```
R version 3.6.1 (2019-07-05) -- "Action of the Toes"
Copyright (C) 2019 The R Foundation for Statistical Computing
Platform: x86_64-apple-darwin15.6.0 (64-bit)

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  Natural language support but running in an English locale

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[R.app GUI 1.70 (7684) x86_64-apple-darwin15.6.0]

2020-01-28 12:49:47.193 R[4886:591152] Antidote - Texteurs: Module texteur installé dans /Applications/R.app
(org.R-project.R)
> ########################
> #JF GODBOUT MANUSCRIPT##
> #CHAPTER 6##############
> #August 20, 2018########
> ########################
> #FIGURE 6.1#############
> ########################
>
> ######################################################################
> #Figure 6.1: The Influence of Private Member Motions on Party Unity #
> ######################################################################
>
> rm(list=ls())
>
> library(mfx)
Loading required package: sandwich
Loading required package: lmtest
Loading required package: zoo

Attaching package: ‘zoo’

The following objects are masked from ‘package:base’:

    as.Date, as.Date.numeric

Loading required package: MASS
Loading required package: betareg
>
> cons <- read.csv(file="~/Dropbox/Canada-Manuscript/Analysis/cons-vote.csv", header=T)
> lib <- read.csv(file="~/Dropbox/Canada-Manuscript/Analysis/libs-vote.csv", header=T)
>
> #Model
>
> m6.1 <- rice.bill ~ ownparty + origin
>
> ###############
> #Analysis Libs#
> ###############
>
> data1 <- lib
>
> m1 <- lm(m6.1,data=data1[data1$parlement==1,],)
> m2 <- lm(m6.1,data=data1[data1$parlement==2,],)
> m3 <- lm(m6.1,data=data1[data1$parlement==3,],)
> m4 <- lm(m6.1,data=data1[data1$parlement==4,],)
> m5 <- lm(m6.1,data=data1[data1$parlement==5,],)
> m6 <- lm(m6.1,data=data1[data1$parlement==6,],)
> m7 <- lm(m6.1,data=data1[data1$parlement==7,],)
```

```
> m8 <- lm(m6.1,data=data1[data1$parlement==8,],)
> m9 <- lm(m6.1,data=data1[data1$parlement==9,],)
> m10 <- lm(m6.1,data=data1[data1$parlement==10,],)
> m11 <- lm(m6.1,data=data1[data1$parlement==11,],)
> m12 <- lm(m6.1,data=data1[data1$parlement==12,],)
> m13 <- lm(m6.1,data=data1[data1$parlement==13,],)
> m14 <- lm(m6.1,data=data1[data1$parlement==14,],)
> #m15 <- lm(m6.1,data=data1[data1$parlement==15,],)
> m16 <- lm(m6.1,data=data1[data1$parlement==16,],)
> m17 <- lm(m6.1,data=data1[data1$parlement==17,],)
> m18 <- lm(m6.1,data=data1[data1$parlement==18,],)
> m19 <- lm(m6.1,data=data1[data1$parlement==19,],)
> m20 <- lm(m6.1,data=data1[data1$parlement==20,],)
> m21 <- lm(m6.1,data=data1[data1$parlement==21,],)
> m22 <- lm(m6.1,data=data1[data1$parlement==22,],)
> #m23 <- lm(m6.1,data=data1[data1$parlement==23,],)
> m24 <- lm(m6.1,data=data1[data1$parlement==24,],)
> #m25 <- lm(m6.1,data=data1[data1$parlement==25,],)
> m26 <- lm(m6.1,data=data1[data1$parlement==26,],)
> m27 <- lm(m6.1,data=data1[data1$parlement==27,],)
> m28 <- lm(m6.1,data=data1[data1$parlement==28,],)
> m29 <- lm(m6.1,data=data1[data1$parlement==29,],)
> m30 <- lm(m6.1,data=data1[data1$parlement==30,],)
> #m31 <- lm(m6.1,data=data1[data1$parlement==31,],)
> m32 <- lm(m6.1,data=data1[data1$parlement==32,],)
> m33 <- lm(m6.1,data=data1[data1$parlement==33,],)
> m34 <- lm(m6.1,data=data1[data1$parlement==34,],)
> m35 <- lm(m6.1,data=data1[data1$parlement==35,],)
> m36 <- lm(m6.1,data=data1[data1$parlement==36,],)
> m37 <- lm(m6.1,data=data1[data1$parlement==37,],)
> m38 <- lm(m6.1,data=data1[data1$parlement==38,],)
> m39 <- lm(m6.1,data=data1[data1$parlement==39,],)
> m40 <- lm(m6.1,data=data1[data1$parlement==40,],)
>
> #Print results Liberals
>
> summary(m1)

Call:
lm(formula = m6.1, data = data1[data1$parlement == 1, ])

Residuals:
     Min       1Q   Median       3Q      Max
-0.58061 -0.20653  0.01939  0.20142  0.52576

Coefficients:
                    Estimate Std. Error t value Pr(>|t|)
(Intercept)          0.50568    0.01843  27.440  < 2e-16 ***
ownparty             0.15288    0.05342   2.862  0.00453 **
originprivate.member -0.07795    0.04014  -1.942  0.05315 .
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.2547 on 280 degrees of freedom
Multiple R-squared:  0.02873,
  Adjusted R-squared:  0.02179
F-statistic: 4.141 on 2 and 280 DF,  p-value: 0.01689

> nobs(m1)
[1] 283
> summary(m2)

Call:
lm(formula = m6.1, data = data1[data1$parlement == 2, ])

Residuals:
     Min       1Q   Median       3Q      Max
-0.48809 -0.09864  0.04097  0.14266  0.42573

Coefficients:
                    Estimate Std. Error t value Pr(>|t|)
```

```
(Intercept)           0.54524    0.07846   6.949 3.83e-08 ***
ownparty              0.28933    0.08078   3.582    0.001 **
originprivate.member -0.08207    0.09430  -0.870    0.390
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.2219 on 36 degrees of freedom
Multiple R-squared:  0.2657,
  Adjusted R-squared:  0.2249
F-statistic: 6.514 on 2 and 36 DF,  p-value: 0.00385

> nobs(m2)
[1] 39
> summary(m3)

Call:
lm(formula = m6.1, data = data1[data1$parlement == 3, ])

Residuals:
     Min       1Q   Median       3Q      Max
-0.62069 -0.21135  0.08907  0.15572  0.28935

Coefficients:
                     Estimate Std. Error t value Pr(>|t|)
(Intercept)           0.76958    0.06043  12.734   <2e-16 ***
ownparty              0.05541    0.05386   1.029   0.3055
originprivate.member -0.11226    0.04306  -2.607   0.0102 *
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.2204 on 124 degrees of freedom
Multiple R-squared:  0.08846,
  Adjusted R-squared:  0.07375
F-statistic: 6.016 on 2 and 124 DF,  p-value: 0.003208

> nobs(m3)
[1] 127
> summary(m4)

Call:
lm(formula = m6.1, data = data1[data1$parlement == 4, ])

Residuals:
     Min       1Q   Median       3Q      Max
-0.64426 -0.03460  0.01886  0.09040  0.33687

Coefficients:
                     Estimate Std. Error t value Pr(>|t|)
(Intercept)           0.867937   0.023447  37.016  < 2e-16 ***
ownparty             -0.001874   0.058740  -0.032    0.975
originprivate.member -0.204811   0.037474  -5.465 2.09e-07 ***
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.207 on 138 degrees of freedom
Multiple R-squared:  0.1989,
  Adjusted R-squared:  0.1873
F-statistic: 17.13 on 2 and 138 DF,  p-value: 2.257e-07

> nobs(m4)
[1] 141
> summary(m5)

Call:
lm(formula = m6.1, data = data1[data1$parlement == 5, ])

Residuals:
     Min       1Q   Median       3Q      Max
-0.79666 -0.00407  0.04101  0.08859  0.23154

Coefficients:
```

```
                    Estimate Std. Error t value Pr(>|t|)
(Intercept)          0.91141    0.01859  49.015  < 2e-16 ***
ownparty             0.15880    0.03950   4.021 8.13e-05 ***
originprivate.member -0.14296    0.03104  -4.605 7.19e-06 ***
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.1941 on 207 degrees of freedom
Multiple R-squared:  0.1081,
  Adjusted R-squared:  0.09946
F-statistic: 12.54 on 2 and 207 DF,  p-value: 7.228e-06

> nobs(m5)
[1] 210
> summary(m6)

Call:
lm(formula = m6.1, data = data1[data1$parlement == 6, ])

Residuals:
     Min       1Q   Median       3Q      Max
-0.60710 -0.06545  0.03743  0.16873  0.40231

Coefficients:
                    Estimate Std. Error t value Pr(>|t|)
(Intercept)          0.88915    0.04141  21.474  < 2e-16 ***
ownparty             0.33209    0.06451   5.148 1.05e-06 ***
originprivate.member -0.29146    0.05429  -5.368 3.99e-07 ***
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.2651 on 119 degrees of freedom
Multiple R-squared:  0.2559,
  Adjusted R-squared:  0.2434
F-statistic: 20.47 on 2 and 119 DF,  p-value: 2.295e-08

> nobs(m6)
[1] 122
> summary(m7)

Call:
lm(formula = m6.1, data = data1[data1$parlement == 7, ])

Residuals:
     Min       1Q   Median       3Q      Max
-0.73261  0.03986  0.10359  0.13559  0.25715

Coefficients:
                     Estimate Std. Error t value Pr(>|t|)
(Intercept)          0.742845   0.048570  15.294   <2e-16 ***
ownparty            -0.006792   0.054333  -0.125   0.9007
originprivate.member  0.121561   0.057728   2.106   0.0374 *
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.2477 on 117 degrees of freedom
Multiple R-squared:  0.03896,
  Adjusted R-squared:  0.02253
F-statistic: 2.372 on 2 and 117 DF,  p-value: 0.0978

> nobs(m7)
[1] 120
> summary(m8)

Call:
lm(formula = m6.1, data = data1[data1$parlement == 8, ])

Residuals:
     Min       1Q   Median       3Q      Max
-0.80006  0.02338  0.07952  0.17613  0.17613
```

```
Coefficients:
                    Estimate Std. Error t value Pr(>|t|)
(Intercept)          1.01480    0.09603  10.567   <2e-16 ***
ownparty            -0.09432    0.08403  -1.122    0.265
originprivate.member -0.09661    0.05936  -1.627    0.107
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.2504 on 83 degrees of freedom
Multiple R-squared:  0.03651,
  Adjusted R-squared:  0.01329
F-statistic: 1.572 on 2 and 83 DF,  p-value: 0.2136

> nobs(m8)
[1] 86
> summary(m9)

Call:
lm(formula = m6.1, data = data1[data1$parlement == 9, ])

Residuals:
     Min       1Q   Median       3Q      Max
-0.85860  0.01811  0.03823  0.07024  0.10294

Coefficients:
                    Estimate Std. Error t value Pr(>|t|)
(Intercept)          0.94918    0.05042  18.826   <2e-16 ***
ownparty             0.03271    0.04391   0.745    0.458
originprivate.member -0.05212    0.03732  -1.396    0.166
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.1647 on 89 degrees of freedom
Multiple R-squared:  0.03539,
  Adjusted R-squared:  0.01372
F-statistic: 1.633 on 2 and 89 DF,  p-value: 0.2012

> nobs(m9)
[1] 92
> summary(m10)

Call:
lm(formula = m6.1, data = data1[data1$parlement == 10, ])

Residuals:
     Min       1Q   Median       3Q      Max
-0.44731  0.00230  0.02191  0.02691  0.02691

Coefficients:
                     Estimate Std. Error t value Pr(>|t|)
(Intercept)          0.979453   0.019670  49.794   <2e-16 ***
ownparty            -0.001362   0.017212  -0.079    0.937
originprivate.member -0.005003   0.014752  -0.339    0.735
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.07238 on 112 degrees of freedom
Multiple R-squared:  0.001041,
  Adjusted R-squared:  -0.0168
F-statistic: 0.05838 on 2 and 112 DF,  p-value: 0.9433

> nobs(m10)
[1] 115
> summary(m11)

Call:
lm(formula = m6.1, data = data1[data1$parlement == 11, ])

Residuals:
     Min       1Q   Median       3Q      Max
-0.66934  0.00351  0.04034  0.04034  0.04034
```

```
Coefficients:
                   Estimate Std. Error t value Pr(>|t|)
(Intercept)         1.02540    0.05147  19.920   <2e-16 ***
ownparty           -0.02890    0.04353  -0.664    0.509
originprivate.member -0.03683    0.03679  -1.001    0.321
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.1193 on 56 degrees of freedom
Multiple R-squared:  0.02263,
  Adjusted R-squared:  -0.01228
F-statistic: 0.6483 on 2 and 56 DF,  p-value: 0.5268

> nobs(m11)
[1] 59
> summary(m12)

Call:
lm(formula = m6.1, data = data1[data1$parlement == 12, ])

Residuals:
     Min       1Q   Median       3Q      Max
-0.93478  0.03567  0.06578  0.09281  0.09361

Coefficients:
                    Estimate Std. Error t value Pr(>|t|)
(Intercept)          0.9071906  0.0255108  35.561   <2e-16 ***
ownparty             0.0283928  0.0551095   0.515    0.607
originprivate.member -0.0008016  0.0453967  -0.018    0.986
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.2057 on 118 degrees of freedom
Multiple R-squared:  0.003163,
  Adjusted R-squared:  -0.01373
F-statistic: 0.1872 on 2 and 118 DF,  p-value: 0.8295

> nobs(m12)
[1] 121
> summary(m13)

Call:
lm(formula = m6.1, data = data1[data1$parlement == 13, ])

Residuals:
     Min       1Q   Median       3Q      Max
-0.86908  0.04602  0.06139  0.06139  0.08174

Coefficients:
                   Estimate Std. Error t value Pr(>|t|)
(Intercept)         0.93861    0.02742  34.229   <2e-16 ***
ownparty            0.02294    0.07838   0.293    0.771
originprivate.member -0.02035    0.05072  -0.401    0.689
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.186 on 70 degrees of freedom
Multiple R-squared:  0.002508,
  Adjusted R-squared:  -0.02599
F-statistic: 0.088 on 2 and 70 DF,  p-value: 0.9159

> nobs(m13)
[1] 73
> summary(m14)

Call:
lm(formula = m6.1, data = data1[data1$parlement == 14, ])

Residuals:
     Min       1Q   Median       3Q      Max
```

```
-0.50062 -0.01932  0.03068  0.03285  0.26409

Coefficients:
                    Estimate Std. Error t value Pr(>|t|)
(Intercept)          0.738083   0.050543  14.603  < 2e-16 ***
ownparty             0.231236   0.041516   5.570 3.15e-07 ***
originprivate.member -0.002174   0.041516  -0.052    0.958
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.1552 on 82 degrees of freedom
Multiple R-squared:  0.343,
  Adjusted R-squared:  0.327
F-statistic:  21.4 on 2 and 82 DF,  p-value: 3.316e-08

> nobs(m14)
[1] 85
> summary(m16)

Call:
lm(formula = m6.1, data = data1[data1$parlement == 16, ])

Residuals:
     Min       1Q   Median       3Q      Max
-0.81580 -0.15105  0.00742  0.15563  0.34077

Coefficients:
                   Estimate Std. Error t value Pr(>|t|)
(Intercept)          0.80745    0.09140   8.834 7.01e-14 ***
ownparty             0.18514    0.06517   2.841  0.00555 **
originprivate.member -0.14821    0.08273  -1.791  0.07655 .
