.2319              1
## 53              0   National_security       0.5494    0.4506              0
## 54              1 Domestic_us_economy       0.4294    0.5706              0
## 55              0   National_security       0.7137    0.2863              0
## 56              1 Domestic_us_economy       0.3373    0.6627              0
## 57              1 Domestic_us_economy       0.2669    0.7331              0
## 58              0   National_security       0.6572    0.3428              0
## 59              0   National_security       0.8347    0.1653              0
## 60              0   National_security       0.7041    0.2959              1
## 61              0   National_security       0.6333    0.3667              1
## 62              0   National_security       0.7448    0.2552              0
## 63              0   National_security       0.8389    0.1611              0
## 64              0   National_security       0.5221    0.4779              0
## 65              1 Domestic_us_economy       0.3050    0.6950              1
## 66              0   National_security       0.5391    0.4609              0
## 67              0   National_security       0.7666    0.2334              0
## 68              0   National_security       0.7424    0.2576              0
## 69              0   National_security       0.8564    0.1436              1
## 70              0   National_security       0.6814    0.3186              1
## 71              0   National_security       0.7599    0.2401              1
## 72              1 Domestic_us_economy       0.1522    0.8478              0
## 73              0   National_security       0.7609    0.2391              0
## 74              0   National_security       0.7197    0.2803              0
## 75              1 Domestic_us_economy       0.1893    0.8107              1
## 76              1 Domestic_us_economy       0.3001    0.6999              0
## 77              1 Domestic_us_economy       0.4567    0.5433              0
## 78              1 Domestic_us_economy       0.1188    0.8812              0
## 79              1 Domestic_us_economy       0.2049    0.7951              0
##    nat_sec_per econ_per
## 1        68.89    31.11
## 2        68.67    31.33
## 3        75.87    24.13
## 4        48.35    51.65
## 5        48.42    51.58
## 6        20.60    79.40
## 7        50.46    49.54
## 8        51.22    48.78
## 9        55.41    44.59
## 10       45.48    54.52
## 11       27.34    72.66
## 12       67.86    32.14
```

```
