Replication: Can a Constitutional Monarch Influence Democratic Preferences? Japanese Emperor and the Regulation of Public Expression

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```
## Read Data
d <- readRDS("main_data_emperor_v2.rds")
dpanel <- readRDS("main_data_emperor_panel_v2.rds")
nrow(d)
```

```
## [1] 1527
```

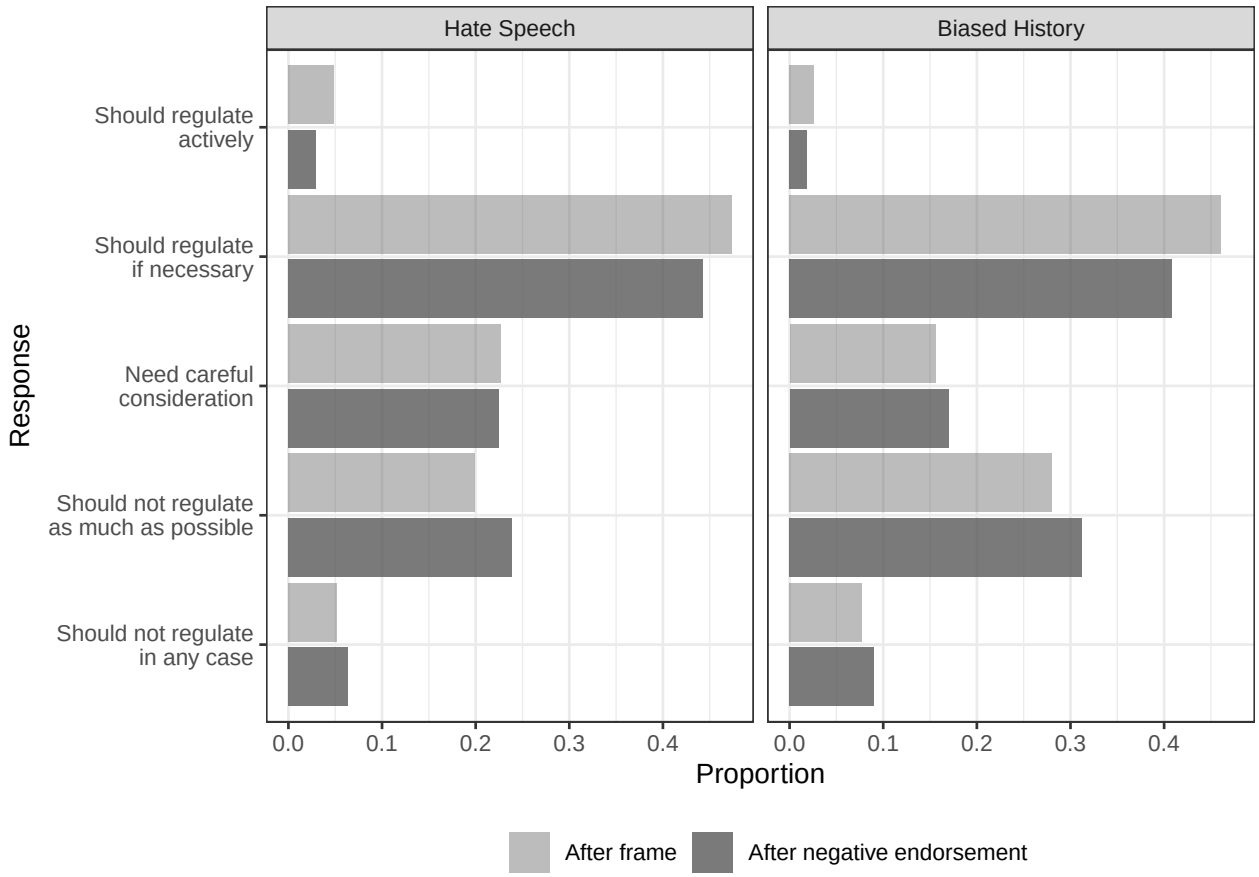
```
dtmp <- d
```

Descriptive Statistics

DV: Regulating Expression in Public (Figure D.1)

```
ptab <- data.frame(pr = c(table(d$limitexp1[d$frame_left==1])/sum(table(d$limitexp1[d$frame_left==1])),
                          table(d$limitexp2[d$frame_left==1])/sum(table(d$limitexp2[d$frame_left==1])),
                          table(d$limitexp1[d$frame_right==1])/sum(table(d$limitexp1[d$frame_right==1])),
                          table(d$limitexp2[d$frame_right==1])/sum(table(d$limitexp2[d$frame_right==1])),
                   v = rep(rev(c("Should regulate\n actively",
                                 "Should regulate\n if necessary",
                                 "Need careful\n  consideration",
                                 "Should not regulate\n as much as possible",
                                 "Should not regulate\n in any case")),2),
                   q = rep(c("After frame","After negative endorsement"), each=5),
                   f = rep(c("Hate Speech","Biased History"), each=10))
ptab$v <- factor(ptab$v, levels=unique(ptab$v))
ptab$q <- factor(ptab$q, levels=unique(ptab$q))
ptab$f <- factor(ptab$f, levels=unique(ptab$f))

p <- ggplot(ptab) +
  geom_col(aes(x=v,y=pr,alpha=q), position = position_dodge(width=-1)) +
  facet_grid(.~f) +
  scale_alpha_manual("", values = c(0.4,0.8)) +
  labs(y="Proportion",x="Response") +
  coord_flip() +
  theme_bw() +
  theme(legend.position = "bottom")
```

