Data Analysis

Multivariate regression for the Speaker Corpus, EU.- 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 member_state EP
## 1 0 Magdalena Adamowicz      1       Poland  1
## 2 1    Marina Kaljurand      1      Estonia  1
## 3 2    Annalisa Tardino      1        Italy  1
## 4 3       Laura Ferrara      1        Italy  1
## 5 4        Paulo Rangel      0     Portugal  1
## 6 5        Ismail Ertug      0      Germany  1
##                                                                party_group
## 1                                                 European People's Party
## 2 Progressive Alliance of Socialists and Democrats in the European Parliament
## 3                                              Identity and Democracy Group
## 4                                                 Non-attached Members
## 5                                                 European People's Party
## 6 Progressive Alliance of Socialists and Democrats in the European Parliament
##   Dominant_Topic prev_ai_edu AI_education prev_global_market Global_market
## 1      Democracy  0.05868839     5.868839         0.06620718      6.620718
## 2      Democracy  0.09129630     9.129630         0.10314815     10.314815
## 3       Residual  0.07185990     7.185990         0.06300322      6.300322
## 4      Democracy  0.06814548     6.814548         0.05215827      5.215827
## 5       Residual  0.07921811     7.921811         0.08991770      8.991770
## 6      Democracy  0.08805556     8.805556         0.10583333     10.583333
##   prev_digital_sov Digital_sovereignty prev_eu_tech
## 1       0.07289056            7.289056   0.06787803
## 2       0.15870370           15.870370   0.10166667
## 3       0.05253623            5.253623   0.05817230
## 4       0.12969624           12.969624   0.06894484
## 5       0.05699588            5.699588   0.05617284
## 6       0.06361111            6.361111   0.09250000
##   European_technology_capacity prev_democracy Democracy prev_human_rights
## 1                     6.787803      0.2842523  28.42523        0.06620718
## 2                    10.166667      0.2727778  27.27778        0.09129630
## 3                     5.817230      0.1797504  17.97504        0.08071659
## 4                     6.894484      0.3263389  32.63389        0.09052758
## 5                     5.617284      0.1393004  13.93004        0.06934156
## 6                     9.250000      0.2436111  24.36111        0.10250000
##   Human_rights prev_residual Residuals
## 1     6.620718     0.3838764  38.38764
## 2     9.129630     0.1811111  18.11111
## 3     8.071659     0.4939614  49.39614
## 4     9.052758     0.2641886  26.41886
## 5     6.934156     0.5090535  50.90535
## 6    10.250000     0.3038889  30.38889
```

1 Check states

How many states does this dataset contain?

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

```
## [1] 27
```

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

```
## [1] 18
```

2 Regression

2.1 OLS

Run a full model with all state individual effects and a fixed effects model for all topics and party groups