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.2719 on 91 degrees of freedom
Multiple R-squared:  0.1959,
  Adjusted R-squared:  0.1782
F-statistic: 11.08 on 2 and 91 DF,  p-value: 4.923e-05

> nobs(m16)
[1] 94
> summary(m17)

Call:
lm(formula = m6.1, data = data1[data1$parlement == 17, ])

Residuals:
     Min       1Q   Median       3Q      Max
-0.74314  0.02659  0.05781  0.09555  0.17489

Coefficients:
                   Estimate Std. Error t value Pr(>|t|)
(Intercept)          0.90445    0.02550  35.475   <2e-16 ***
ownparty             0.09541    0.04308   2.215   0.0283 *
originprivate.member -0.07934    0.03687  -2.152   0.0330 *
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.1975 on 146 degrees of freedom
Multiple R-squared:  0.04322,
  Adjusted R-squared:  0.03011
F-statistic: 3.297 on 2 and 146 DF,  p-value: 0.03975

> nobs(m17)
[1] 149
> summary(m18)

Call:
lm(formula = m6.1, data = data1[data1$parlement == 18, ])

Residuals:
```

```
     Min       1Q   Median       3Q      Max
-0.42831  0.02113  0.03710  0.04310  0.05740

Coefficients:
                   Estimate Std. Error t value Pr(>|t|)
(Intercept)         0.99917    0.04685  21.328   <2e-16 ***
ownparty           -0.02030    0.03469  -0.585    0.562
originprivate.member -0.03627    0.04014  -0.904    0.372
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.09958 on 40 degrees of freedom
Multiple R-squared:  0.02101,
  Adjusted R-squared:  -0.02794
F-statistic: 0.4292 on 2 and 40 DF,  p-value: 0.654

> nobs(m18)
[1] 43
> summary(m19)

Call:
lm(formula = m6.1, data = data1[data1$parlement == 19, ])

Residuals:
     Min       1Q   Median       3Q      Max
-0.42662 -0.00371  0.02010  0.03434  0.12894

Coefficients:
                   Estimate Std. Error t value Pr(>|t|)
(Intercept)         0.88530    0.04091  21.639   <2e-16 ***
ownparty           -0.01424    0.03421  -0.416   0.6785
originprivate.member  0.09460    0.03264   2.898   0.0049 **
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.1208 on 76 degrees of freedom
Multiple R-squared:  0.1471,
  Adjusted R-squared:  0.1246
F-statistic: 6.552 on 2 and 76 DF,  p-value: 0.00237

> nobs(m19)
[1] 79
> summary(m20)

Call:
lm(formula = m6.1, data = data1[data1$parlement == 20, ])

Residuals:
     Min       1Q   Median       3Q      Max
-0.76246  0.02457  0.03316  0.05572  0.05642

Coefficients:
                    Estimate Std. Error t value Pr(>|t|)
(Intercept)          0.9747351  0.0360058  27.072   <2e-16 ***
ownparty             0.0006943  0.0300781   0.023    0.982
originprivate.member -0.0311507  0.0300781  -1.036    0.302
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.1468 on 149 degrees of freedom
Multiple R-squared:  0.01077,
  Adjusted R-squared:  -0.002512
F-statistic: 0.8108 on 2 and 149 DF,  p-value: 0.4465

> nobs(m20)
[1] 152
> summary(m21)

Call:
lm(formula = m6.1, data = data1[data1$parlement == 21, ])
```

```
Residuals:
     Min       1Q   Median       3Q      Max
-0.96039  0.00261  0.01612  0.02468  0.02920

Coefficients:
                    Estimate Std. Error t value Pr(>|t|)
(Intercept)          0.992871   0.017409  57.031   <2e-16 ***
ownparty             0.004515   0.014008   0.322    0.748
originprivate.member -0.022067   0.013675  -1.614    0.108
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.08205 on 202 degrees of freedom
Multiple R-squared:  0.01851,
  Adjusted R-squared:  0.008793
F-statistic: 1.905 on 2 and 202 DF,  p-value: 0.1515

> nobs(m21)
[1] 205
> summary(m22)

Call:
lm(formula = m6.1, data = data1[data1$parlement == 22, ])

Residuals:
     Min       1Q   Median       3Q      Max
-0.75695  0.00090  0.01498  0.01513  0.01513

Coefficients:
                     Estimate Std. Error t value Pr(>|t|)
(Intercept)          0.9989576  0.0101720  98.206   <2e-16 ***
ownparty             0.0001469  0.0083783   0.018    0.986
originprivate.member -0.0140836  0.0083543  -1.686    0.093 .
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.05662 on 260 degrees of freedom
Multiple R-squared:  0.01388,
  Adjusted R-squared:  0.00629
F-statistic: 1.829 on 2 and 260 DF,  p-value: 0.1626

> nobs(m22)
[1] 263
> summary(m24)

Call:
lm(formula = m6.1, data = data1[data1$parlement == 24, ])

Residuals:
     Min       1Q   Median       3Q      Max
-0.97519  0.01699  0.01699  0.02481  0.02481

Coefficients:
                    Estimate Std. Error t value Pr(>|t|)
(Intercept)          0.983007   0.012037  81.664   <2e-16 ***
ownparty             0.023080   0.024133   0.956    0.340
originprivate.member -0.007819   0.017106  -0.457    0.648
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.1233 on 240 degrees of freedom
Multiple R-squared:  0.003859,
  Adjusted R-squared:  -0.004442
F-statistic: 0.4649 on 2 and 240 DF,  p-value: 0.6288

> nobs(m24)
[1] 243
> summary(m26)

Call:
lm(formula = m6.1, data = data1[data1$parlement == 26, ])
```

```
Residuals:
      Min        1Q    Median        3Q       Max
-0.031440  0.001227  0.002643  0.003648  0.003648

Coefficients:
                     Estimate Std. Error t value Pr(>|t|)
(Intercept)          0.999778   0.001828 546.814   <2e-16 ***
ownparty            -0.002420   0.001433  -1.689   0.0939 .
originprivate.member -0.001005   0.001576  -0.638   0.5250
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.006918 on 121 degrees of freedom
Multiple R-squared:  0.02326,
  Adjusted R-squared:  0.007113
F-statistic: 1.441 on 2 and 121 DF,  p-value: 0.2408

> nobs(m26)
[1] 124
> summary(m27)

Call:
lm(formula = m6.1, data = data1[data1$parlement == 27, ])

Residuals:
     Min       1Q   Median       3Q      Max
-0.90769  0.00220  0.06005  0.06005  0.06005

Coefficients:
                     Estimate Std. Error t value Pr(>|t|)
(Intercept)          0.942148   0.077232  12.199   <2e-16 ***
ownparty            -0.002199   0.074813  -0.029    0.977
originprivate.member  0.057852   0.040145   1.441    0.153
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.1616 on 95 degrees of freedom
Multiple R-squared:  0.02614,
  Adjusted R-squared:  0.005638
F-statistic: 1.275 on 2 and 95 DF,  p-value: 0.2842

> nobs(m27)
[1] 98
> summary(m28)

Call:
lm(formula = m6.1, data = data1[data1$parlement == 28, ])

Residuals:
      Min        1Q    Median        3Q       Max
-0.094608  0.000810  0.002479  0.002479  0.002479

Coefficients:
                     Estimate Std. Error t value Pr(>|t|)
(Intercept)          0.9967110  0.0019283 516.897   <2e-16 ***
ownparty             0.0008096  0.0018477   0.438    0.662
originprivate.member 0.0024794  0.0015958   1.554    0.121
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.008859 on 357 degrees of freedom
Multiple R-squared:  0.01033,
  Adjusted R-squared:  0.004782
F-statistic: 1.862 on 2 and 357 DF,  p-value: 0.1568

> nobs(m28)
[1] 360
> summary(m29)

Call:
```

```
lm(formula = m6.1, data = data1[data1$parlement == 29, ])

Residuals:
     Min       1Q   Median       3Q      Max
-0.38260  0.00000  0.02649  0.02649  0.02649

Coefficients:
                      Estimate Std. Error t value Pr(>|t|)
(Intercept)           9.735e-01  3.625e-02  26.854   <2e-16 ***
ownparty             -1.983e-15  3.484e-02   0.000    1.000
originprivate.member  2.649e-02  2.918e-02   0.908    0.367
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.07754 on 78 degrees of freedom
Multiple R-squared:  0.02275,
  Adjusted R-squared:  -0.002309
F-statistic: 0.9079 on 2 and 78 DF,  p-value: 0.4076

> nobs(m29)
[1] 81
> summary(m30)

Call:
lm(formula = m6.1, data = data1[data1$parlement == 30, ])

Residuals:
     Min       1Q   Median       3Q      Max
-0.53871  0.00601  0.01604  0.01604  0.02041

Coefficients:
                     Estimate Std. Error t value Pr(>|t|)
(Intercept)          0.979588   0.014026  69.839   <2e-16 ***
ownparty             0.004376   0.013630   0.321    0.748
originprivate.member 0.014403   0.012226   1.178    0.240
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.0609 on 357 degrees of freedom
Multiple R-squared:  0.006691,
  Adjusted R-squared:  0.001126
F-statistic: 1.202 on 2 and 357 DF,  p-value: 0.3017

> nobs(m30)
[1] 360
> summary(m32)

Call:
lm(formula = m6.1, data = data1[data1$parlement == 32, ])

Residuals:
      Min        1Q    Median        3Q       Max
-0.123690  0.001310  0.001310  0.001310  0.003155

Coefficients:
                     Estimate Std. Error t value Pr(>|t|)
(Intercept)          0.995536   0.002521 394.970   <2e-16 ***
ownparty             0.003155   0.002489   1.268    0.205
originprivate.member 0.001310   0.002227   0.588    0.557
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.009295 on 618 degrees of freedom
Multiple R-squared:  0.004265,
  Adjusted R-squared:  0.001042
F-statistic: 1.323 on 2 and 618 DF,  p-value: 0.267

> nobs(m32)
[1] 621
> summary(m33)
```

```
Call:
lm(formula = m6.1, data = data1[data1$parlement == 33, ])

Residuals:
     Min       1Q   Median       3Q      Max
-0.93614  0.01454  0.01454  0.01454  0.06386

Coefficients:
                    Estimate Std. Error t value Pr(>|t|)
(Intercept)          0.985456   0.002533 389.056  < 2e-16 ***
ownparty             0.030445   0.017879   1.703    0.089 .