## 13       48.15    51.85
## 14       43.95    56.05
## 15       49.58    50.42
## 16       44.87    55.13
## 17       30.17    69.83
## 18       34.59    65.41
## 19       53.73    46.27
## 20       24.40    75.60
## 21       51.92    48.08
## 22       72.46    27.54
## 23       65.94    34.06
## 24       64.53    35.47
## 25       62.39    37.61
## 26       42.02    57.98
## 27       62.47    37.53
## 28       71.04    28.96
## 29       63.12    36.88
## 30       58.13    41.87
## 31       60.40    39.60
## 32       63.36    36.64
## 33       57.60    42.40
## 34       45.11    54.89
## 35       68.30    31.70
## 36       57.31    42.69
## 37       43.70    56.30
## 38       38.30    61.70
## 39       72.31    27.69
## 40       70.09    29.91
## 41       66.12    33.88
## 42       59.26    40.74
## 43       60.52    39.48
## 44       66.91    33.09
## 45       60.56    39.44
## 46       59.19    40.81
## 47       76.19    23.81
## 48       67.04    32.96
## 49       57.87    42.13
## 50       29.16    70.84
## 51       31.14    68.86
## 52       76.81    23.19
## 53       54.94    45.06
## 54       42.94    57.06
## 55       71.37    28.63
## 56       33.73    66.27
## 57       26.69    73.31
## 58       65.72    34.28
## 59       83.47    16.53
## 60       70.41    29.59
## 61       63.33    36.67
## 62       74.48    25.52
## 63       83.89    16.11
```

```
## 64       52.21    47.79
## 65       30.50    69.50
## 66       53.91    46.09
## 67       76.66    23.34
## 68       74.24    25.76
## 69       85.64    14.36
## 70       68.14    31.86
## 71       75.99    24.01
## 72       15.22    84.78
## 73       76.09    23.91
## 74       71.97    28.03
## 75       18.93    81.07
## 76       30.01    69.99
## 77       45.67    54.33
## 78       11.88    88.12
## 79       20.49    79.51
```

3 Regressions

3.1 OLS

Run a full model with all state individual effects and a model excluding states and checking the effect of a state being one of the states with the most active and reserve military members

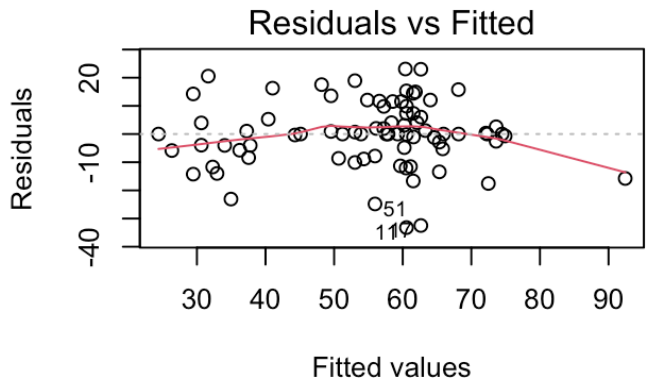
```
##
## Call:
## lm(formula = nat_sec_per ~ party + gender + house_of_rep + (state),
##     data = usa_reg)
##
## Residuals:
##     Min      1Q  Median      3Q     Max
## -33.205  -5.797   0.000   7.338  23.083
##
## Coefficients:
##                           Estimate Std. Error t value Pr(>|t|)
## (Intercept)                 68.120     11.576   5.885 5.82e-07 ***
## party                        2.417      6.279   0.385  0.70228
## gender                      -1.114      5.427  -0.205  0.83840
## house_of_rep                24.309      5.199   4.676 3.03e-05 ***
## stateAlaska                -37.480     16.163  -2.319  0.02534 *
## stateArizona               -30.826     16.527  -1.865  0.06916 .
## stateArkansas              -27.093     14.589  -1.857  0.07031 .
## stateCalifornia            -32.203     13.622  -2.364  0.02278 *
## stateColorado              -17.498     16.259  -1.076  0.28796
## stateConnecticut           -28.906     20.673  -1.398  0.16938
## stateDistrict of Columbia  -35.863     20.834  -1.721  0.09254 .
## stateFlorida               -35.191     13.340  -2.638  0.01165 *
## stateIaowa                 -23.010     19.710  -1.167  0.24962
## stateIllinois              -44.190     15.067  -2.933  0.00542 **
## stateIndiana               -33.170     19.710  -1.683  0.09982 .
```