```
## Oneway (individual) effect Within Model
##
## Call:
## plm(formula = European_technology_capacity ~ gender + (member_state) +
##     factor(party_group), data = eu_reg, model = "within", index = "party_group",
##     type = "bp")
##
## Unbalanced Panel: n = 18, T = 1-40, N = 173
##
## Residuals:
##     Min.  1st Qu.   Median  3rd Qu.     Max.
## -13.2088  -3.9624  -1.0892   1.6477  29.0686
##
## Coefficients:
##                          Estimate Std. Error t-value Pr(>|t|)
## gender                    1.03715    1.39146  0.7454  0.45741
## member_stateBelgium      -2.24695    5.93480 -0.3786  0.70560
## member_stateBulgaria      3.82192    6.07423  0.6292  0.53033
## member_stateCroatia       8.06941    5.94681  1.3569  0.17717
## member_stateCyprus       -0.64547    6.71551 -0.0961  0.92358
## member_stateCzechia       1.08781    6.04282  0.1800  0.85742
## member_stateDenmark      -3.20352    6.22319 -0.5148  0.60759
## member_stateEstonia      -1.58636    9.55080 -0.1661  0.86834
## member_stateFinland      13.59892    7.51729  1.8090  0.07278 .
## member_stateFrance       -0.69548    5.33594 -0.1303  0.89650
## member_stateGermany      -0.44543    5.03251 -0.0885  0.92961
## member_stateGreece        2.32621    6.05753  0.3840  0.70160
## member_stateHungary       8.20031    6.34836  1.2917  0.19876
## member_stateIreland       9.65923    6.60607  1.4622  0.14613
## member_stateItaly         1.64570    5.12521  0.3211  0.74865
## member_stateLatvia       -3.51955    9.68999 -0.3632  0.71704
## member_stateLuxembourg   -5.30736    7.44544 -0.7128  0.47724
## member_stateMalta         5.50416    7.63392  0.7210  0.47221
## member_stateNetherlands -2.88333    5.52929 -0.5215  0.60294
## member_statePoland        5.02786    5.55573  0.9050  0.36716
## member_statePortugal      4.13057    6.28967  0.6567  0.51253
## member_stateRomania       3.82866    5.43297  0.7047  0.48226
## member_stateSlovakia      2.16207    5.63153  0.3839  0.70167
## member_stateSlovenia     -5.04596    6.62068 -0.7622  0.44736
## member_stateSpain         1.98170    5.21123  0.3803  0.70437
## member_stateSweden        2.98421    6.24764  0.4777  0.63370
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Total Sum of Squares:    10063
## Residual Sum of Squares: 8258.4
## R-Squared:      0.17937
## Adj. R-Squared: -0.094172
## F-statistic: 1.08448 on 26 and 129 DF, p-value: 0.36862
```

```
## Oneway (individual) effect Within Model
##
## Call:
## plm(formula = Digital_sovereignty ~ gender + (member_state) +
##     factor(party_group), data = eu_reg, model = "within", index = "party_group")
##
## Unbalanced Panel: n = 18, T = 1-40, N = 173
##
## Residuals:
##      Min.   1st Qu.    Median   3rd Qu.      Max.
## -13.71232  -3.26703  -0.37012   2.00507  25.37888
##
## Coefficients:
##                            Estimate  Std. Error t-value Pr(>|t|)
## gender                   0.81981079  1.12838341  0.7265   0.4688
## member_stateBelgium      1.60940794  4.81273370  0.3344   0.7386
## member_stateBulgaria     2.67792635  4.92579879  0.5437   0.5876
## member_stateCroatia     -1.35404848  4.82246903 -0.2808   0.7793
## member_stateCyprus      -0.75314636  5.44583042 -0.1383   0.8902
## member_stateCzechia      4.35450126  4.90032506  0.8886   0.3759
## member_stateDenmark     -0.00037266  5.04659147 -0.0001   0.9999
## member_stateEstonia      5.98972136  7.74507062  0.7734   0.4407
## member_stateFinland      7.56508475  6.09602656  1.2410   0.2169
## member_stateFrance       1.13384091  4.32709598  0.2620   0.7937
## member_stateGermany      2.98426172  4.08102875  0.7313   0.4660
## member_stateGreece       2.06111567  4.91225647  0.4196   0.6755
## member_stateHungary      4.82638340  5.14810189  0.9375   0.3502
## member_stateIreland     11.65521788  5.35708827  2.1757   0.0314 *
## member_stateItaly        5.34536687  4.15620278  1.2861   0.2007
## member_stateLatvia       4.39624258  7.85793832  0.5595   0.5768
## member_stateLuxembourg  -3.97002610  6.03775915 -0.6575   0.5120
## member_stateMalta        2.81420634  6.19060126  0.4546   0.6502
## member_stateNetherlands  1.50261669  4.48388531  0.3351   0.7381
## member_statePoland       4.14520738  4.50533074  0.9201   0.3593
## member_statePortugal     0.01260901  5.10050438  0.0025   0.9980
## member_stateRomania      3.81571826  4.40578054  0.8661   0.3881
## member_stateSlovakia    -0.31577847  4.56679476 -0.0691   0.9450
## member_stateSlovenia    -1.53122578  5.36893152 -0.2852   0.7759
## member_stateSpain        3.41614589  4.22595869  0.8084   0.4204
## member_stateSweden       0.50226103  5.06642215  0.0991   0.9212
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Total Sum of Squares:    6415
## Residual Sum of Squares: 5430.8
## R-Squared:      0.15342
## Adj. R-Squared: -0.12877
## F-statistic: 0.899162 on 26 and 129 DF, p-value: 0.60891
```