originprivate.member -0.049321   0.008276  -5.960 3.62e-09 ***
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.07178 on 903 degrees of freedom
  (9 observations deleted due to missingness)
Multiple R-squared:  0.03864,
  Adjusted R-squared:  0.03651
F-statistic: 18.14 on 2 and 903 DF,  p-value: 1.88e-08

> nobs(m33)
[1] 906
> summary(m34)

Call:
lm(formula = m6.1, data = data1[data1$parlement == 34, ])

Residuals:
     Min       1Q   Median       3Q      Max
-0.95776  0.01899  0.01899  0.01899  0.03191

Coefficients:
                     Estimate Std. Error t value Pr(>|t|)
(Intercept)           0.98101    0.00336 291.945   <2e-16 ***
ownparty              0.03162    0.01945   1.625    0.104
originprivate.member -0.01292    0.01320  -0.979    0.328
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.09894 on 966 degrees of freedom
  (7 observations deleted due to missingness)
Multiple R-squared:  0.002729,
  Adjusted R-squared:  0.0006638
F-statistic: 1.322 on 2 and 966 DF,  p-value: 0.2672

> nobs(m34)
[1] 969
> summary(m35)

Call:
lm(formula = m6.1, data = data1[data1$parlement == 35, ])

Residuals:
     Min       1Q   Median       3Q      Max
-0.89650  0.01456  0.01456  0.01456  0.21994

Coefficients:
                     Estimate Std. Error t value Pr(>|t|)
(Intercept)           1.10187    0.02729  40.370  < 2e-16 ***
ownparty             -0.11644    0.02690  -4.329 1.71e-05 ***
originprivate.member -0.20537    0.02433  -8.442  < 2e-16 ***
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.1217 on 731 degrees of freedom
Multiple R-squared:  0.1245,
  Adjusted R-squared:  0.1221
F-statistic: 51.98 on 2 and 731 DF,  p-value: < 2.2e-16

> nobs(m35)
```

```
[1] 734
> summary(m36)

Call:
lm(formula = m6.1, data = data1[data1$parlement == 36, ])

Residuals:
     Min       1Q   Median       3Q      Max
-0.85086  0.00573  0.00573  0.00573  0.12514

Coefficients:
                   Estimate Std. Error t value Pr(>|t|)
(Intercept)          1.066845   0.009154 116.549  < 2e-16 ***
ownparty            -0.072580   0.009087  -7.987 2.32e-15 ***
originprivate.member -0.119408   0.008152 -14.647  < 2e-16 ***
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.0471 on 1987 degrees of freedom
  (1 observation deleted due to missingness)
Multiple R-squared:  0.1395,
  Adjusted R-squared:  0.1387
F-statistic: 161.1 on 2 and 1987 DF,  p-value: < 2.2e-16

> nobs(m36)
[1] 1990
> summary(m37)

Call:
lm(formula = m6.1, data = data1[data1$parlement == 37, ])

Residuals:
     Min       1Q   Median       3Q      Max
-0.92539  0.02773  0.02773  0.02773  0.14381

Coefficients:
                    Estimate Std. Error t value Pr(>|t|)
(Intercept)          8.562e-01  2.909e-02  29.438  < 2e-16 ***
ownparty             1.160e-01  2.858e-02   4.060 5.45e-05 ***
originprivate.member -6.259e-05  2.688e-02  -0.002    0.998
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.129 on 723 degrees of freedom
  (1 observation deleted due to missingness)
Multiple R-squared:  0.1096,
  Adjusted R-squared:  0.1071
F-statistic: 44.49 on 2 and 723 DF,  p-value: < 2.2e-16

> nobs(m37)
[1] 726
> summary(m38)

Call:
lm(formula = m6.1, data = data1[data1$parlement == 38, ])

Residuals:
     Min       1Q   Median       3Q      Max
-0.89594  0.04035  0.05769  0.06325  0.09551

Coefficients:
                   Estimate Std. Error t value Pr(>|t|)
(Intercept)          0.89380    0.05191  17.220   <2e-16 ***
ownparty             0.04851    0.04918   0.986    0.325
originprivate.member  0.01069    0.04850   0.220    0.826
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.1643 on 187 degrees of freedom
Multiple R-squared:  0.01402,
  Adjusted R-squared:  0.003472
```

```
F-statistic: 1.329 on 2 and 187 DF,  p-value: 0.2672

> nobs(m38)
[1] 190
> summary(m39)

Call:
lm(formula = m6.1, data = data1[data1$parlement == 39, ])

Residuals:
     Min       1Q   Median       3Q      Max
-0.86150  0.02235  0.02235  0.07286  0.07286

Coefficients:
                    Estimate Std. Error t value Pr(>|t|)
(Intercept)          0.97765    0.01274  76.727   <2e-16 ***
ownparty             0.02078    0.02274   0.914   0.3614
originprivate.member -0.05051    0.01973  -2.561   0.0108 *
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.1632 on 366 degrees of freedom
  (11 observations deleted due to missingness)
Multiple R-squared:  0.01807,
  Adjusted R-squared:  0.0127
F-statistic: 3.367 on 2 and 366 DF,  p-value: 0.03557

> nobs(m39)
[1] 369
> summary(m40)

Call:
lm(formula = m6.1, data = data1[data1$parlement == 40, ])

Residuals:
     Min       1Q   Median       3Q      Max
-0.85122  0.00285  0.00527  0.08818  0.08818

Coefficients:
                    Estimate Std. Error t value Pr(>|t|)
(Intercept)          0.99715    0.01095  91.095  < 2e-16 ***
ownparty             0.08291    0.01964   4.221 3.09e-05 ***
originprivate.member -0.08532    0.01525  -5.593 4.43e-08 ***
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.1331 on 358 degrees of freedom
  (1 observation deleted due to missingness)
Multiple R-squared:  0.09354,
  Adjusted R-squared:  0.08848
F-statistic: 18.47 on 2 and 358 DF,  p-value: 2.319e-08

> nobs(m40)
[1] 361
>
> mm1 <- coeftest(m1, vcov = vcovHAC(m1))
> mm1

t test of coefficients:

                     Estimate Std. Error t value Pr(>|t|)
(Intercept)          0.505679   0.022787 22.1918  < 2e-16 ***
ownparty             0.152885   0.059731  2.5595  0.01101 *
originprivate.member -0.077955   0.038593 -2.0199  0.04435 *
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

> mm2 <- coeftest(m2, vcov = vcovHAC(m2))
> mm2

t test of coefficients:
```

```
                      Estimate Std. Error t value Pr(>|t|)
(Intercept)           0.545235   0.056762  9.6056  1.8e-11 ***
ownparty              0.289329   0.109273  2.6478  0.01195 *
originprivate.member -0.082074   0.118263 -0.6940  0.49214
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

> mm3 <- coeftest(m3, vcov = vcovHAC(m3))
> mm3

t test of coefficients:

                      Estimate Std. Error t value Pr(>|t|)
(Intercept)           0.769583   0.068138 11.2945   <2e-16 ***
ownparty              0.055412   0.062488  0.8868   0.3769
originprivate.member -0.112261   0.053270 -2.1074   0.0371 *
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

> mm4 <- coeftest(m4, vcov = vcovHAC(m4))
> mm4

t test of coefficients:

                       Estimate Std. Error  t value  Pr(>|t|)
(Intercept)           0.8679372  0.0065504 132.5015 < 2.2e-16 ***
ownparty             -0.0018736  0.0867026  -0.0216    0.9828
originprivate.member -0.2048114  0.0478877  -4.2769 3.517e-05 ***
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

> mm5 <- coeftest(m5, vcov = vcovHAC(m5))
> mm5

t test of coefficients:

                      Estimate Std. Error t value  Pr(>|t|)
(Intercept)           0.911415   0.015211 59.9184 < 2.2e-16 ***
ownparty              0.158800   0.040460  3.9249 0.0001181 ***
originprivate.member -0.142956   0.039555 -3.6141 0.0003784 ***
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

> mm6 <- coeftest(m6, vcov = vcovHAC(m6))
> mm6

t test of coefficients:

                      Estimate Std. Error t value  Pr(>|t|)
(Intercept)           0.889152   0.018837 47.2023 < 2.2e-16 ***
ownparty              0.332091   0.056722  5.8547 4.324e-08 ***
originprivate.member -0.291457   0.053906 -5.4068 3.358e-07 ***
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

> mm7 <- coeftest(m7, vcov = vcovHAC(m7))
> mm7

t test of coefficients:

                       Estimate Std. Error t value Pr(>|t|)
(Intercept)           0.7428454  0.0644106 11.5330  < 2e-16 ***
ownparty             -0.0067919  0.0566891 -0.1198  0.90484
originprivate.member  0.1215612  0.0701451  1.7330  0.08573 .
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

> mm8 <- coeftest(m8, vcov = vcovHAC(m8))
> mm8
```

```
t test of coefficients:

                     Estimate Std. Error t value Pr(>|t|)
(Intercept)          1.014800   0.074357  13.648   <2e-16 ***
ownparty            -0.094321   0.064077  -1.472   0.1448
originprivate.member -0.096606   0.062529  -1.545   0.1262
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

> mm9 <- coeftest(m9, vcov = vcovHAC(m9))
> mm9

t test of coefficients:

                     Estimate Std. Error t value Pr(>|t|)
(Intercept)          0.949180   0.046733 20.3109  < 2e-16 ***
ownparty             0.032705   0.049049  0.6668  0.50664
originprivate.member -0.052121   0.027590 -1.8891  0.06213 .
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

> mm10 <- coeftest(m10, vcov = vcovHAC(m10))
> mm10

t test of coefficients:

                      Estimate Std. Error t value Pr(>|t|)
(Intercept)          0.9794532  0.0193269 50.6781   <2e-16 ***
ownparty            -0.0013619  0.0193310 -0.0704   0.9440
originprivate.member -0.0050034  0.0135002 -0.3706   0.7116
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

> mm11 <- coeftest(m11, vcov = vcovHAC(m11))
> mm11

t test of coefficients:

                     Estimate Std. Error t value Pr(>|t|)
(Intercept)          1.025396   0.021186 48.3996   <2e-16 ***
ownparty            -0.028903   0.022344 -1.2935   0.2011
originprivate.member -0.036833   0.022566 -1.6323   0.1082
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

> mm12 <- coeftest(m12, vcov = vcovHAC(m12))
> mm12

t test of coefficients:

                       Estimate  Std. Error t value Pr(>|t|)
(Intercept)          0.90719061  0.02527380 35.8945   <2e-16 ***
ownparty             0.02839283  0.06117025  0.4642   0.6434
originprivate.member -0.00080156  0.05258933 -0.0152   0.9879
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

> mm13 <- coeftest(m13, vcov = vcovHAC(m13))
> mm13

t test of coefficients:

                     Estimate Std. Error t value Pr(>|t|)
(Intercept)          0.938613   0.030853 30.4221   <2e-16 ***
ownparty             0.022935   0.054586  0.4202   0.6757
originprivate.member -0.020352   0.057772 -0.3523   0.7257
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

> mm14 <- coeftest(m14, vcov = vcovHAC(m14))
> mm14
```

```
t test of coefficients:

                      Estimate Std. Error t value  Pr(>|t|)
(Intercept)           0.7380835  0.0495191 14.9050 < 2.2e-16 ***
ownparty              0.2312360  0.0483977  4.7778 7.667e-06 ***
originprivate.member -0.0021738  0.0197632 -0.1100    0.9127
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

> mm16 <- coeftest(m16, vcov = vcovHAC(m16))
> mm16

t test of coefficients:

                      Estimate Std. Error t value Pr(>|t|)
(Intercept)           0.807445   0.077512 10.4170  < 2e-16 ***
ownparty              0.185137   0.077602  2.3857  0.01912 *
originprivate.member -0.148214   0.057166 -2.5927  0.01109 *
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

> mm17 <- coeftest(m17, vcov = vcovHAC(m17))
> mm17

t test of coefficients:

                      Estimate Std. Error t value Pr(>|t|)
(Intercept)           0.904449   0.024016 37.6604  < 2e-16 ***
ownparty              0.095408   0.038265  2.4934  0.01377 *
originprivate.member -0.079342   0.040730 -1.9480  0.05334 .
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

> mm18 <- coeftest(m18, vcov = vcovHAC(m18))
> mm18

t test of coefficients:

                      Estimate Std. Error t value Pr(>|t|)
(Intercept)           0.999171   0.038151 26.1898   <2e-16 ***
ownparty             -0.020298   0.035866 -0.5660   0.5746
originprivate.member -0.036274   0.034418 -1.0539   0.2982
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

> mm19 <- coeftest(m19, vcov = vcovHAC(m19))
> mm19

t test of coefficients:

                      Estimate Std. Error t value Pr(>|t|)
(Intercept)           0.885296   0.041610 21.2763  < 2e-16 ***
ownparty             -0.014235   0.016288 -0.8740  0.38489
originprivate.member  0.094602   0.038373  2.4653  0.01595 *
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

> mm20 <- coeftest(m20, vcov = vcovHAC(m20))
> mm20

t test of coefficients:

                        Estimate  Std. Error t value Pr(>|t|)
(Intercept)           0.97473509  0.03782647 25.7686   <2e-16 ***
ownparty              0.00069433  0.03512581  0.0198   0.9843
originprivate.member -0.03115074  0.03316674 -0.9392   0.3491
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

> mm21 <- coeftest(m21, vcov = vcovHAC(m21))
```

```
> mm21

t test of coefficients:

                       Estimate Std. Error t value Pr(>|t|)
(Intercept)           0.9928708  0.0159475 62.2587  < 2e-16 ***
ownparty              0.0045145  0.0159082  0.2838  0.77686
originprivate.member -0.0220666  0.0126076 -1.7503  0.08159 .