```
p
```




```
ggsave("../out/dvdist_v2.png", p, width=7, height=5)
```

Ideologies (Figure E.2)

Self-reported

```
tab <- table(dtmp$ide_self)/sum(table(dtmp$ide_self))
tab <- data.frame(prop = as.numeric(tab),
                  names = c("Left\n(-3)\n","-2","-1",
                            "Mod.\n(0)\n","1","2","Right\n(3)\n"))
tab$names <- factor(tab$names, levels=tab$names)

p1 <- ggplot(tab, aes(x=names,y=prop)) +
  geom_bar(stat="identity") +
  ylab(NULL) + xlab(NULL) +
  ggtitle("Self-reported\n(Frequency)") +
  theme_bw() +
  theme(plot.title = element_text(hjust=0.5, face="bold"),
        axis.text.x = element_text(size=12, face="bold"))
# p1
```

National security

```
p2_1 <- ggplot(dtmp["ide_iss_1"],
               aes(x=ide_iss_1,y=..count../sum(..count..))) +
```

```
  geom_histogram(bins=10, color="white") +
  ylab(NULL) + xlab(NULL) +
  ggtitle("Nat. Security\n(Histogram)") +
  scale_x_continuous(breaks=c(-3,-2,-1,0,1,2,3),
                     limits=c(-3,3),
                     labels=c("Left\n(-3)\n","-2","-1","0","1","2","Right\n(3)\n")) +
  theme_bw() +
  theme(plot.title = element_text(hjust=0.5, face="bold"),
        axis.text.x = element_text(size=12, face="bold"))
# p2_1
```

Equality

```
p2_2 <- ggplot(dtmp[,"ide_iss_2"],
               aes(x=ide_iss_2,y=..count../sum(..count..))) +
  geom_histogram(bins=10,color="white") +
  ylab(NULL) + xlab(NULL) +
  ggtitle("Equality\n(Histogram)") +
  scale_x_continuous(breaks=c(-3,-2,-1,0,1,2,3),
                     limits=c(-3,3),
                     labels=c("Left\n(-3)\n","-2","-1","0","1","2","Right\n(3)\n")) +
  theme_bw() +
  theme(plot.title = element_text(hjust=0.5, face="bold"),
        axis.text.x = element_text(size=12, face="bold"))
# p2_2
```

Party Support

```
tab <- table(dtmp$ide_psup)/sum(table(dtmp$ide_psup))
tab <- data.frame(prop = as.numeric(tab),
                  names = c("Left\nParty\n(-1)","No\nParty\n(0)",
                            "Right\nParty\n(1)"))
tab$names <- factor(tab$names, levels=tab$names)

p3 <- ggplot(tab, aes(x=names,y=prop)) +
  geom_bar(stat="identity") +
  ylab(NULL) + xlab(NULL) +
  ggtitle("Party\n(Frequency)") +
  theme_bw() +
  theme(plot.title = element_text(hjust=0.5, face="bold"),
        axis.text.x = element_text(size=12, face="bold"))
# p3
```

```
ggplot() + theme_void()
p <- arrangeGrob(p1,p2_1,p2_2,p3, nrow=1, left="Proportion")
```

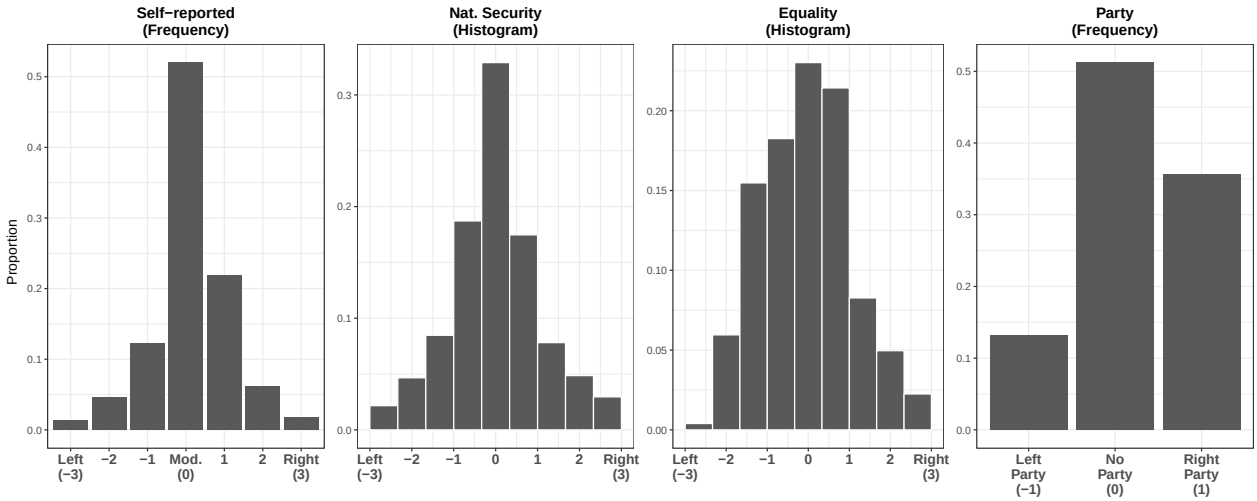
```
## Warning: Removed 4 rows containing non-finite values (stat_bin).
```