```
## Oneway (individual) effect Within Model
##
## Call:
## plm(formula = Democracy ~ gender + (member_state) + factor(party_group),
##     data = eu_reg, model = "within", index = "party_group")
##
## Unbalanced Panel: n = 18, T = 1-40, N = 173
##
## Residuals:
##     Min.  1st Qu.   Median  3rd Qu.     Max.
## -14.9208  -5.2811  -1.3546   3.3225  24.6758
##
## Coefficients:
##                          Estimate Std. Error t-value Pr(>|t|)
## gender                   -1.08291    1.51800 -0.7134  0.47690
## member_stateBelgium       2.24597    6.47449  0.3469  0.72923
## member_stateBulgaria      1.47873    6.62660  0.2232  0.82377
## member_stateCroatia      -2.78139    6.48759 -0.4287  0.66884
## member_stateCyprus       -2.76065    7.32619 -0.3768  0.70693
## member_stateCzechia      -3.71853    6.59233 -0.5641  0.57369
## member_stateDenmark       7.21874    6.78910  1.0633  0.28964
## member_stateEstonia      16.15898   10.41932  1.5509  0.12338
## member_stateFinland       1.08901    8.20088  0.1328  0.89456
## member_stateFrance       -0.26109    5.82117 -0.0449  0.96430
## member_stateGermany       0.21378    5.49014  0.0389  0.96900
## member_stateGreece       -1.05147    6.60838 -0.1591  0.87383
## member_stateHungary      -1.00451    6.92566 -0.1450  0.88490
## member_stateIreland      -7.59195    7.20680 -1.0534  0.29411
## member_stateItaly        -2.45423    5.59127 -0.4389  0.66144
## member_stateLatvia       15.44690   10.57116  1.4612  0.14638
## member_stateLuxembourg   11.84659    8.12250  1.4585  0.14714
## member_stateMalta        -2.67588    8.32811 -0.3213  0.74850
## member_stateNetherlands  -0.95386    6.03210 -0.1581  0.87460
## member_statePoland       -3.13177    6.06095 -0.5167  0.60624
## member_statePortugal     -3.90332    6.86162 -0.5689  0.57044
## member_stateRomania      -0.34239    5.92702 -0.0578  0.95402
## member_stateSlovakia      0.15106    6.14363  0.0246  0.98042
## member_stateSlovenia     18.40134    7.22274  2.5477  0.01202 *
## member_stateSpain        -0.84079    5.68511 -0.1479  0.88266
## member_stateSweden        1.10459    6.81577  0.1621  0.87151
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Total Sum of Squares:    12409
## Residual Sum of Squares: 9828.6
## R-Squared:      0.20795
## Adj. R-Squared: -0.056068
## F-statistic: 1.30262 on 26 and 129 DF, p-value: 0.16886
```