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

> mm22 <- coeftest(m22, vcov = vcovHAC(m22))
> mm22

t test of coefficients:

                        Estimate  Std. Error  t value Pr(>|t|)
(Intercept)           0.99895760  0.00965023 103.5165   <2e-16 ***
ownparty              0.00014686  0.00986566   0.0149   0.9881
originprivate.member -0.01408364  0.00865853  -1.6266   0.1050
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

> mm24 <- coeftest(m24, vcov = vcovHAC(m24))
> mm24

t test of coefficients:

                       Estimate Std. Error t value Pr(>|t|)
(Intercept)           0.9830075  0.0116319 84.5098   <2e-16 ***
ownparty              0.0230796  0.0145071  1.5909   0.1129
originprivate.member -0.0078187  0.0185207 -0.4222   0.6733
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

> mm26 <- coeftest(m26, vcov = vcovHAC(m26))
> mm26

t test of coefficients:

                       Estimate Std. Error  t value Pr(>|t|)
(Intercept)           0.9997777  0.0020646 484.2486   <2e-16 ***
ownparty             -0.0024202  0.0015352  -1.5764   0.1175
originprivate.member -0.0010049  0.0020553  -0.4889   0.6258
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

> mm27 <- coeftest(m27, vcov = vcovHAC(m27))
> mm27

t test of coefficients:

                       Estimate Std. Error t value Pr(>|t|)
(Intercept)           0.9421476  0.0372931 25.2633   <2e-16 ***
ownparty             -0.0021994  0.0014283 -1.5399   0.1269
originprivate.member  0.0578524  0.0372931  1.5513   0.1242
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

> mm28 <- coeftest(m28, vcov = vcovHAC(m28))
> mm28

t test of coefficients:

                        Estimate Std. Error   t value  Pr(>|t|)
(Intercept)           0.99671102 0.00087407 1140.3151 < 2.2e-16 ***
ownparty              0.00080957 0.00060079    1.3475 0.1786743
originprivate.member 0.00247941 0.00063261    3.9193 0.0001064 ***
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1
```

```
> mm29 <- coeftest(m29, vcov = vcovHAC(m29))
> mm29

t test of coefficients:

                       Estimate  Std. Error t value Pr(>|t|)
(Intercept)           9.7351e-01  1.5883e-02 61.2912  < 2e-16 ***
ownparty             -1.9828e-15  1.5485e-15 -1.2805  0.20416
originprivate.member  2.6491e-02  1.5883e-02  1.6679  0.09935 .
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

> mm30 <- coeftest(m30, vcov = vcovHAC(m30))
> mm30

t test of coefficients:

                      Estimate Std. Error  t value Pr(>|t|)
(Intercept)          0.9795885  0.0079914 122.5803  < 2e-16 ***
ownparty             0.0043759  0.0057365   0.7628  0.44607
originprivate.member 0.0144027  0.0059693   2.4128  0.01633 *
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

> mm32 <- coeftest(m32, vcov = vcovHAC(m32))
> mm32

t test of coefficients:

                       Estimate Std. Error  t value  Pr(>|t|)
(Intercept)          0.99553568 0.00190136 523.5921 < 2.2e-16 ***
ownparty             0.00315479 0.00183346   1.7207 0.0858099 .
originprivate.member 0.00130952 0.00038515   3.4001 0.0007171 ***
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

> mm33 <- coeftest(m33, vcov = vcovHAC(m33))
> mm33

t test of coefficients:

                      Estimate Std. Error  t value Pr(>|t|)
(Intercept)           0.9854561  0.0027836 354.0240  < 2e-16 ***
ownparty              0.0304446  0.0258964   1.1756  0.24005
originprivate.member -0.0493206  0.0217117  -2.2716  0.02334 *
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

> mm34 <- coeftest(m34, vcov = vcovHAC(m34))
> mm34

t test of coefficients:

                      Estimate Std. Error  t value Pr(>|t|)
(Intercept)           0.9810126  0.0049725 197.2889  < 2e-16 ***
ownparty              0.0316162  0.0178469   1.7715  0.07679 .
originprivate.member -0.0129225  0.0188052  -0.6872  0.49214
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

> mm35 <- coeftest(m35, vcov = vcovHAC(m35))
> mm35

t test of coefficients:

                     Estimate Std. Error t value Pr(>|t|)
(Intercept)           1.10187    0.11090  9.9353  < 2e-16 ***
ownparty             -0.11644    0.11110 -1.0481  0.29496
originprivate.member -0.20537    0.11397 -1.8020  0.07196 .
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1
```

```
> mm36 <- coeftest(m36, vcov = vcovHAC(m36))
> mm36

t test of coefficients:

                     Estimate Std. Error t value  Pr(>|t|)
(Intercept)          1.066845   0.044854 23.7846 < 2.2e-16 ***
ownparty            -0.072580   0.044843 -1.6185  0.105709
originprivate.member -0.119408   0.045586 -2.6194  0.008876 **
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

> mm37 <- coeftest(m37, vcov = vcovHAC(m37))
> mm37

t test of coefficients:

                       Estimate  Std. Error t value  Pr(>|t|)
(Intercept)          8.5625e-01  3.4397e-02 24.8931 < 2.2e-16 ***
ownparty             1.1602e-01  3.2697e-02  3.5484 0.0004127 ***
originprivate.member -6.2585e-05  2.5896e-02 -0.0024 0.9980724
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

> mm38 <- coeftest(m38, vcov = vcovHAC(m38))
> mm38

t test of coefficients:

                     Estimate Std. Error t value Pr(>|t|)
(Intercept)          0.893798   0.040858 21.8757   <2e-16 ***
ownparty             0.048513   0.040269  1.2047   0.2298
originprivate.member 0.010691   0.035652  0.2999   0.7646
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

> mm39 <- coeftest(m39, vcov = vcovHAC(m39))
> mm39

t test of coefficients:

                      Estimate Std. Error  t value Pr(>|t|)
(Intercept)          0.9776522  0.0086736 112.7157  < 2e-16 ***
ownparty             0.0207820  0.0450066   0.4618  0.64453
originprivate.member -0.0505145  0.0254648  -1.9837  0.04804 *
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

> mm40 <- coeftest(m40, vcov = vcovHAC(m40))
> mm40

t test of coefficients:

                      Estimate Std. Error  t value  Pr(>|t|)
(Intercept)          0.9971456  0.0013946 715.0223 < 2.2e-16 ***
ownparty             0.0829123  0.0311453   2.6621  0.008115 **
originprivate.member -0.0853234  0.0315510  -2.7043  0.007172 **
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

>
> #save parameters for graphic
>
> coef <- mm1[3,1]
> se <- mm1[3,2]
> conf1 <- coef + c(-1,1)*se*qt(0.975, m1$df.residual)
> conf1 <- c(conf1,coef,"1st (1867-1872)")
> coef <- mm2[3,1]
> se <- mm2[3,2]
> conf2 <- coef + c(-1,1)*se*qt(0.975, m2$df.residual)
```

```
> conf2 <- c(conf2,coef,"2nd (1872-1874)")
> coef <- mm3[3,1]
> se <- mm3[3,2]
> conf3 <- coef + c(-1,1)*se*qt(0.975, m3$df.residual)
> conf3 <- c(conf3,coef,"3rd (1874-1878)")
> coef <- mm4[3,1]
> se <- mm4[3,2]
> conf4 <- coef + c(-1,1)*se*qt(0.975, m4$df.residual)
> conf4 <- c(conf4,coef,"4th (1879-1882)")
> coef <- mm5[3,1]
> se <- mm5[3,2]
> conf5 <- coef + c(-1,1)*se*qt(0.975, m5$df.residual)
> conf5 <- c(conf5,coef,"5th (1883-1887)")
> coef <- mm6[3,1]
> se <- mm6[3,2]
> conf6 <- coef + c(-1,1)*se*qt(0.975, m6$df.residual)
> conf6 <- c(conf6,coef,"6th (1887-1891)")
> coef <- mm7[3,1]
> se <- mm7[3,2]
> conf7 <- coef + c(-1,1)*se*qt(0.975, m7$df.residual)
> conf7 <- c(conf7,coef,"7th (1891-1896)")
> coef <- mm8[3,1]
> se <- mm8[3,2]
> conf8 <- coef + c(-1,1)*se*qt(0.975, m8$df.residual)
> conf8 <- c(conf8,coef,"8th (1896-1900)")
> coef <- mm9[3,1]
> se <- mm9[3,2]
> conf9 <- coef + c(-1,1)*se*qt(0.975, m9$df.residual)
> conf9 <- c(conf9,coef,"9th (1901-1904)")
> coef <- mm10[3,1]
> se <- mm10[3,2]
> conf10 <- coef + c(-1,1)*se*qt(0.975, m10$df.residual)
> conf10 <- c(conf10,coef,"10th (1905-1908)")
> coef <- mm11[3,1]
> se <- mm11[3,2]
> conf11 <- coef + c(-1,1)*se*qt(0.975, m11$df.residual)
> conf11 <- c(conf11,coef,"11th (1909-1911)")
> coef <- mm12[3,1]
> se <- mm12[3,2]
> conf12 <- coef + c(-1,1)*se*qt(0.975, m12$df.residual)
> conf12 <- c(conf12,coef,"12th (1911-1917)")
> coef <- mm13[3,1]
> se <- mm13[3,2]
> conf13 <- coef + c(-1,1)*se*qt(0.975, m13$df.residual)
> conf13 <- c(conf13,coef,"13th (1917-1921)")
> coef <- mm14[3,1]
> se <- mm14[3,2]
> conf14 <- coef + c(-1,1)*se*qt(0.975, m14$df.residual)
> conf14 <- c(conf14,coef,"14th (1921-1925)")
> coef <- mm16[3,1]
> se <- mm16[3,2]
> conf16 <- coef + c(-1,1)*se*qt(0.975, m16$df.residual)
> conf16 <- c(conf16,coef,"16th (1926-1930)")
> coef <- mm17[3,1]
> se <- mm17[3,2]
> conf17 <- coef + c(-1,1)*se*qt(0.975, m17$df.residual)
> conf17 <- c(conf17,coef,"17th (1930-1935)")
> coef <- mm18[3,1]
> se <- mm18[3,2]
> conf18 <- coef + c(-1,1)*se*qt(0.975, m18$df.residual)
> conf18 <- c(conf18,coef,"18th (1935-1940)")
> coef <- mm19[3,1]
> se <- mm19[3,2]
> conf19 <- coef + c(-1,1)*se*qt(0.975, m19$df.residual)
> conf19 <- c(conf19,coef,"19th (1940-1945)")
> coef <- mm20[3,1]
> se <- mm20[3,2]
> conf20 <- coef + c(-1,1)*se*qt(0.975, m20$df.residual)
> conf20 <- c(conf20,coef,"20th (1945-1949)")
> coef <- mm21[3,1]
> se <- mm21[3,2]
```

```
> conf21 <- coef + c(-1,1)*se*qt(0.975, m21$df.residual)
> conf21 <- c(conf21,coef,"21st (1949-1953)")
> coef <- mm22[3,1]
> se <- mm22[3,2]
> conf22 <- coef + c(-1,1)*se*qt(0.975, m22$df.residual)
> conf22 <- c(conf22,coef,"22nd (1953-1957)")
> coef <- mm24[3,1]
> se <- mm24[3,2]
> conf24 <- coef + c(-1,1)*se*qt(0.975, m24$df.residual)
> conf24 <- c(conf24,coef,"24th (1958-1962)")
> coef <- mm26[3,1]
> se <- mm26[3,2]
> conf26 <- coef + c(-1,1)*se*qt(0.975, m26$df.residual)
> conf26 <- c(conf26,coef,"26th (1963-1965)")
> coef <- mm27[3,1]
> se <- mm27[3,2]
> conf27 <- coef + c(-1,1)*se*qt(0.975, m27$df.residual)
> conf27 <- c(conf27,coef,"27th (1965-1968)")
> coef <- mm28[3,1]
> se <- mm28[3,2]
> conf28 <- coef + c(-1,1)*se*qt(0.975, m28$df.residual)
> conf28 <- c(conf28,coef,"28th (1968-1972)")
> coef <- mm29[3,1]
> se <- mm29[3,2]
> conf29 <- coef + c(-1,1)*se*qt(0.975, m29$df.residual)
> conf29 <- c(conf29,coef,"29th (1972-1974)")
> coef <- mm30[3,1]
> se <- mm30[3,2]
> conf30 <- coef + c(-1,1)*se*qt(0.975, m30$df.residual)
> conf30 <- c(conf30,coef,"30th (1974-1979)")
> coef <- mm32[3,1]
> se <- mm32[3,2]
> conf32 <- coef + c(-1,1)*se*qt(0.975, m32$df.residual)
> conf32 <- c(conf32,coef,"32nd (1980-1984)")
> coef <- mm33[3,1]
> se <- mm33[3,2]
> conf33 <- coef + c(-1,1)*se*qt(0.975, m33$df.residual)
> conf33 <- c(conf33,coef,"33rd (1984-1988)")
> coef <- mm34[3,1]
> se <- mm34[3,2]
> conf34 <- coef + c(-1,1)*se*qt(0.975, m34$df.residual)
> conf34 <- c(conf34,coef,"34th (1988-1993)")
> coef <- mm35[3,1]
> se <- mm35[3,2]
> conf35 <- coef + c(-1,1)*se*qt(0.975, m35$df.residual)