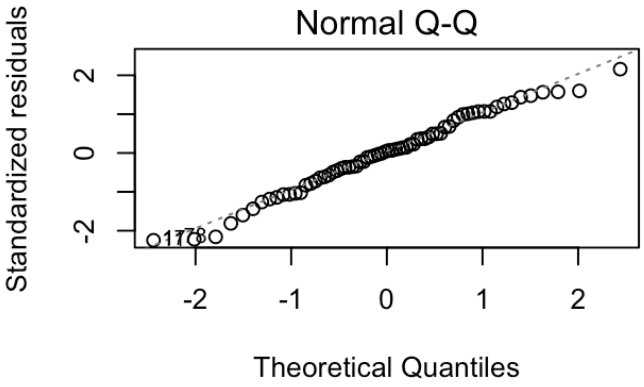
```
## stateKentucky               -38.660     16.163  -2.392  0.02132 *
## stateMaine                  -22.721     16.290  -1.395  0.17040
## stateMichigan               -37.128     17.261  -2.151  0.03728 *
## stateMississippi            -30.350     15.953  -1.902  0.06398 .
## stateMissouri               -19.006     20.508  -0.927  0.35934
## stateMontana                -12.937     20.699  -0.625  0.53535
## stateNebraska               -30.865     15.953  -1.935  0.05977 .
## stateNew Jersey             -21.231     17.325  -1.226  0.22721
## stateNew York               -36.492     17.144  -2.129  0.03920 *
## stateNorth Carolina         -29.136     16.527  -1.763  0.08519 .
## stateOhio                   -32.606     16.527  -1.973  0.05512 .
## stateOklahoma               -36.471     13.954  -2.614  0.01238 *
## statePennsylvania           -41.210     19.710  -2.091  0.04264 *
## statePuerto Rico            -16.836     20.508  -0.821  0.41630
## stateRhode Island           -22.362     17.144  -1.304  0.19922
## stateSouth Dakota           -14.210     19.710  -0.721  0.47493
## stateTennessee              -26.603     16.182  -1.644  0.10764
## stateTexas                  -31.884     12.795  -2.492  0.01674 *
## stateVirginia               -24.290     19.710  -1.232  0.22468
## stateWashington             -34.460     16.987  -2.029  0.04888 *
## stateWisconsin              -39.401     14.979  -2.630  0.01187 *
## stateWyoming                -66.916     20.508  -3.263  0.00219 **
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 15.95 on 42 degrees of freedom