```
## Oneway (individual) effect Within Model
##
## Call:
## plm(formula = AI_education ~ gender + (member_state) + factor(party_group),
##     data = eu_reg, model = "within", index = "party_group")
##
## Unbalanced Panel: n = 18, T = 1-40, N = 173
##
## Residuals:
##      Min.   1st Qu.    Median   3rd Qu.      Max.
## -14.55438  -4.33869  -0.87304   1.72356  26.69753
##
## Coefficients:
##                          Estimate Std. Error t-value Pr(>|t|)
## gender                   3.862142   1.418061  2.7235 0.007354 **
## member_stateBelgium     -0.190375   6.048253 -0.0315 0.974939
## member_stateBulgaria    -2.086637   6.190344 -0.3371 0.736605
## member_stateCroatia     -1.448733   6.060488 -0.2390 0.811450
## member_stateCyprus       7.731673   6.843878  1.1297 0.260690
## member_stateCzechia      3.117844   6.158331  0.5063 0.613524
## member_stateDenmark      6.776217   6.342147  1.0684 0.287316
## member_stateEstonia     -4.020786   9.733377 -0.4131 0.680225
## member_stateFinland     -8.558139   7.660992 -1.1171 0.266025
## member_stateFrance       5.713928   5.437943  1.0508 0.295337
## member_stateGermany      2.324996   5.128706  0.4533 0.651073
## member_stateGreece       2.160493   6.173325  0.3500 0.726930
## member_stateHungary      2.659706   6.469717  0.4111 0.681681
## member_stateIreland     -2.607982   6.732354 -0.3874 0.699113
## member_stateItaly        1.862801   5.223179  0.3566 0.721943
## member_stateLatvia      -4.514576   9.875220 -0.4572 0.648324
## member_stateLuxembourg  -2.262676   7.587766 -0.2982 0.766030
## member_stateMalta       -0.004917   7.779846 -0.0006 0.999497
## member_stateNetherlands -1.084173   5.634983 -0.1924 0.847731
## member_statePoland      -2.386093   5.661934 -0.4214 0.674145
## member_statePortugal     8.633001   6.409900  1.3468 0.180399
## member_stateRomania      0.226541   5.536828  0.0409 0.967427
## member_stateSlovakia     1.310337   5.739177  0.2283 0.819763
## member_stateSlovenia    -0.890272   6.747238 -0.1319 0.895232
## member_stateSpain        8.345884   5.310842  1.5715 0.118521
## member_stateSweden      -0.079673   6.367068 -0.0125 0.990035
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Total Sum of Squares:    10890
## Residual Sum of Squares: 8577.1
## R-Squared:      0.21242
## Adj. R-Squared: -0.050112
## F-statistic: 1.33815 on 26 and 129 DF, p-value: 0.14635
```

```
## Oneway (individual) effect Within Model
##
## Call:
## plm(formula = Human_rights ~ gender + (member_state) + factor(party_group),
##     data = eu_reg, model = "within", index = "party_group")
##
## Unbalanced Panel: n = 18, T = 1-40, N = 173
##
## Residuals:
##      Min.   1st Qu.    Median   3rd Qu.      Max.
## -12.22034  -3.67923  -0.97739   1.29969  31.79949
##
## Coefficients:
##                         Estimate Std. Error t-value Pr(>|t|)
## gender                  -1.41440    1.30802 -1.0813   0.2816
## member_stateBelgium      2.19717    5.57893  0.3938   0.6944
## member_stateBulgaria     9.09313    5.70999  1.5925   0.1137
## member_stateCroatia      3.04292    5.59021  0.5443   0.5872
## member_stateCyprus       5.17307    6.31281  0.8195   0.4140
## member_stateCzechia      6.14688    5.68046  1.0821   0.2812
## member_stateDenmark      0.62144    5.85002  0.1062   0.9156
## member_stateEstonia     -2.64137    8.97810 -0.2942   0.7691
## member_stateFinland     -2.91841    7.06652 -0.4130   0.6803
## member_stateFrance       3.82909    5.01598  0.7634   0.4466
## member_stateGermany      0.73936    4.73073  0.1563   0.8761
## member_stateGreece       4.93566    5.69429  0.8668   0.3877
## member_stateHungary     -2.61377    5.96769 -0.4380   0.6621
## member_stateIreland     -2.67037    6.20994 -0.4300   0.6679
## member_stateItaly       -1.14492    4.81788 -0.2376   0.8125
## member_stateLatvia       2.16951    9.10893  0.2382   0.8121
## member_stateLuxembourg  -1.20177    6.99898 -0.1717   0.8639
## member_stateMalta        0.17943    7.17615  0.0250   0.9801
## member_stateNetherlands  2.30494    5.19773  0.4435   0.6582
## member_statePoland      -0.89773    5.22259 -0.1719   0.8638
## member_statePortugal    -3.70359    5.91251 -0.6264   0.5322
## member_stateRomania     -2.83109    5.10719 -0.5543   0.5803
## member_stateSlovakia     2.50383    5.29383  0.4730   0.6370
## member_stateSlovenia    -3.14723    6.22367 -0.5057   0.6139
## member_stateSpain        0.24130    4.89874  0.0493   0.9608
## member_stateSweden      -0.28410    5.87300 -0.0484   0.9615
##
## Total Sum of Squares:    8656.2
## Residual Sum of Squares: 7297.7
## R-Squared:      0.15694
## Adj. R-Squared: -0.12408
## F-statistic: 0.923621 on 26 and 129 DF, p-value: 0.5755
```