> conf35 <- c(conf35,coef,"35th (1994-1997)")
> coef <- mm36[3,1]
> se <- mm36[3,2]
> conf36 <- coef + c(-1,1)*se*qt(0.975, m36$df.residual)
> conf36 <- c(conf36,coef,"36th (1997-2000)")
> coef <- mm37[3,1]
> se <- mm37[3,2]
> conf37 <- coef + c(-1,1)*se*qt(0.975, m37$df.residual)
> conf37 <- c(conf37,coef,"37th (2001-2004)")
> coef <- mm38[3,1]
> se <- mm38[3,2]
> conf38 <- coef + c(-1,1)*se*qt(0.975, m38$df.residual)
> conf38 <- c(conf38,coef,"38th (2004-2005)")
> coef <- mm39[3,1]
> se <- mm39[3,2]
> conf39 <- coef + c(-1,1)*se*qt(0.975, m39$df.residual)
> conf39 <- c(conf39,coef,"39th (2006-2008)")
> coef <- mm40[3,1]
> se <- mm40[3,2]
> conf40 <- coef + c(-1,1)*se*qt(0.975, m40$df.residual)
> conf40 <- c(conf40,coef,"40th (2008-2011)")
>
> ###############
> #Analysis Cons#
> ###############
>
```

```
> data1 <- cons
>
> m6.1 <- rice.bill ~ ownparty + origin
>
> m1 <- lm(m6.1,data=data1[data1$parlement==1,],)
> m2 <- lm(m6.1,data=data1[data1$parlement==2,],)
> m3 <- lm(m6.1,data=data1[data1$parlement==3,],)
> m4 <- lm(m6.1,data=data1[data1$parlement==4,],)
> m5 <- lm(m6.1,data=data1[data1$parlement==5,],)
> m6 <- lm(m6.1,data=data1[data1$parlement==6,],)
> m7 <- lm(m6.1,data=data1[data1$parlement==7,],)
> m8 <- lm(m6.1,data=data1[data1$parlement==8,],)
> m9 <- lm(m6.1,data=data1[data1$parlement==9,],)
> m10 <- lm(m6.1,data=data1[data1$parlement==10,],)
> m11 <- lm(m6.1,data=data1[data1$parlement==11,],)
> m12 <- lm(m6.1,data=data1[data1$parlement==12,],)
> m13 <- lm(m6.1,data=data1[data1$parlement==13,],)
> m14 <- lm(m6.1,data=data1[data1$parlement==14,],)
> #m15 <- lm(m6.1,data=data1[data1$parlement==15,],)
> m16 <- lm(m6.1,data=data1[data1$parlement==16,],)
> m17 <- lm(m6.1,data=data1[data1$parlement==17,],)
> m18 <- lm(m6.1,data=data1[data1$parlement==18,],)
> m19 <- lm(m6.1,data=data1[data1$parlement==19,],)
> m20 <- lm(m6.1,data=data1[data1$parlement==20,],)
> m21 <- lm(m6.1,data=data1[data1$parlement==21,],)
> m22 <- lm(m6.1,data=data1[data1$parlement==22,],)
> #m23 <- lm(m6.1,data=data1[data1$parlement==23,],)
> m24 <- lm(m6.1,data=data1[data1$parlement==24,],)
> #m25 <- lm(m6.1,data=data1[data1$parlement==25,],)
> m26 <- lm(m6.1,data=data1[data1$parlement==26,],)
> m27 <- lm(m6.1,data=data1[data1$parlement==27,],)
> m28 <- lm(m6.1,data=data1[data1$parlement==28,],)
> m29 <- lm(m6.1,data=data1[data1$parlement==29,],)
> m30 <- lm(m6.1,data=data1[data1$parlement==30,],)
> #m31 <- lm(m6.1,data=data1[data1$parlement==31,],)
> m32 <- lm(m6.1,data=data1[data1$parlement==32,],)
> m33 <- lm(m6.1,data=data1[data1$parlement==33,],)
> m34 <- lm(m6.1,data=data1[data1$parlement==34,],)
> #m35 <- lm(m6.1,data=data1[data1$parlement==35,],)
> m36 <- lm(m6.1,data=data1[data1$parlement==36,],)
> m37 <- lm(m6.1,data=data1[data1$parlement==37,],)
> m38 <- lm(m6.1,data=data1[data1$parlement==38,],)
> m39 <- lm(m6.1,data=data1[data1$parlement==39,],)
> m40 <- lm(m6.1,data=data1[data1$parlement==40,],)
>
> #Print results Conservatives
>
> summary(m1)

Call:
lm(formula = m6.1, data = data1[data1$parlement == 1, ])

Residuals:
     Min       1Q   Median       3Q      Max
-0.69951 -0.17199  0.07596  0.20107  0.50429

Coefficients:
                    Estimate Std. Error t value Pr(>|t|)
(Intercept)          0.95309    0.05771  16.515  < 2e-16 ***
ownparty            -0.23158    0.05479  -4.227 3.21e-05 ***
originprivate.member -0.22580    0.04277  -5.279 2.61e-07 ***
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.2733 on 280 degrees of freedom
Multiple R-squared:  0.09629,
  Adjusted R-squared:  0.08983
F-statistic: 14.92 on 2 and 280 DF,  p-value: 6.984e-07

> nobs(m1)
[1] 283
```

```
> summary(m2)

Call:
lm(formula = m6.1, data = data1[data1$parlement == 2, ])

Residuals:
     Min       1Q   Median       3Q      Max
-0.53758 -0.33624  0.00538  0.16244  0.43539

Coefficients:
                   Estimate Std. Error t value Pr(>|t|)
(Intercept)          1.3069     0.1702   7.678 4.32e-09 ***
ownparty            -0.3106     0.1221  -2.544  0.01539 *
originprivate.member  -0.4317     0.1425  -3.029  0.00452 **
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.3354 on 36 degrees of freedom
Multiple R-squared:  0.2438,
  Adjusted R-squared:  0.2018
F-statistic: 5.804 on 2 and 36 DF,  p-value: 0.006537

> nobs(m2)
[1] 39
> summary(m3)

Call:
lm(formula = m6.1, data = data1[data1$parlement == 3, ])

Residuals:
     Min       1Q   Median       3Q      Max
-0.56533 -0.31771  0.07104  0.27453  0.46340

Coefficients:
                   Estimate Std. Error t value Pr(>|t|)
(Intercept)          0.574099   0.041695  13.769   <2e-16 ***
ownparty            -0.028724   0.081707  -0.352    0.726
originprivate.member -0.008771   0.059839  -0.147    0.884
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.3146 on 124 degrees of freedom
Multiple R-squared:  0.001655,
  Adjusted R-squared:  -0.01445
F-statistic: 0.1028 on 2 and 124 DF,  p-value: 0.9024

> nobs(m3)
[1] 127
> summary(m4)

Call:
lm(formula = m6.1, data = data1[data1$parlement == 4, ])

Residuals:
     Min       1Q   Median       3Q      Max
-0.55992 -0.01581  0.01351  0.03274  0.29768

Coefficients:
                   Estimate Std. Error t value Pr(>|t|)
(Intercept)          0.975806   0.058267  16.747  < 2e-16 ***
ownparty            -0.008544   0.054287  -0.157    0.875
originprivate.member -0.264942   0.037285  -7.106 5.83e-11 ***
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.202 on 138 degrees of freedom
Multiple R-squared:  0.2993,
  Adjusted R-squared:  0.2891
F-statistic: 29.47 on 2 and 138 DF,  p-value: 2.206e-11

> nobs(m4)
```

```
[1] 141
> summary(m5)

Call:
lm(formula = m6.1, data = data1[data1$parlement == 5, ])

Residuals:
     Min       1Q   Median       3Q      Max
-0.89984 -0.11070  0.07743  0.10543  0.36441

Coefficients:
                   Estimate Std. Error t value Pr(>|t|)
(Intercept)         0.87767    0.06073   14.45  < 2e-16 ***
ownparty            0.04490    0.05477    0.82    0.413
originprivate.member -0.24208    0.04534   -5.34 2.44e-07 ***
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.2741 on 207 degrees of freedom
Multiple R-squared:  0.1906,
  Adjusted R-squared:  0.1828
F-statistic: 24.38 on 2 and 207 DF,  p-value: 3.106e-10

> nobs(m5)
[1] 210
> summary(m6)

Call:
lm(formula = m6.1, data = data1[data1$parlement == 6, ])

Residuals:
     Min       1Q   Median       3Q      Max
-0.87551 -0.06378  0.06423  0.08877  0.40250

Coefficients:
                   Estimate Std. Error t value Pr(>|t|)
(Intercept)         1.23142    0.07638  16.122  < 2e-16 ***
ownparty           -0.32019    0.06422  -4.986 2.12e-06 ***
originprivate.member -0.31373    0.05717  -5.488 2.33e-07 ***
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.2797 on 119 degrees of freedom
Multiple R-squared:  0.2558,
  Adjusted R-squared:  0.2433
F-statistic: 20.45 on 2 and 119 DF,  p-value: 2.315e-08

> nobs(m6)
[1] 122
> summary(m7)

Call:
lm(formula = m6.1, data = data1[data1$parlement == 7, ])

Residuals:
     Min       1Q   Median       3Q      Max
-0.71848  0.01101  0.06469  0.10344  0.13525

Coefficients:
                   Estimate Std. Error t value Pr(>|t|)
(Intercept)         0.90350    0.05118  17.654   <2e-16 ***
ownparty            0.03181    0.03808   0.835    0.405
originprivate.member -0.03875    0.04236  -0.915    0.362
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.1823 on 117 degrees of freedom
Multiple R-squared:  0.01839,
  Adjusted R-squared:  0.001606
F-statistic: 1.096 on 2 and 117 DF,  p-value: 0.3377
```

```
> nobs(m7)
[1] 120
> summary(m8)

Call:
lm(formula = m6.1, data = data1[data1$parlement == 8, ])

Residuals:
     Min       1Q   Median       3Q      Max
-0.75221 -0.02313  0.09049  0.14435  0.17232

Coefficients:
                    Estimate Std. Error t value Pr(>|t|)
(Intercept)          0.85565    0.04326  19.781   <2e-16 ***
ownparty             0.02785    0.07818   0.356    0.723
originprivate.member -0.02798    0.05523  -0.507    0.614
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.2329 on 83 degrees of freedom
Multiple R-squared:  0.003696,
  Adjusted R-squared:  -0.02031
F-statistic: 0.1539 on 2 and 83 DF,  p-value: 0.8576

> nobs(m8)
[1] 86
> summary(m9)

Call:
lm(formula = m6.1, data = data1[data1$parlement == 9, ])

Residuals:
     Min       1Q   Median       3Q      Max
-0.78378  0.02565  0.08064  0.09857  0.14463

Coefficients:
                    Estimate Std. Error t value Pr(>|t|)
(Intercept)          0.90143    0.03628  24.847   <2e-16 ***
ownparty            -0.02315    0.06431  -0.360    0.720
originprivate.member -0.02290    0.04704  -0.487    0.628
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.2052 on 89 degrees of freedom
Multiple R-squared:  0.005763,
  Adjusted R-squared:  -0.01658
F-statistic: 0.2579 on 2 and 89 DF,  p-value: 0.7732

> nobs(m9)
[1] 92
> summary(m10)

Call:
lm(formula = m6.1, data = data1[data1$parlement == 10, ])

Residuals:
     Min       1Q   Median       3Q      Max
-0.73514 -0.01344  0.04081  0.08306  0.18299

Coefficients:
                    Estimate Std. Error t value Pr(>|t|)
(Intercept)          0.81701    0.02399  34.061  < 2e-16 ***
ownparty             0.04758    0.04197   1.134  0.25931
originprivate.member  0.09459    0.03322   2.847  0.00525 **
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.1609 on 112 degrees of freedom
Multiple R-squared:  0.1099,
  Adjusted R-squared:  0.09397
F-statistic: 6.912 on 2 and 112 DF,  p-value: 0.001477
```

```
> nobs(m10)
[1] 115
> summary(m11)

Call:
lm(formula = m6.1, data = data1[data1$parlement == 11, ])

Residuals:
     Min       1Q   Median       3Q      Max
-0.69953  0.04243  0.04772  0.07947  0.16155

Coefficients:
                    Estimate Std. Error t value Pr(>|t|)
(Intercept)          0.83845    0.05379  15.587   <2e-16 ***
ownparty            -0.02952    0.07312  -0.404    0.688
originprivate.member  0.08209    0.06179   1.328    0.189
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.2003 on 56 degrees of freedom
Multiple R-squared:  0.0315,
  Adjusted R-squared:  -0.003089
F-statistic: 0.9107 on 2 and 56 DF,  p-value: 0.4081

> nobs(m11)
[1] 59
> summary(m12)

Call:
lm(formula = m6.1, data = data1[data1$parlement == 12, ])

Residuals:
     Min       1Q   Median       3Q      Max
-0.72033 -0.02257  0.02838  0.04842  0.07967

Coefficients:
                    Estimate Std. Error t value Pr(>|t|)
(Intercept)          0.99325    0.02696  36.840   <2e-16 ***
ownparty            -0.04760    0.02447  -1.946   0.0541 .