## Multiple R-squared:  0.5731, Adjusted R-squared:  0.2073
## F-statistic: 1.566 on 36 and 42 DF,  p-value: 0.08093
```

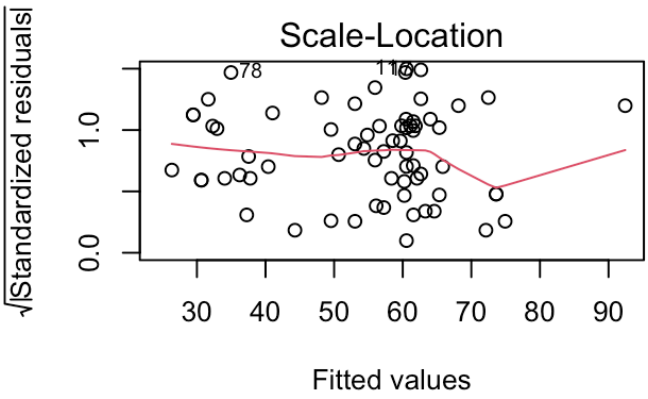
```
##
## Call:
## lm(formula = nat_sec_per ~ party + gender + house_of_rep + military_heavy,
##     data = usa_reg)
##
## Residuals:
##     Min      1Q  Median      3Q     Max
## -33.901  -9.557   2.089  10.452  43.753
##
## Coefficients:
##                Estimate Std. Error t value Pr(>|t|)
## (Intercept)      40.137      3.465  11.583  < 2e-16 ***
## party             2.139      3.653   0.586    0.560
## gender           -4.930      3.971  -1.242    0.218
## house_of_rep     22.007      3.925   5.607 3.36e-07 ***
## military_heavy   -0.903      3.810  -0.237    0.813
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 15.22 on 74 degrees of freedom
## Multiple R-squared:  0.3154, Adjusted R-squared:  0.2784
## F-statistic: 8.523 on 4 and 74 DF,  p-value: 1.033e-05
```

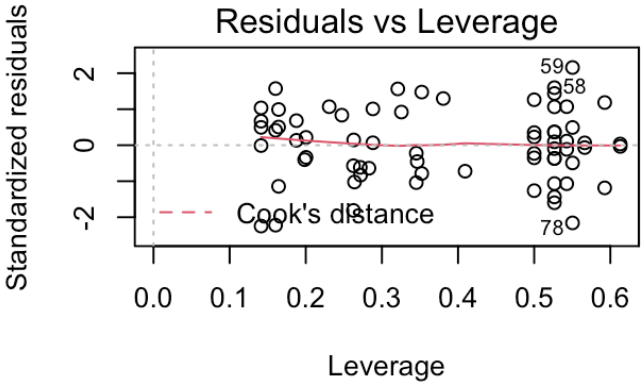
3.2 Run regression diagnostics on full model

```
## Warning: not plotting observations with leverage one:
##   8, 20, 23, 33, 34, 39, 42, 49, 62, 66, 70
```

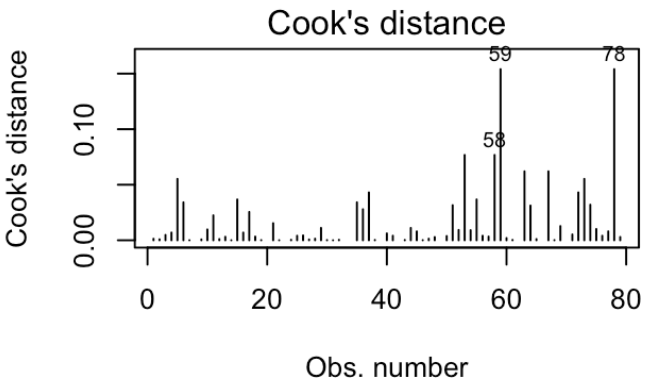


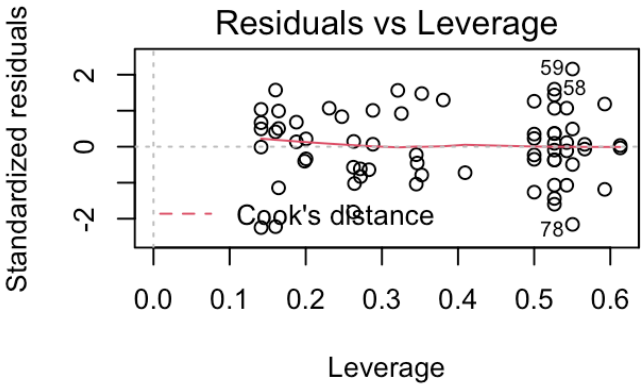







```
## Warning: not plotting observations with leverage one:
##   8, 20, 23, 33, 34, 39, 42, 49, 62, 66, 70
```





3.3 Fixed effects model