```
## Oneway (individual) effect Within Model
##
## Call:
## plm(formula = Global_market ~ gender + (member_state) + factor(party_group),
##     data = eu_reg, model = "within", index = "party_group")
##
## Unbalanced Panel: n = 18, T = 1-40, N = 173
##
## Residuals:
##    Min. 1st Qu.  Median 3rd Qu.    Max.
## -9.8123 -4.4240 -1.1323  1.5430 22.7529
##
## Coefficients:
##                          Estimate Std. Error t-value Pr(>|t|)
## gender                   -1.37415    1.32093 -1.0403  0.30015
## member_stateBelgium      -1.97573    5.63397 -0.3507  0.72640
## member_stateBulgaria     -7.12141    5.76633 -1.2350  0.21908
## member_stateCroatia      -4.13374    5.64536 -0.7322  0.46535
## member_stateCyprus       -7.78834    6.37509 -1.2217  0.22406
## member_stateCzechia      -4.35761    5.73650 -0.7596  0.44886
## member_stateDenmark      -9.32236    5.90773 -1.5780  0.11702
## member_stateEstonia      -7.73232    9.06667 -0.8528  0.39533
## member_stateFinland      -4.47396    7.13624 -0.6269  0.53181
## member_stateFrance       -7.73488    5.06546 -1.5270  0.12921
## member_stateGermany      -2.70973    4.77741 -0.5672  0.57157
## member_stateGreece       -7.02535    5.75047 -1.2217  0.22405
## member_stateHungary      -7.83382    6.02656 -1.2999  0.19596
## member_stateIreland      -2.21292    6.27121 -0.3529  0.72476
## member_stateItaly        -4.78575    4.86541 -0.9836  0.32714
## member_stateLatvia       -5.29899    9.19880 -0.5761  0.56558
## member_stateLuxembourg    2.05209    7.06803  0.2903  0.77203
## member_stateMalta       -11.33511    7.24695 -1.5641  0.12024
## member_stateNetherlands  -3.07966    5.24900 -0.5867  0.55842
## member_statePoland       -4.68781    5.27411 -0.8888  0.37575
## member_statePortugal     -5.48253    5.97084 -0.9182  0.36022
## member_stateRomania      -3.60443    5.15757 -0.6989  0.48590
## member_stateSlovakia     -7.82276    5.34606 -1.4633  0.14582
## member_stateSlovenia    -11.27384    6.28507 -1.7937  0.07520 .
## member_stateSpain        -8.79249    4.94707 -1.7773  0.07787 .
## member_stateSweden        0.11908    5.93094  0.0201  0.98401
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Total Sum of Squares:    8648
## Residual Sum of Squares: 7442.4
## R-Squared:      0.13942
## Adj. R-Squared: -0.14745
## F-statistic: 0.803776 on 26 and 129 DF, p-value: 0.73585
```

```
## [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"
```

Save table output

```
##
## <table style="text-align:center"><caption><strong>Multivariate OLS Regressions f
or various topics</strong></caption>
## <tr><td colspan="7" style="border-bottom: 1px solid black"></td></tr><tr><td sty
le="text-align:left"></td><td></td><td>Digital_sovereignty</td><td>Democracy</td><t
d>AI_education</td><td>Human_rights</td><td>Global_market</td></tr>
## <tr><td style="text-align:left"></td><td>(1)</td><td>(2)</td><td>(3)</td><td>(4)
</td><td>(5)</td><td>(6)</td></tr>