originprivate.member -0.02532    0.02015  -1.256   0.2115
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.09131 on 118 degrees of freedom
Multiple R-squared:  0.03138,
  Adjusted R-squared:  0.01496
F-statistic: 1.911 on 2 and 118 DF,  p-value: 0.1524

> nobs(m12)
[1] 121
> summary(m13)

Call:
lm(formula = m6.1, data = data1[data1$parlement == 13, ])

Residuals:
     Min       1Q   Median       3Q      Max
-0.81703 -0.04394  0.03939  0.08106  0.19568

Coefficients:
                    Estimate Std. Error t value Pr(>|t|)
(Intercept)          0.88351    0.06292  14.041   <2e-16 ***
ownparty             0.03544    0.05998   0.591    0.557
originprivate.member -0.10192    0.04085  -2.495    0.015 *
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.1542 on 70 degrees of freedom
Multiple R-squared:  0.1169,
  Adjusted R-squared:  0.09172
```

```
F-statistic: 4.635 on 2 and 70 DF,  p-value: 0.01287

> nobs(m13)
[1] 73
> summary(m14)

Call:
lm(formula = m6.1, data = data1[data1$parlement == 14, ])

Residuals:
     Min       1Q   Median       3Q      Max
-0.80464  0.00365  0.09536  0.18546  0.18546

Coefficients:
                    Estimate Std. Error t value Pr(>|t|)
(Intercept)          0.90464    0.04869  18.581   <2e-16 ***
ownparty             0.11652    0.10594   1.100    0.275
originprivate.member -0.09010    0.06143  -1.467    0.146
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.2622 on 82 degrees of freedom
Multiple R-squared:  0.03297,
  Adjusted R-squared:  0.009382
F-statistic: 1.398 on 2 and 82 DF,  p-value: 0.253

> nobs(m14)
[1] 85
> summary(m16)

Call:
lm(formula = m6.1, data = data1[data1$parlement == 16, ])

Residuals:
     Min       1Q   Median       3Q      Max
-0.79297 -0.00614  0.06533  0.14821  0.14821

Coefficients:
                    Estimate Std. Error t value Pr(>|t|)
(Intercept)          0.96801    0.04848  19.968   <2e-16 ***
ownparty             0.08288    0.05136   1.614   0.1100
originprivate.member -0.11622    0.05611  -2.071   0.0412 *
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.2057 on 91 degrees of freedom
Multiple R-squared:  0.05663,
  Adjusted R-squared:  0.03589
F-statistic: 2.731 on 2 and 91 DF,  p-value: 0.07049

> nobs(m16)
[1] 94
> summary(m17)

Call:
lm(formula = m6.1, data = data1[data1$parlement == 17, ])

Residuals:
     Min       1Q   Median       3Q      Max
-0.68315  0.00374  0.01807  0.02185  0.06685

Coefficients:
                    Estimate Std. Error t value Pr(>|t|)
(Intercept)          1.04126    0.02093  49.742  < 2e-16 ***
ownparty            -0.04500    0.01857  -2.423 0.016634 *
originprivate.member -0.06311    0.01867  -3.381 0.000928 ***
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.09088 on 146 degrees of freedom
Multiple R-squared:  0.07443,
```

```
  Adjusted R-squared:  0.06175
F-statistic:  5.87 on 2 and 146 DF,  p-value: 0.00353

> nobs(m17)
[1] 149
> summary(m18)

Call:
lm(formula = m6.1, data = data1[data1$parlement == 18, ])

Residuals:
     Min       1Q   Median       3Q      Max
-0.52493  0.00000  0.04650  0.04650  0.07068

Coefficients:
                   Estimate Std. Error t value Pr(>|t|)
(Intercept)         0.92932    0.03915  23.736   <2e-16 ***
ownparty            0.04650    0.06604   0.704    0.485
originprivate.member  0.02417    0.04540   0.532    0.597
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.1238 on 40 degrees of freedom
Multiple R-squared:  0.02298,
  Adjusted R-squared:  -0.02587
F-statistic: 0.4704 on 2 and 40 DF,  p-value: 0.6282

> nobs(m18)
[1] 43
> summary(m19)

Call:
lm(formula = m6.1, data = data1[data1$parlement == 19, ])

Residuals:
     Min       1Q   Median       3Q      Max
-0.86366  0.02283  0.03571  0.06491  0.06491

Coefficients:
                   Estimate Std. Error t value Pr(>|t|)
(Intercept)         0.97717    0.02964  32.970   <2e-16 ***
ownparty            0.02919    0.06157   0.474    0.637
originprivate.member -0.04208    0.03853  -1.092    0.278
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.1596 on 76 degrees of freedom
Multiple R-squared:  0.01597,
  Adjusted R-squared:  -0.00993
F-statistic: 0.6165 on 2 and 76 DF,  p-value: 0.5425

> nobs(m19)
[1] 79
> summary(m20)

Call:
lm(formula = m6.1, data = data1[data1$parlement == 20, ])

Residuals:
     Min       1Q   Median       3Q      Max
-0.87495  0.00162  0.06255  0.07818  0.07818

Coefficients:
                   Estimate Std. Error t value Pr(>|t|)
(Intercept)         0.93745    0.02319  40.425   <2e-16 ***
ownparty            0.07656    0.03854   1.987   0.0488 *
originprivate.member -0.01563    0.03109  -0.503   0.6159
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.172 on 149 degrees of freedom
```

```
Multiple R-squared:  0.02612,
  Adjusted R-squared:  0.01305
F-statistic: 1.998 on 2 and 149 DF,  p-value: 0.1392

> nobs(m20)
[1] 152
> summary(m21)

Call:
lm(formula = m6.1, data = data1[data1$parlement == 21, ])

Residuals:
     Min       1Q   Median       3Q      Max
-0.73132  0.02519  0.02519  0.03791  0.03791

Coefficients:
                   Estimate Std. Error t value Pr(>|t|)
(Intercept)         0.97481    0.01298  75.117   <2e-16 ***
ownparty            0.03791    0.02389   1.587    0.114
originprivate.member -0.01273    0.01603  -0.794    0.428
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.103 on 202 degrees of freedom
Multiple R-squared:  0.01325,
  Adjusted R-squared:  0.003476
F-statistic: 1.356 on 2 and 202 DF,  p-value: 0.2601

> nobs(m21)
[1] 205
> summary(m22)

Call:
lm(formula = m6.1, data = data1[data1$parlement == 22, ])

Residuals:
     Min       1Q   Median       3Q      Max
-0.93932  0.01125  0.01426  0.06068  0.06068

Coefficients:
                   Estimate Std. Error t value Pr(>|t|)
(Intercept)         0.98574    0.01293  76.241  < 2e-16 ***
ownparty            0.04942    0.02147   2.302  0.02212 *
originprivate.member -0.04642    0.01667  -2.785  0.00574 **
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.1213 on 260 degrees of freedom
Multiple R-squared:  0.03723,
  Adjusted R-squared:  0.02982
F-statistic: 5.027 on 2 and 260 DF,  p-value: 0.007211

> nobs(m22)
[1] 263
> summary(m24)

Call:
lm(formula = m6.1, data = data1[data1$parlement == 24, ])

Residuals:
      Min        1Q    Median        3Q       Max
-0.093979  0.000475  0.001019  0.001597  0.002175

Coefficients:
                   Estimate Std. Error t value Pr(>|t|)
(Intercept)         1.000681   0.001417 706.150   <2e-16 ***
ownparty           -0.001156   0.001230  -0.940    0.348
originprivate.member -0.001700   0.001143  -1.487    0.138
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1
```

```
Residual standard error: 0.007207 on 240 degrees of freedom
Multiple R-squared:  0.009172,
  Adjusted R-squared:  0.0009155
F-statistic: 1.111 on 2 and 240 DF,  p-value: 0.331

> nobs(m24)
[1] 243
> summary(m26)

Call:
lm(formula = m6.1, data = data1[data1$parlement == 26, ])

Residuals:
     Min       1Q   Median       3Q      Max
-0.73044  0.00202  0.03879  0.03879  0.03966

Coefficients:
                      Estimate Std. Error t value Pr(>|t|)
(Intercept)          0.9603386  0.0153485  62.569   <2e-16 ***
ownparty             0.0367670  0.0231164   1.591    0.114
originprivate.member 0.0008701  0.0186652   0.047    0.963
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.0895 on 121 degrees of freedom
Multiple R-squared:  0.0223,
  Adjusted R-squared:  0.006135
F-statistic:  1.38 on 2 and 121 DF,  p-value: 0.2556

> nobs(m26)
[1] 124
> summary(m27)

Call:
lm(formula = m6.1, data = data1[data1$parlement == 27, ])

Residuals:
     Min       1Q   Median       3Q      Max
-0.78470  0.04020  0.07578  0.07578  0.07578

Coefficients:
                     Estimate Std. Error t value Pr(>|t|)
(Intercept)           0.92422    0.02072   44.60   <2e-16 ***
ownparty              0.06146    0.08083    0.76    0.449
originprivate.member  0.01432    0.04337    0.33    0.742
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.1746 on 95 degrees of freedom
Multiple R-squared:  0.01125,
  Adjusted R-squared:  -0.009571
F-statistic: 0.5402 on 2 and 95 DF,  p-value: 0.5844

> nobs(m27)
[1] 98
> summary(m28)

Call:
lm(formula = m6.1, data = data1[data1$parlement == 28, ])

Residuals:
     Min       1Q   Median       3Q      Max
-0.75182  0.00000  0.03887  0.03887  0.03887

Coefficients:
                      Estimate Std. Error t value Pr(>|t|)
(Intercept)           0.961125   0.006899 139.309   <2e-16 ***
ownparty             -0.010526   0.022695  -0.464   0.6431
originprivate.member  0.038875   0.015475   2.512   0.0124 *
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1
```

```
Residual standard error: 0.1108 on 357 degrees of freedom
Multiple R-squared:  0.02054,
  Adjusted R-squared:  0.01505
F-statistic: 3.744 on 2 and 357 DF,  p-value: 0.0246

> nobs(m28)
[1] 360
> summary(m29)

Call:
lm(formula = m6.1, data = data1[data1$parlement == 29, ])

Residuals:
     Min       1Q   Median       3Q      Max
-0.86630  0.01774  0.04305  0.04305  0.07875

Coefficients:
                   Estimate Std. Error t value Pr(>|t|)
(Intercept)         0.95695    0.01928  49.624   <2e-16 ***
ownparty            0.07875    0.06587   1.196    0.235
originprivate.member -0.03570    0.04724  -0.756    0.452
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.1494 on 78 degrees of freedom
Multiple R-squared:  0.01803,
  Adjusted R-squared:  -0.007148
F-statistic: 0.7161 on 2 and 78 DF,  p-value: 0.4918

> nobs(m29)
[1] 81
> summary(m30)

Call:
lm(formula = m6.1, data = data1[data1$parlement == 30, ])

Residuals:
     Min       1Q   Median       3Q      Max
-0.75299  0.00258  0.01181  0.03648  0.03648

Coefficients:
                     Estimate Std. Error t value Pr(>|t|)
(Intercept)          9.635e-01  4.874e-03 197.680   <2e-16 ***
ownparty            -6.301e-05  1.719e-02  -0.004   0.9971
originprivate.member  2.473e-02  1.225e-02   2.020   0.0442 *
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.08024 on 357 degrees of freedom
Multiple R-squared:  0.01748,
  Adjusted R-squared:  0.01198
F-statistic: 3.176 on 2 and 357 DF,  p-value: 0.04293

> nobs(m30)
[1] 360
> summary(m32)

Call:
lm(formula = m6.1, data = data1[data1$parlement == 32, ])

Residuals:
     Min       1Q   Median       3Q      Max
-0.34442  0.00252  0.00252  0.00252  0.01284

Coefficients:
                     Estimate Std. Error  t value Pr(>|t|)
(Intercept)          0.9974832  0.0009547 1044.786   <2e-16 ***
ownparty            -0.0089887  0.0049749   -1.807   0.0713 .
originprivate.member -0.0013363  0.0035154   -0.380   0.7040
---
```

```
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.02219 on 617 degrees of freedom
  (1 observation deleted due to missingness)
Multiple R-squared:  0.01207,
  Adjusted R-squared:  0.008865
F-statistic: 3.768 on 2 and 617 DF,  p-value: 0.02362

> nobs(m32)
[1] 620
> summary(m33)

Call:
lm(formula = m6.1, data = data1[data1$parlement == 33, ])

Residuals:
     Min       1Q   Median       3Q      Max
-0.97748 -0.00088  0.01835  0.01835  0.04852

Coefficients:
                    Estimate Std. Error t value Pr(>|t|)
(Intercept)          0.95565    0.01677  56.971   <2e-16 ***
ownparty             0.02600    0.01660   1.566    0.118
originprivate.member -0.00417    0.01477  -0.282    0.778
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.08331 on 909 degrees of freedom
  (3 observations deleted due to missingness)
Multiple R-squared:  0.01061,
  Adjusted R-squared:  0.008433
F-statistic: 4.874 on 2 and 909 DF,  p-value: 0.007845

> nobs(m33)
[1] 912
> summary(m34)

Call:
lm(formula = m6.1, data = data1[data1$parlement == 34, ])

Residuals:
     Min       1Q   Median       3Q      Max
-0.78063 -0.00409  0.01409  0.01409  0.02861

Coefficients:
                    Estimate Std. Error t value Pr(>|t|)
(Intercept)         0.971395   0.011984  81.056   <2e-16 ***
ownparty            0.014518   0.011886   1.221    0.222
originprivate.member 0.009239   0.010874   0.850    0.396
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.04812 on 966 degrees of freedom
  (7 observations deleted due to missingness)
Multiple R-squared:  0.001793,
  Adjusted R-squared:  -0.0002741
F-statistic: 0.8674 on 2 and 966 DF,  p-value: 0.4204

> nobs(m34)
[1] 969
> summary(m36)

Call:
lm(formula = m6.1, data = data1[data1$parlement == 36, ])

Residuals:
     Min       1Q   Median       3Q      Max
-0.99402  0.00598  0.00598  0.00598  0.05471

Coefficients:
                     Estimate Std. Error t value Pr(>|t|)
```

```
(Intercept)           0.994020   0.001711 581.055  < 2e-16 ***
ownparty              0.054709   0.021100   2.593  0.00959 **
originprivate.member -0.048729   0.006217  -7.838 7.43e-15 ***
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.07296 on 1978 degrees of freedom
  (10 observations deleted due to missingness)
Multiple R-squared:  0.03023,
  Adjusted R-squared:  0.02925
F-statistic: 30.83 on 2 and 1978 DF,  p-value: 6.545e-14

> nobs(m36)
[1] 1981
> summary(m37)

Call:
lm(formula = m6.1, data = data1[data1$parlement == 37, ])

Residuals:
     Min       1Q   Median       3Q      Max
-0.90143  0.06362  0.06362  0.06362  0.09857

Coefficients:
                     Estimate Std. Error t value Pr(>|t|)
(Intercept)          0.936378   0.008487 110.326   <2e-16 ***
ownparty             0.098565   0.054784   1.799   0.0724 .
originprivate.member -0.034943   0.018846  -1.854   0.0641 .