```
## Oneway (individual) effect Within Model
##
## Call:
## plm(formula = nat_sec_per ~ party + house_of_rep + gender + factor(state),
##     data = usa_reg, model = "within", index = "state")
##
## Unbalanced Panel: n = 34, T = 1-8, N = 79
##
## Residuals:
##     Min.  1st Qu.   Median  3rd Qu.     Max.
## -33.2054  -5.7966   0.0000   7.3376  23.0835
##
## Coefficients:
##              Estimate Std. Error t-value Pr(>|t|)
## party          2.4166     6.2789  0.3849   0.7023
## house_of_rep  24.3094     5.1992  4.6756 3.03e-05 ***
## gender        -1.1136     5.4267 -0.2052   0.8384
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Total Sum of Squares:    16372
## Residual Sum of Squares: 10689
## R-Squared:      0.34712
## Adj. R-Squared: -0.21249
## F-statistic: 7.44353 on 3 and 42 DF, p-value: 0.00041728
```

```
## [1] "/Users/charlottekaiser/Documents/uni/Hertie/master_thesis/10_code/10_analys
is"
```

```
## [1] "/Users/charlottekaiser/Documents/uni/Hertie/master_thesis/20_results/10_ana
lysis/LDA_speaking-points"
```

4 Save table output

```
##
## <table style="text-align:center"><caption><strong>Multivariate OLS Regressions f
or topic 'National security'</strong></caption>
## <tr><td colspan="4" style="border-bottom: 1px solid black"></td></tr><tr><td sty
le="text-align:left"></td><td colspan="3"></td></tr>
## <tr><td style="text-align:left"></td><td>OLS</td><td>panel</td><td>OLS</td></tr>
## <tr><td style="text-align:left"></td><td></td><td>linear</td><td></td></tr>
## <tr><td style="text-align:left"></td><td>Military heavy</td><td>Fixed effects</t
d><td>Individual state effects</td></tr>
## <tr><td style="text-align:left"></td><td>(1)</td><td>(2)</td><td>(3)</td></tr>
## <tr><td colspan="4" style="border-bottom: 1px solid black"></td></tr><tr><td sty
le="text-align:left">Party Affiliation (1 = Democrat/0 = Republican)</td><td>2.1389
</td><td>2.4166</td><td>2.4166</td></tr>
```

```
## <tr><td style="text-align:left"></td><td>(3.6526)</td><td>(6.2789)</td><td>(6.27
89)</td></tr>
## <tr><td style="text-align:left">House of Representative (1 = Yes/0 = Senate)</td
><td>22.0066<sup>***</sup></td><td>24.3094<sup>***</sup></td><td>24.3094<sup>***</s
up></td></tr>
## <tr><td style="text-align:left"></td><td>(3.9249)</td><td>(5.1992)</td><td>(5.19
92)</td></tr>
## <tr><td style="text-align:left">Gender (1 = female/0 = male</td><td>-4.9304</td>
<td>-1.1136</td><td>-1.1136</td></tr>
## <tr><td style="text-align:left"></td><td>(3.9710)</td><td>(5.4267)</td><td>(5.42
67)</td></tr>
## <tr><td style="text-align:left">Belongs to a state with the most active-duty and
reserve members of the military (1 = Yes/0 = No)</td><td>-0.9030</td><td></td><td><
/td></tr>
## <tr><td style="text-align:left"></td><td>(3.8097)</td><td></td><td></td></tr>
## <tr><td style="text-align:left">State (Reference = Alabama)</td><td></td><td></t
d><td>-37.4803<sup>**</sup></td></tr>
## <tr><td style="text-align:left"></td><td></td><td></td><td>(16.1632)</td></tr>
## <tr><td style="text-align:left">stateArizona</td><td></td><td></td><td>-30.8262<
sup>*</sup></td></tr>
## <tr><td style="text-align:left"></td><td></td><td></td><td>(16.5275)</td></tr>
## <tr><td style="text-align:left">stateArkansas</td><td></td><td></td><td>-27.0932
<sup>*</sup></td></tr>
## <tr><td style="text-align:left"></td><td></td><td></td><td>(14.5886)</td></tr>
## <tr><td style="text-align:left">stateCalifornia</td><td></td><td></td><td>-32.20
33<sup>**</sup></td></tr>
## <tr><td style="text-align:left"></td><td></td><td></td><td>(13.6223)</td></tr>
## <tr><td style="text-align:left">stateColorado</td><td></td><td></td><td>-17.4983
</td></tr>
## <tr><td style="text-align:left"></td><td></td><td></td><td>(16.2587)</td></tr>
## <tr><td style="text-align:left">stateConnecticut</td><td></td><td></td><td>-28.9
063</td></tr>
## <tr><td style="text-align:left"></td><td></td><td></td><td>(20.6733)</td></tr>
## <tr><td style="text-align:left">stateDistrict of Columbia</td><td></td><td></td>
<td>-35.8626<sup>*</sup></td></tr>
## <tr><td style="text-align:left"></td><td></td><td></td><td>(20.8338)</td></tr>
## <tr><td style="text-align:left">stateFlorida</td><td></td><td></td><td>-35.1908<
sup>**</sup></td></tr>
## <tr><td style="text-align:left"></td><td></td><td></td><td>(13.3400)</td></tr>
## <tr><td style="text-align:left">stateIaowa</td><td></td><td></td><td>-23.0103</t
d></tr>
## <tr><td style="text-align:left"></td><td></td><td></td><td>(19.7102)</td></tr>
## <tr><td style="text-align:left">stateIllinois</td><td></td><td></td><td>-44.1896
<sup>***</sup></td></tr>
## <tr><td style="text-align:left"></td><td></td><td></td><td>(15.0675)</td></tr>
## <tr><td style="text-align:left">stateIndiana</td><td></td><td></td><td>-33.1697<
sup>*</sup></td></tr>
## <tr><td style="text-align:left"></td><td></td><td></td><td>(19.7102)</td></tr>
## <tr><td style="text-align:left">stateKentucky</td><td></td><td></td><td>-38.6603
<sup>**</sup></td></tr>
## <tr><td style="text-align:left"></td><td></td><td></td><td>(16.1632)</td></tr>
```

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## <tr><td style="text-align:left">stateMaine</td><td></td><td></td><td>-22.7215</t