## <tr><td colspan="7" style="border-bottom: 1px solid black"></td></tr><tr><td sty
le="text-align:left">Gender (1 = female/0 = male</td><td>1.0372</td><td>0.8198</td>
<td>-1.0829</td><td>3.8621<sup>***</sup></td><td>-1.4144</td><td>-1.3742</td></tr>
## <tr><td style="text-align:left"></td><td>(1.3915)</td><td>(1.1284)</td><td>(1.51
80)</td><td>(1.4181)</td><td>(1.3080)</td><td>(1.3209)</td></tr>
## <tr><td style="text-align:left">member_stateBelgium</td><td>-2.2470</td><td>1.60
94</td><td>2.2460</td><td>-0.1904</td><td>2.1972</td><td>-1.9757</td></tr>
## <tr><td style="text-align:left"></td><td>(5.9348)</td><td>(4.8127)</td><td>(6.47
45)</td><td>(6.0483)</td><td>(5.5789)</td><td>(5.6340)</td></tr>
## <tr><td style="text-align:left">member_stateBulgaria</td><td>3.8219</td><td>2.67
79</td><td>1.4787</td><td>-2.0866</td><td>9.0931</td><td>-7.1214</td></tr>
## <tr><td style="text-align:left"></td><td>(6.0742)</td><td>(4.9258)</td><td>(6.62
66)</td><td>(6.1903)</td><td>(5.7100)</td><td>(5.7663)</td></tr>
## <tr><td style="text-align:left">member_stateCroatia</td><td>8.0694</td><td>-1.35
40</td><td>-2.7814</td><td>-1.4487</td><td>3.0429</td><td>-4.1337</td></tr>
## <tr><td style="text-align:left"></td><td>(5.9468)</td><td>(4.8225)</td><td>(6.48
76)</td><td>(6.0605)</td><td>(5.5902)</td><td>(5.6454)</td></tr>
## <tr><td style="text-align:left">member_stateCyprus</td><td>-0.6455</td><td>-0.75
31</td><td>-2.7607</td><td>7.7317</td><td>5.1731</td><td>-7.7883</td></tr>
## <tr><td style="text-align:left"></td><td>(6.7155)</td><td>(5.4458)</td><td>(7.32
62)</td><td>(6.8439)</td><td>(6.3128)</td><td>(6.3751)</td></tr>
## <tr><td style="text-align:left">member_stateCzechia</td><td>1.0878</td><td>4.354
5</td><td>-3.7185</td><td>3.1178</td><td>6.1469</td><td>-4.3576</td></tr>
## <tr><td style="text-align:left"></td><td>(6.0428)</td><td>(4.9003)</td><td>(6.59
23)</td><td>(6.1583)</td><td>(5.6805)</td><td>(5.7365)</td></tr>
## <tr><td style="text-align:left">member_stateDenmark</td><td>-3.2035</td><td>-0.0
004</td><td>7.2187</td><td>6.7762</td><td>0.6214</td><td>-9.3224</td></tr>
## <tr><td style="text-align:left"></td><td>(6.2232)</td><td>(5.0466)</td><td>(6.78
91)</td><td>(6.3421)</td><td>(5.8500)</td><td>(5.9077)</td></tr>
## <tr><td style="text-align:left">member_stateEstonia</td><td>-1.5864</td><td>5.98
97</td><td>16.1590</td><td>-4.0208</td><td>-2.6414</td><td>-7.7323</td></tr>
## <tr><td style="text-align:left"></td><td>(9.5508)</td><td>(7.7451)</td><td>(10.4
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193)</td><td>(9.7334)</td><td>(8.9781)</td><td>(9.0667)</td></tr>
## <tr><td style="text-align:left">member_stateFinland</td><td>13.5989<sup>*</sup><
/td><td>7.5651</td><td>1.0890</td><td>-8.5581</td><td>-2.9184</td><td>-4.4740</td><
/tr>
## <tr><td style="text-align:left"></td><td>(7.5173)</td><td>(6.0960)</td><td>(8.20
09)</td><td>(7.6610)</td><td>(7.0665)</td><td>(7.1362)</td></tr>
## <tr><td style="text-align:left">member_stateFrance</td><td>-0.6955</td><td>1.133
8</td><td>-0.2611</td><td>5.7139</td><td>3.8291</td><td>-7.7349</td></tr>