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.2019 on 722 degrees of freedom
  (2 observations deleted due to missingness)
Multiple R-squared:  0.007204,
  Adjusted R-squared:  0.004454
F-statistic:  2.62 on 2 and 722 DF,  p-value: 0.07352

> nobs(m37)
[1] 725
> summary(m38)

Call:
lm(formula = m6.1, data = data1[data1$parlement == 38, ])

Residuals:
     Min       1Q   Median       3Q      Max
-0.84886  0.00149  0.00822  0.00822  0.10352

Coefficients:
                     Estimate Std. Error t value Pr(>|t|)
(Intercept)           0.99178    0.01034  95.948  < 2e-16 ***
ownparty              0.10203    0.02125   4.802 3.22e-06 ***
originprivate.member -0.09530    0.01850  -5.150 6.59e-07 ***
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.1018 on 186 degrees of freedom
  (1 observation deleted due to missingness)
Multiple R-squared:  0.1433,
  Adjusted R-squared:  0.1341
F-statistic: 15.56 on 2 and 186 DF,  p-value: 5.644e-07

> nobs(m38)
[1] 189
> summary(m39)

Call:
lm(formula = m6.1, data = data1[data1$parlement == 39, ])

Residuals:
     Min       1Q   Median       3Q      Max
```

```
-0.56584  0.00162  0.00162  0.01472  0.02131

Coefficients:
                     Estimate Std. Error t value Pr(>|t|)
(Intercept)          1.004973   0.010146  99.049   <2e-16 ***
ownparty            -0.006590   0.009503  -0.693   0.4885
originprivate.member -0.019694   0.009515  -2.070   0.0392 *
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.05057 on 377 degrees of freedom
Multiple R-squared:  0.0205,
  Adjusted R-squared:  0.0153
F-statistic: 3.945 on 2 and 377 DF,  p-value: 0.02016

> nobs(m39)
[1] 380
> summary(m40)

Call:
lm(formula = m6.1, data = data1[data1$parlement == 40, ])

Residuals:
     Min       1Q   Median       3Q      Max
-0.70029  0.00014  0.01014  0.01014  0.02030

Coefficients:
                     Estimate Std. Error t value Pr(>|t|)
(Intercept)          1.010018   0.008542 118.244  < 2e-16 ***
ownparty            -0.010155   0.007654  -1.327  0.18543
originprivate.member -0.020161   0.007758  -2.599  0.00974 **
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.04858 on 359 degrees of freedom
Multiple R-squared:  0.02064,
  Adjusted R-squared:  0.01518
F-statistic: 3.783 on 2 and 359 DF,  p-value: 0.02367

> nobs(m40)
[1] 362
>
> mmm1 <- coeftest(m1, vcov = vcovHAC(m1))
> mmm1

t test of coefficients:

                     Estimate Std. Error t value  Pr(>|t|)
(Intercept)          0.953085   0.091739 10.3891 < 2.2e-16 ***
ownparty            -0.231578   0.088223 -2.6249 0.0091431 **
originprivate.member -0.225800   0.066913 -3.3745 0.0008439 ***
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

> mmm2 <- coeftest(m2, vcov = vcovHAC(m2))
> mmm2

t test of coefficients:

                    Estimate Std. Error t value  Pr(>|t|)
(Intercept)          1.30688    0.16965  7.7034 4.012e-09 ***
ownparty            -0.31061    0.16998 -1.8273  0.075955 .
originprivate.member -0.43166    0.15447 -2.7944  0.008282 **
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

> mmm3 <- coeftest(m3, vcov = vcovHAC(m3))
> mmm3

t test of coefficients:
```

```
                      Estimate Std. Error t value Pr(>|t|)
(Intercept)           0.5740989  0.0499220 11.4999   <2e-16 ***
ownparty             -0.0287243  0.0981929 -0.2925   0.7704
originprivate.member -0.0087715  0.0781073 -0.1123   0.9108
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

> mmm4 <- coeftest(m4, vcov = vcovHAC(m4))
> mmm4

t test of coefficients:

                      Estimate Std. Error t value  Pr(>|t|)
(Intercept)           0.9758057  0.0875335 11.1478 < 2.2e-16 ***
ownparty             -0.0085444  0.0874109 -0.0977    0.9223
originprivate.member -0.2649418  0.0569455 -4.6525 7.601e-06 ***
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

> mmm5 <- coeftest(m5, vcov = vcovHAC(m5))
> mmm5

t test of coefficients:

                     Estimate Std. Error t value  Pr(>|t|)
(Intercept)           0.877671   0.082375 10.6546 < 2.2e-16 ***
ownparty              0.044896   0.077404  0.5800    0.5625
originprivate.member -0.242078   0.057675 -4.1973 4.009e-05 ***
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

> mmm6 <- coeftest(m6, vcov = vcovHAC(m6))
> mmm6

t test of coefficients:

                     Estimate Std. Error t value  Pr(>|t|)
(Intercept)           1.231415   0.076102 16.1811 < 2.2e-16 ***
ownparty             -0.320189   0.060384 -5.3026 5.341e-07 ***
originprivate.member -0.313726   0.069096 -4.5405 1.353e-05 ***
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

> mmm7 <- coeftest(m7, vcov = vcovHAC(m7))
> mmm7

t test of coefficients:

                     Estimate Std. Error t value Pr(>|t|)
(Intercept)           0.903499   0.044583 20.2655   <2e-16 ***
ownparty              0.031813   0.043594  0.7298   0.4670
originprivate.member -0.038752   0.028453 -1.3620   0.1758
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

> mmm8 <- coeftest(m8, vcov = vcovHAC(m8))
> mmm8

t test of coefficients:

                     Estimate Std. Error t value Pr(>|t|)
(Intercept)           0.855653   0.044624 19.1747   <2e-16 ***
ownparty              0.027854   0.073680  0.3780   0.7064
originprivate.member -0.027976   0.061174 -0.4573   0.6486
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

> mmm9 <- coeftest(m9, vcov = vcovHAC(m9))
> mmm9

t test of coefficients:
```

```
                      Estimate Std. Error t value Pr(>|t|)
(Intercept)           0.901431   0.044267 20.3637   <2e-16 ***
ownparty             -0.023154   0.077605 -0.2984   0.7661
originprivate.member -0.022902   0.052002 -0.4404   0.6607
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

> mmm10 <- coeftest(m10, vcov = vcovHAC(m10))
> mmm10

t test of coefficients:

                     Estimate Std. Error t value Pr(>|t|)
(Intercept)          0.817015   0.028670 28.4974  < 2e-16 ***
ownparty             0.047583   0.024670  1.9288  0.05629 .
originprivate.member 0.094594   0.036947  2.5603  0.01179 *
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

> mmm11 <- coeftest(m11, vcov = vcovHAC(m11))
> mmm11

t test of coefficients:

                      Estimate Std. Error t value Pr(>|t|)
(Intercept)           0.838447   0.066160 12.6730   <2e-16 ***
ownparty             -0.029518   0.088529 -0.3334   0.7401
originprivate.member  0.082085   0.070107  1.1709   0.2466
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

> mmm12 <- coeftest(m12, vcov = vcovHAC(m12))
> mmm12

t test of coefficients:

                      Estimate Std. Error t value Pr(>|t|)
(Intercept)           0.993253   0.031592 31.4403   <2e-16 ***
ownparty             -0.047603   0.030553 -1.5581   0.1219
originprivate.member -0.025318   0.031069 -0.8149   0.4168
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

> mmm13 <- coeftest(m13, vcov = vcovHAC(m13))
> mmm13

t test of coefficients:

                      Estimate Std. Error t value Pr(>|t|)
(Intercept)           0.883506   0.082065 10.7659  < 2e-16 ***
ownparty              0.035439   0.083075  0.4266  0.67099
originprivate.member -0.101916   0.049903 -2.0423  0.04489 *
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

> mmm14 <- coeftest(m14, vcov = vcovHAC(m14))
> mmm14

t test of coefficients:

                      Estimate Std. Error t value Pr(>|t|)
(Intercept)           0.904639   0.044297 20.4223   <2e-16 ***
ownparty              0.116517   0.074145  1.5715   0.1199
originprivate.member -0.090103   0.067440 -1.3360   0.1852
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

> mmm16 <- coeftest(m16, vcov = vcovHAC(m16))
> mmm16
```

```
t test of coefficients:

                     Estimate Std. Error t value  Pr(>|t|)
(Intercept)          0.968014   0.015425 62.7576 < 2.2e-16 ***
ownparty             0.082880   0.047644  1.7396  0.085315 .
originprivate.member -0.116222   0.037318 -3.1144  0.002465 **
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

> mmm17 <- coeftest(m17, vcov = vcovHAC(m17))
> mmm17

t test of coefficients:

                     Estimate Std. Error t value Pr(>|t|)
(Intercept)          1.041262   0.026267 39.6408  < 2e-16 ***
ownparty            -0.045000   0.027805 -1.6184  0.10774
originprivate.member -0.063110   0.027362 -2.3065  0.02249 *
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

> mmm18 <- coeftest(m18, vcov = vcovHAC(m18))
> mmm18

t test of coefficients:

                    Estimate Std. Error t value Pr(>|t|)
(Intercept)          0.929323   0.039015 23.8195  < 2e-16 ***
ownparty             0.046503   0.023579  1.9722  0.05553 .
originprivate.member 0.024175   0.046807  0.5165  0.60837
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

> mmm19 <- coeftest(m19, vcov = vcovHAC(m19))
> mmm19

t test of coefficients:

                     Estimate Std. Error t value Pr(>|t|)
(Intercept)          0.977170   0.013054 74.8583   <2e-16 ***
ownparty             0.029194   0.047168  0.6189   0.5378
originprivate.member -0.042078   0.034451 -1.2214   0.2257
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

> mmm20 <- coeftest(m20, vcov = vcovHAC(m20))
> mmm20

t test of coefficients:

                     Estimate Std. Error t value  Pr(>|t|)
(Intercept)          0.937447   0.025697 36.4801 < 2.2e-16 ***
ownparty             0.076559   0.022937  3.3378  0.001067 **
originprivate.member -0.015629   0.034398 -0.4544  0.650227
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

> mmm21 <- coeftest(m21, vcov = vcovHAC(m21))
> mmm21

t test of coefficients:

                      Estimate Std. Error  t value  Pr(>|t|)
(Intercept)          0.9748143  0.0095318 102.2694 < 2.2e-16 ***
ownparty             0.0379109  0.0112242   3.3776 0.0008772 ***
originprivate.member -0.0127252  0.0146947  -0.8660 0.3875320
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

> mmm22 <- coeftest(m22, vcov = vcovHAC(m22))
> mmm22
```

```
t test of coefficients:

                     Estimate Std. Error  t value  Pr(>|t|)
(Intercept)          0.985744   0.005155 191.2208 < 2.2e-16 ***
ownparty             0.049423   0.016374   3.0183  0.002794 **
originprivate.member -0.046420   0.017232  -2.6939  0.007522 **
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

> mmm24 <- coeftest(m24, vcov = vcovHAC(m24))
> mmm24

t test of coefficients:

                      Estimate Std. Error  t value Pr(>|t|)
(Intercept)          1.0006810  0.0019593 510.7463   <2e-16 ***
ownparty            -0.0011560  0.0019110  -0.6049   0.5458
originprivate.member -0.0016998  0.0018296  -0.9291   0.3538
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

> mmm26 <- coeftest(m26, vcov = vcovHAC(m26))
> mmm26

t test of coefficients:

                      Estimate Std. Error t value  Pr(>|t|)
(Intercept)          0.96033861 0.01237110 77.6276 < 2.2e-16 ***
ownparty             0.03676702 0.01325359  2.7741  0.006413 **
originprivate.member 0.00087008 0.01788808  0.0486  0.961286
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

> mmm27 <- coeftest(m27, vcov = vcovHAC(m27))
> mmm27

t test of coefficients:

                     Estimate Std. Error t value Pr(>|t|)
(Intercept)          0.924220   0.023535 39.2694   <2e-16 ***
ownparty             0.061457   0.043906  1.3997   0.1648
originprivate.member 0.014323   0.050306  0.2847   0.7765
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

> mmm28 <- coeftest(m28, vcov = vcovHAC(m28))
> mmm28

t test of coefficients:

                      Estimate Std. Error  t value  Pr(>|t|)