d></tr>
## <tr><td style="text-align:left"></td><td></td><td></td><td>(16.2898)</td></tr>
## <tr><td style="text-align:left">stateMichigan</td><td></td><td></td><td>-37.1279
<sup>**</sup></td></tr>
## <tr><td style="text-align:left"></td><td></td><td></td><td>(17.2615)</td></tr>
## <tr><td style="text-align:left">stateMississippi</td><td></td><td></td><td>-30.3
500<sup>*</sup></td></tr>
## <tr><td style="text-align:left"></td><td></td><td></td><td>(15.9528)</td></tr>
## <tr><td style="text-align:left">stateMissouri</td><td></td><td></td><td>-19.0061
</td></tr>
## <tr><td style="text-align:left"></td><td></td><td></td><td>(20.5076)</td></tr>
## <tr><td style="text-align:left">stateMontana</td><td></td><td></td><td>-12.9369<
/td></tr>
## <tr><td style="text-align:left"></td><td></td><td></td><td>(20.6991)</td></tr>
## <tr><td style="text-align:left">stateNebraska</td><td></td><td></td><td>-30.8650
<sup>*</sup></td></tr>
## <tr><td style="text-align:left"></td><td></td><td></td><td>(15.9528)</td></tr>
## <tr><td style="text-align:left">stateNew Jersey</td><td></td><td></td><td>-21.23
13</td></tr>
## <tr><td style="text-align:left"></td><td></td><td></td><td>(17.3245)</td></tr>
## <tr><td style="text-align:left">stateNew York</td><td></td><td></td><td>-36.4916
<sup>**</sup></td></tr>
## <tr><td style="text-align:left"></td><td></td><td></td><td>(17.1440)</td></tr>
## <tr><td style="text-align:left">stateNorth Carolina</td><td></td><td></td><td>-2
9.1362<sup>*</sup></td></tr>
## <tr><td style="text-align:left"></td><td></td><td></td><td>(16.5275)</td></tr>
## <tr><td style="text-align:left">stateOhio</td><td></td><td></td><td>-32.6062<sup
>*</sup></td></tr>
## <tr><td style="text-align:left"></td><td></td><td></td><td>(16.5275)</td></tr>
## <tr><td style="text-align:left">stateOklahoma</td><td></td><td></td><td>-36.4714
<sup>**</sup></td></tr>
## <tr><td style="text-align:left"></td><td></td><td></td><td>(13.9544)</td></tr>
## <tr><td style="text-align:left">statePennsylvania</td><td></td><td></td><td>-41.
2097<sup>**</sup></td></tr>
## <tr><td style="text-align:left"></td><td></td><td></td><td>(19.7102)</td></tr>
## <tr><td style="text-align:left">statePuerto Rico</td><td></td><td></td><td>-16.8
361</td></tr>
## <tr><td style="text-align:left"></td><td></td><td></td><td>(20.5076)</td></tr>
## <tr><td style="text-align:left">stateRhode Island</td><td></td><td></td><td>-22.
3616</td></tr>
## <tr><td style="text-align:left"></td><td></td><td></td><td>(17.1440)</td></tr>
## <tr><td style="text-align:left">stateSouth Dakota</td><td></td><td></td><td>-14.
2103</td></tr>
## <tr><td style="text-align:left"></td><td></td><td></td><td>(19.7102)</td></tr>
## <tr><td style="text-align:left">stateTennessee</td><td></td><td></td><td>-26.603
2</td></tr>
## <tr><td style="text-align:left"></td><td></td><td></td><td>(16.1819)</td></tr>
## <tr><td style="text-align:left">stateTexas</td><td></td><td></td><td>-31.8843<su
p>**</sup></td></tr>
## <tr><td style="text-align:left"></td><td></td><td></td><td>(12.7954)</td></tr>
```

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## <tr><td style="text-align:left">stateVirginia</td><td></td><td></td><td>-24.2897
</td></tr>
## <tr><td style="text-align:left"></td><td></td><td></td><td>(19.7102)</td></tr>
## <tr><td style="text-align:left">stateWashington</td><td></td><td></td><td>-34.45
97<sup>**</sup></td></tr>
## <tr><td style="text-align:left"></td><td></td><td></td><td>(16.9875)</td></tr>
## <tr><td style="text-align:left">stateWisconsin</td><td></td><td></td><td>-39.400
7<sup>**</sup></td></tr>
## <tr><td style="text-align:left"></td><td></td><td></td><td>(14.9786)</td></tr>
## <tr><td style="text-align:left">stateWyoming</td><td></td><td></td><td>-66.9161<
sup>***</sup></td></tr>
## <tr><td style="text-align:left"></td><td></td><td></td><td>(20.5076)</td></tr>
## <tr><td style="text-align:left">Constant</td><td>40.1369<sup>***</sup></td><td><
/td><td>68.1203<sup>***</sup></td></tr>
## <tr><td style="text-align:left"></td><td>(3.4652)</td><td></td><td>(11.5760)</td
></tr>
## <tr><td style="text-align:left">N</td><td>79</td><td>79</td><td>79</td></tr>
## <tr><td style="text-align:left">R<sup>2</sup></td><td>0.3154</td><td>0.3471</td>
<td>0.5731</td></tr>
## <tr><td style="text-align:left">Adjusted R<sup>2</sup></td><td>0.2784</td><td>-0
.2125</td><td>0.2073</td></tr>
## <tr><td colspan="4" style="border-bottom: 1px solid black"></td></tr><tr><td col
span="4" style="text-align:left">Standard errors given in parentheses.</td></tr>
## <tr><td colspan="4" style="text-align:left">***p<0.01; **p<0.05; *p<0.1.</td></t
r>
## <tr><td colspan="4" style="text-align:left">Prevalence measured in %</td></tr>
## </table>
```