## <tr><td style="text-align:left"></td><td>(5.3359)</td><td>(4.3271)</td><td>(5.82
12)</td><td>(5.4379)</td><td>(5.0160)</td><td>(5.0655)</td></tr>
## <tr><td style="text-align:left">member_stateGermany</td><td>-0.4454</td><td>2.98
43</td><td>0.2138</td><td>2.3250</td><td>0.7394</td><td>-2.7097</td></tr>
## <tr><td style="text-align:left"></td><td>(5.0325)</td><td>(4.0810)</td><td>(5.49
01)</td><td>(5.1287)</td><td>(4.7307)</td><td>(4.7774)</td></tr>
## <tr><td style="text-align:left">member_stateGreece</td><td>2.3262</td><td>2.0611
</td><td>-1.0515</td><td>2.1605</td><td>4.9357</td><td>-7.0254</td></tr>
## <tr><td style="text-align:left"></td><td>(6.0575)</td><td>(4.9123)</td><td>(6.60
84)</td><td>(6.1733)</td><td>(5.6943)</td><td>(5.7505)</td></tr>
## <tr><td style="text-align:left">member_stateHungary</td><td>8.2003</td><td>4.826
4</td><td>-1.0045</td><td>2.6597</td><td>-2.6138</td><td>-7.8338</td></tr>
## <tr><td style="text-align:left"></td><td>(6.3484)</td><td>(5.1481)</td><td>(6.92
57)</td><td>(6.4697)</td><td>(5.9677)</td><td>(6.0266)</td></tr>
## <tr><td style="text-align:left">member_stateIreland</td><td>9.6592</td><td>11.65
52<sup>**</sup></td><td>-7.5920</td><td>-2.6080</td><td>-2.6704</td><td>-2.2129</td
></tr>
## <tr><td style="text-align:left"></td><td>(6.6061)</td><td>(5.3571)</td><td>(7.20
68)</td><td>(6.7324)</td><td>(6.2099)</td><td>(6.2712)</td></tr>
## <tr><td style="text-align:left">member_stateItaly</td><td>1.6457</td><td>5.3454<
/td><td>-2.4542</td><td>1.8628</td><td>-1.1449</td><td>-4.7857</td></tr>
## <tr><td style="text-align:left"></td><td>(5.1252)</td><td>(4.1562)</td><td>(5.59
13)</td><td>(5.2232)</td><td>(4.8179)</td><td>(4.8654)</td></tr>
## <tr><td style="text-align:left">member_stateLatvia</td><td>-3.5195</td><td>4.396
2</td><td>15.4469</td><td>-4.5146</td><td>2.1695</td><td>-5.2990</td></tr>
## <tr><td style="text-align:left"></td><td>(9.6900)</td><td>(7.8579)</td><td>(10.5
712)</td><td>(9.8752)</td><td>(9.1089)</td><td>(9.1988)</td></tr>
## <tr><td style="text-align:left">member_stateLuxembourg</td><td>-5.3074</td><td>-
3.9700</td><td>11.8466</td><td>-2.2627</td><td>-1.2018</td><td>2.0521</td></tr>
## <tr><td style="text-align:left"></td><td>(7.4454)</td><td>(6.0378)</td><td>(8.12
25)</td><td>(7.5878)</td><td>(6.9990)</td><td>(7.0680)</td></tr>
## <tr><td style="text-align:left">member_stateMalta</td><td>5.5042</td><td>2.8142<
/td><td>-2.6759</td><td>-0.0049</td><td>0.1794</td><td>-11.3351</td></tr>
## <tr><td style="text-align:left"></td><td>(7.6339)</td><td>(6.1906)</td><td>(8.32
81)</td><td>(7.7798)</td><td>(7.1762)</td><td>(7.2470)</td></tr>
## <tr><td style="text-align:left">member_stateNetherlands</td><td>-2.8833</td><td>
1.5026</td><td>-0.9539</td><td>-1.0842</td><td>2.3049</td><td>-3.0797</td></tr>
## <tr><td style="text-align:left"></td><td>(5.5293)</td><td>(4.4839)</td><td>(6.03
21)</td><td>(5.6350)</td><td>(5.1977)</td><td>(5.2490)</td></tr>