(Intercept)          0.9611254  0.0084084 114.3058 < 2.2e-16 ***
ownparty            -0.0105263  0.0104441  -1.0079    0.3142
originprivate.member  0.0388746  0.0084084   4.6233 5.286e-06 ***
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

> mmm29 <- coeftest(m29, vcov = vcovHAC(m29))
> mmm29

t test of coefficients:

                     Estimate Std. Error t value Pr(>|t|)
(Intercept)          0.956946   0.018270 52.3768   <2e-16 ***
ownparty             0.078755   0.075846  1.0383   0.3023
originprivate.member -0.035701   0.078080 -0.4572   0.6488
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

> mmm30 <- coeftest(m30, vcov = vcovHAC(m30))
```

```
> mmm30

t test of coefficients:

                        Estimate  Std. Error  t value  Pr(>|t|)
(Intercept)           9.6352e-01  7.8892e-03 122.1321 < 2.2e-16 ***
ownparty             -6.3014e-05  3.5022e-03  -0.0180  0.985655
originprivate.member  2.4734e-02  8.2823e-03   2.9864  0.003018 **
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

> mmm32 <- coeftest(m32, vcov = vcovHAC(m32))
> mmm32

t test of coefficients:

                        Estimate  Std. Error   t value Pr(>|t|)
(Intercept)           0.99748321  0.00086221 1156.8900   <2e-16 ***
ownparty             -0.00898866  0.00782059   -1.1494   0.2509
originprivate.member -0.00133628  0.00255206   -0.5236   0.6007
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

> mmm33 <- coeftest(m33, vcov = vcovHAC(m33))
> mmm33

t test of coefficients:

                       Estimate Std. Error t value Pr(>|t|)
(Intercept)           0.9556511  0.0981190  9.7397   <2e-16 ***
ownparty              0.0259989  0.0965271  0.2693   0.7877
originprivate.member -0.0041698  0.0835204 -0.0499   0.9602
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

> mmm34 <- coeftest(m34, vcov = vcovHAC(m34))
> mmm34

t test of coefficients:

                       Estimate Std. Error t value Pr(>|t|)
(Intercept)           0.9713947  0.0107169 90.6413  < 2e-16 ***
ownparty              0.0145183  0.0098928  1.4676  0.14255
originprivate.member 0.0092389  0.0037525  2.4620  0.01399 *
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

> mmm36 <- coeftest(m36, vcov = vcovHAC(m36))
> mmm36

t test of coefficients:

                       Estimate Std. Error  t value  Pr(>|t|)
(Intercept)           0.9940200  0.0018886 526.3282 < 2.2e-16 ***
ownparty              0.0547089  0.0170355   3.2115  0.001342 **
originprivate.member -0.0487288  0.0171832  -2.8359  0.004617 **
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

> mmm37 <- coeftest(m37, vcov = vcovHAC(m37))
> mmm37

t test of coefficients:

                       Estimate Std. Error t value  Pr(>|t|)
(Intercept)           0.936378   0.016985 55.1293 < 2.2e-16 ***
ownparty              0.098565   0.022993  4.2868 2.059e-05 ***
originprivate.member -0.034943   0.028137 -1.2419    0.2147
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1
```

```
> mmm38 <- coeftest(m38, vcov = vcovHAC(m38))
> mmm38

t test of coefficients:

                      Estimate Std. Error  t value  Pr(>|t|)
(Intercept)           0.9917783  0.0027858 356.0063 < 2.2e-16 ***
ownparty              0.1020278  0.0325259   3.1368  0.001986 **
originprivate.member -0.0953005  0.0325394  -2.9288  0.003829 **
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

> mmm39 <- coeftest(m39, vcov = vcovHAC(m39))
> mmm39

t test of coefficients:

                      Estimate Std. Error t value Pr(>|t|)
(Intercept)           1.004973   0.017527 57.3389   <2e-16 ***
ownparty             -0.006590   0.017697 -0.3724   0.7098
originprivate.member -0.019694   0.017579 -1.1203   0.2633
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

> mmm40 <- coeftest(m40, vcov = vcovHAC(m40))
> mmm40

t test of coefficients:

                      Estimate Std. Error t value Pr(>|t|)
(Intercept)           1.010018   0.014244 70.9102   <2e-16 ***
ownparty             -0.010155   0.014435 -0.7035   0.4822
originprivate.member -0.020161   0.014196 -1.4202   0.1564
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

>
> #save parameters for graphic
>
> coef <- mmm1[3,1]
> se <- mmm1[3,2]
> conff1 <- coef + c(-1,1)*se*qt(0.975, m1$df.residual)
> conff1 <- c(conff1,coef,"1st (1867-1872)")
> coef <- mmm2[3,1]
> se <- mmm2[3,2]
> conff2 <- coef + c(-1,1)*se*qt(0.975, m2$df.residual)
> conff2 <- c(conff2,coef,"2nd (1872-1874)")
> coef <- mmm3[3,1]
> se <- mmm3[3,2]
> conff3 <- coef + c(-1,1)*se*qt(0.975, m3$df.residual)
> conff3 <- c(conff3,coef,"3rd (1874-1878)")
> coef <- mmm4[3,1]
> se <- mmm4[3,2]
> conff4 <- coef + c(-1,1)*se*qt(0.975, m4$df.residual)
> conff4 <- c(conff4,coef,"4th (1879-1882)")
> coef <- mmm5[3,1]
> se <- mmm5[3,2]
> conff5 <- coef + c(-1,1)*se*qt(0.975, m5$df.residual)
> conff5 <- c(conff5,coef,"5th (1883-1887)")
> coef <- mmm6[3,1]
> se <- mmm6[3,2]
> conff6 <- coef + c(-1,1)*se*qt(0.975, m6$df.residual)
> conff6 <- c(conff6,coef,"6th (1887-1891)")
> coef <- mmm7[3,1]
> se <- mmm7[3,2]
> conff7 <- coef + c(-1,1)*se*qt(0.975, m7$df.residual)
> conff7 <- c(conff7,coef,"7th (1891-1896)")
> coef <- mmm8[3,1]
> se <- mmm8[3,2]
> conff8 <- coef + c(-1,1)*se*qt(0.975, m8$df.residual)
> conff8 <- c(conff8,coef,"8th (1896-1900)")
```

```
> coef <- mmm9[3,1]
> se <- mmm9[3,2]
> conff9 <- coef + c(-1,1)*se*qt(0.975, m9$df.residual)
> conff9 <- c(conff9,coef,"9th (1901-1904)")
> coef <- mmm10[3,1]
> se <- mmm10[3,2]
> conff10 <- coef + c(-1,1)*se*qt(0.975, m10$df.residual)
> conff10 <- c(conff10,coef,"10th (1905-1908)")
> coef <- mmm11[3,1]
> se <- mmm11[3,2]
> conff11 <- coef + c(-1,1)*se*qt(0.975, m11$df.residual)
> conff11 <- c(conff11,coef,"11th (1909-1911)")
> coef <- mmm12[3,1]
> se <- mmm12[3,2]
> conff12 <- coef + c(-1,1)*se*qt(0.975, m12$df.residual)
> conff12 <- c(conff12,coef,"12th (1911-1917)")
> coef <- mmm13[3,1]
> se <- mmm13[3,2]
> conff13 <- coef + c(-1,1)*se*qt(0.975, m13$df.residual)
> conff13 <- c(conff13,coef,"13th (1917-1921)")
> coef <- mmm14[3,1]
> se <- mmm14[3,2]
> conff14 <- coef + c(-1,1)*se*qt(0.975, m14$df.residual)
> conff14 <- c(conff14,coef,"14th (1921-1925)")
> coef <- mmm16[3,1]
> se <- mmm16[3,2]
> conff16 <- coef + c(-1,1)*se*qt(0.975, m16$df.residual)
> conff16 <- c(conff16,coef,"16th (1926-1930)")
> coef <- mmm17[3,1]
> se <- mmm17[3,2]
> conff17 <- coef + c(-1,1)*se*qt(0.975, m17$df.residual)
> conff17 <- c(conff17,coef,"17th (1930-1935)")
> coef <- mmm18[3,1]
> se <- mmm18[3,2]
> conff18 <- coef + c(-1,1)*se*qt(0.975, m18$df.residual)
> conff18 <- c(conff18,coef,"18th (1935-1940)")
> coef <- mmm19[3,1]
> se <- mmm19[3,2]
> conff19 <- coef + c(-1,1)*se*qt(0.975, m19$df.residual)
> conff19 <- c(conff19,coef,"19th (1940-1945)")
> coef <- mmm20[3,1]
> se <- mmm20[3,2]
> conff20 <- coef + c(-1,1)*se*qt(0.975, m20$df.residual)
> conff20 <- c(conff20,coef,"20th (1945-1949)")
> coef <- mmm21[3,1]
> se <- mmm21[3,2]
> conff21 <- coef + c(-1,1)*se*qt(0.975, m21$df.residual)
> conff21 <- c(conff21,coef,"21st (1949-1953)")
> coef <- mmm22[3,1]
> se <- mmm22[3,2]
> conff22 <- coef + c(-1,1)*se*qt(0.975, m22$df.residual)
> conff22 <- c(conff22,coef,"22nd (1953-1957)")
> coef <- mmm24[3,1]
> se <- mmm24[3,2]
> conff24 <- coef + c(-1,1)*se*qt(0.975, m24$df.residual)
> conff24 <- c(conff24,coef,"24th (1958-1962)")
> coef <- mmm26[3,1]
> se <- mmm26[3,2]
> conff26 <- coef + c(-1,1)*se*qt(0.975, m26$df.residual)
> conff26 <- c(conff26,coef,"26th (1963-1965)")
> coef <- mmm27[3,1]
> se <- mmm27[3,2]
> conff27 <- coef + c(-1,1)*se*qt(0.975, m27$df.residual)
> conff27 <- c(conff27,coef,"27th (1965-1968)")
> coef <- mmm28[3,1]
> se <- mmm28[3,2]
> conff28 <- coef + c(-1,1)*se*qt(0.975, m28$df.residual)
> conff28 <- c(conff28,coef,"28th (1968-1972)")
> coef <- mmm29[3,1]
> se <- mmm29[3,2]
> conff29 <- coef + c(-1,1)*se*qt(0.975, m29$df.residual)
```

```
> conff29 <- c(conff29,coef,"29th (1972-1974)")
> coef <- mmm30[3,1]
> se <- mmm30[3,2]
> conff30 <- coef + c(-1,1)*se*qt(0.975, m30$df.residual)
> conff30 <- c(conff30,coef,"30th (1974-1979)")
> coef <- mmm32[3,1]
> se <- mmm32[3,2]
> conff32 <- coef + c(-1,1)*se*qt(0.975, m32$df.residual)
> conff32 <- c(conff32,coef,"32nd (1980-1984)")
> coef <- mmm33[3,1]
> se <- mmm33[3,2]
> conff33 <- coef + c(-1,1)*se*qt(0.975, m33$df.residual)
> conff33 <- c(conff33,coef,"33rd (1984-1988)")
> coef <- mmm34[3,1]
> se <- mmm34[3,2]
> conff34 <- coef + c(-1,1)*se*qt(0.975, m34$df.residual)
> conff34 <- c(conff34,coef,"34th (1988-1993)")
> coef <- mmm36[3,1]
> se <- mmm36[3,2]
> conff36 <- coef + c(-1,1)*se*qt(0.975, m36$df.residual)
> conff36 <- c(conff36,coef,"36th (1997-2000)")
> coef <- mmm37[3,1]
> se <- mmm37[3,2]
> conff37 <- coef + c(-1,1)*se*qt(0.975, m37$df.residual)
> conff37 <- c(conff37,coef,"37th (2001-2004)")
> coef <- mmm38[3,1]
> se <- mmm38[3,2]
> conff38 <- coef + c(-1,1)*se*qt(0.975, m38$df.residual)
> conff38 <- c(conff38,coef,"38th (2004-2005)")
> coef <- mmm39[3,1]
> se <- mmm39[3,2]
> conff39 <- coef + c(-1,1)*se*qt(0.975, m39$df.residual)
> conff39 <- c(conff39,coef,"39th (2006-2008)")
> coef <- mmm40[3,1]
> se <- mmm40[3,2]
> conff40 <- coef + c(-1,1)*se*qt(0.975, m40$df.residual)
> conff40 <- c(conff40,coef,"40th (2008-2011)")
>
>
> ############
> #Figure 6.1#
> ############
>
> all <-
rbind(conf40,conf39,conf38,conf37,conf36,conf35,conf34,conf33,conf32,conf30,conf29,conf28,conf27,conf26,conf24,
conf22,conf21,conf20,conf19,conf18,conf17,conf16,conf14,conf13,conf12,conf11,conf10,conf9,conf8,conf7,conf6,con
f5,conf4,conf3,conf2,conf1)
>
> colnames(all) <- c("low","high","coef","V1")
> all <- data.frame(all)
> all$low <- as.numeric(as.character(all$low))
> all$high <- as.numeric(as.character(all$high))
> all$coef <- as.numeric(as.character(all$coef))
>
> #library(ggplot2)
> #tiff(file = "~/Dropbox/Canada-Manuscript/Figures-Final/Figure-6.1.2.jpg", width = 8, height = 8, units =
'in', res = 200)
> #ggplot(all, aes(V1,xx, ymin = low,ymax = high))+
> #  scale_x_discrete('Parliaments (1867-2011)',limits=all$V1) +
> #  scale_y_continuous('95% Confidence Intervals for Private Member Motions',limits=c(-.75,.75)) +
> #  theme_bw() +
> #  geom_errorbar(aes(x = V1, y = coef),size=.3,width=.2) +
> #  geom_point(aes(x = V1, y = coef)) +
> #  geom_hline(yintercept=0) +
> #  coord_flip() +
> #  ggtitle("Liberal MPs") +
> #  theme(plot.title = element_text(hjust = .5))
> #dev.off()
>
> all <-
rbind(conff40,conff39,conff38,conff37,conff36,conff34,conff33,conff32,conff30,conff29,conff28,conff27,conff26,c
```

```
onff24,conff22,conff21,conff20,conff19,conff18,conff17,conff16,conff14,conff13,conff12,conff11,conff10,conff9,c
onff8,conff7,conff6,conff5,conff4,conff3,conff2,conff1)
>
> colnames(all) <- c("low","high","coef","V1")
> all <- data.frame(all)
> all$low <- as.numeric(as.character(all$low))
> all$high <- as.numeric(as.character(all$high))
> all$coef <- as.numeric(as.character(all$coef))
>
> #library(ggplot2)
> #tiff(file = "~/Dropbox/Canada-Manuscript/Figures-Final/Figure-6.1.1.jpg", width = 8, height = 8, units =
'in', res = 200)
> #ggplot(all, aes(V1,xx, ymin = low,ymax = high))+
> #  scale_x_discrete('Parliaments (1867-2011)',limits=all$V1) +
> #  scale_y_continuous('95% Confidence Intervals for Private Member Motions',limits=c(-.75,.75)) +
> #  theme_bw() +
> #  geom_errorbar(aes(x = V1, y = coef),size=.3,width=.2) +
> #  geom_point(aes(x = V1, y = coef)) +
> #  geom_hline(yintercept=0) +
> #  coord_flip() +
> #  ggtitle("Conservative MPs") +
> #  theme(plot.title = element_text(hjust = .5))
>
> #dev.off()
>
>
>
```