## <tr><td style="text-align:left">member_statePoland</td><td>5.0279</td><td>4.1452
</td><td>-3.1318</td><td>-2.3861</td><td>-0.8977</td><td>-4.6878</td></tr>
## <tr><td style="text-align:left"></td><td>(5.5557)</td><td>(4.5053)</td><td>(6.06
09)</td><td>(5.6619)</td><td>(5.2226)</td><td>(5.2741)</td></tr>
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## <tr><td style="text-align:left">member_statePortugal</td><td>4.1306</td><td>0.01
26</td><td>-3.9033</td><td>8.6330</td><td>-3.7036</td><td>-5.4825</td></tr>
## <tr><td style="text-align:left"></td><td>(6.2897)</td><td>(5.1005)</td><td>(6.86
16)</td><td>(6.4099)</td><td>(5.9125)</td><td>(5.9708)</td></tr>
## <tr><td style="text-align:left">member_stateRomania</td><td>3.8287</td><td>3.815
7</td><td>-0.3424</td><td>0.2265</td><td>-2.8311</td><td>-3.6044</td></tr>
## <tr><td style="text-align:left"></td><td>(5.4330)</td><td>(4.4058)</td><td>(5.92
70)</td><td>(5.5368)</td><td>(5.1072)</td><td>(5.1576)</td></tr>
## <tr><td style="text-align:left">member_stateSlovakia</td><td>2.1621</td><td>-0.3
158</td><td>0.1511</td><td>1.3103</td><td>2.5038</td><td>-7.8228</td></tr>
## <tr><td style="text-align:left"></td><td>(5.6315)</td><td>(4.5668)</td><td>(6.14
36)</td><td>(5.7392)</td><td>(5.2938)</td><td>(5.3461)</td></tr>
## <tr><td style="text-align:left">member_stateSlovenia</td><td>-5.0460</td><td>-1.
5312</td><td>18.4013<sup>**</sup></td><td>-0.8903</td><td>-3.1472</td><td>-11.2738<
sup>*</sup></td></tr>
## <tr><td style="text-align:left"></td><td>(6.6207)</td><td>(5.3689)</td><td>(7.22
27)</td><td>(6.7472)</td><td>(6.2237)</td><td>(6.2851)</td></tr>
## <tr><td style="text-align:left">member_stateSpain</td><td>1.9817</td><td>3.4161<
/td><td>-0.8408</td><td>8.3459</td><td>0.2413</td><td>-8.7925<sup>*</sup></td></tr>
## <tr><td style="text-align:left"></td><td>(5.2112)</td><td>(4.2260)</td><td>(5.68
51)</td><td>(5.3108)</td><td>(4.8987)</td><td>(4.9471)</td></tr>
## <tr><td style="text-align:left">member_stateSweden</td><td>2.9842</td><td>0.5023
</td><td>1.1046</td><td>-0.0797</td><td>-0.2841</td><td>0.1191</td></tr>
## <tr><td style="text-align:left"></td><td>(6.2476)</td><td>(5.0664)</td><td>(6.81
58)</td><td>(6.3671)</td><td>(5.8730)</td><td>(5.9309)</td></tr>
## <tr><td style="text-align:left">N</td><td>173</td><td>173</td><td>173</td><td>17
3</td><td>173</td><td>173</td></tr>
## <tr><td style="text-align:left">R<sup>2</sup></td><td>0.1794</td><td>0.1534</td>
<td>0.2079</td><td>0.2124</td><td>0.1569</td><td>0.1394</td></tr>
## <tr><td style="text-align:left">Adjusted R<sup>2</sup></td><td>-0.0942</td><td>-
0.1288</td><td>-0.0561</td><td>-0.0501</td><td>-0.1241</td><td>-0.1474</td></tr>
## <tr><td colspan="7" style="border-bottom: 1px solid black"></td></tr><tr><td col
span="7" style="text-align:left">Standard errors given in parentheses.</td></tr>
## <tr><td colspan="7" style="text-align:left">***p<0.01; **p<0.05; *p<0.1.</td></t
r>
## <tr><td colspan="7" style="text-align:left">Prevalence measured in %</td></tr>
## </table>
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