```
## Warning: Removed 1 rows containing missing values (geom_bar).
```

```
## Warning: Removed 15 rows containing non-finite values (stat_bin).
```

```
## Warning: Removed 1 rows containing missing values (geom_bar).
```

```
grid.draw(p)
```




```
ggsave("../out/idedist123_v2.png", p, width=15, height=6)
```

Analysis

Prepare Variable List

```
vn <- list("(Intercept)" = "(Intercept)",
           "frame_left" = "Hate speech frame",
           "frame_right" = "Biased history frame",
           "after" = "After endorsement",
           "Aword_expert" = "Neg. endorsement (scholars)",
           "Aword_emperor" = "Neg. endorsement (emperor)",
           "Aword_emperor_liberal" = "Neg. endorsement (liberal emperor)",
           "Bword_expert" = "Scholar (before treatment)",
           "Bword_emperor" = "Emperor (before endorsement)",
           "Bword_emperor_liberal" = "Liberal emperor (before endorsement)",
           "word_expert" = "Neg. endorsement (scholars)",
           "word_emperor" = "Neg. endorsement (emperor)",
           "word_emperor_liberal" = "Neg. endorsement (liberal emperor)",
           "frame_left:ide_self" = "Hate speech * ideology (self-reported)",
           "frame_left:ide_iss_1" = "Hate speech * ideology (national security)",
           "frame_left:ide_iss_2" = "Hate speech * ideology (equality)",
           "frame_left:left_psup" = "Hate speech * left party",
           "frame_left:right_psup" = "Hate speech * right party",
           "frame_right:ide_self" = "Biased history * ideology (self-reported)",
           "frame_right:ide_iss_1" = "Biased history * ideology (national security)",
           "frame_right:ide_iss_2" = "Biased history * ideology (equality)",
           "frame_right:left_psup" = "Biased history * left party",
           "frame_right:right_psup" = "Biased history * right party",
           "ide_self" = "Ideology (self-reported)",
           "ide_iss_1" = "Ideology (national security)",
           "ide_iss_2" = "Ideology (equality)",
           "left_psup" = "Left party support",
           "right_psup" = "Right party support",
           "fem" = "Gender (female)",
```

```
            "age" = "Age",
            "inccatMiddle (>=4m,<8m)" = "Income (middle)",
            "inccatHigh (>=8m)" = "Income (high)",
            "inccatMissing" = "Income (missing)",
            "educat>SHS & <University" = "Education (junior college/tech. school)",
            "educat>=University" = "Education (university)",
            "employed" = "Employed",
            "knall" = "Political knowledge (0-1)",
            "csup" = "Approve Abe Cabinet",
            "eqview" = "Japanese society is equal (0-1)",
            "hmview" = "Japanese society is homogeneous (0-1)",
            "0|1" = "Cut: No, any case|No, as much as possible",
            "1|2" = "Cut: No, as much as possible|Need to be careful",
            "2|3" = "Cut: Need to be careful|Yes, if necessary",
            "3|4" = "Cut: Yes, if necessary|Yes, actively",
            "-2|-1" = "Cut: -2 or under|-1",
            "-1|0" = "Cut: -1|0",
            "0|2" = "Cut: 0|1 or above",
            "Weaker|Same" = "Cut: Weaker|Same",
            "Same|Stronger" = "Cut: Same|Stronger")

require(MASS)
```

Check Conditional Framing Effect

T-test (Table F.1)

```
## Self-reported Ideology
table(d$ide_self)
```

```
##
##  -3  -2  -1   0   1   2   3
##  20  71 188 794 334  93  27
```

```
mtf01_L <- t.test(limitexp1 ~ frame_right, data=d, subset=ide_self>0)
mtf01_M <- t.test(limitexp1 ~ frame_right, data=d, subset=ide_self==0)
mtf01_R <- t.test(limitexp1 ~ frame_right, data=d, subset=ide_self<0)

### Issue Ideology 1 (National Security)
summary(d$ide_iss_1); sd(d$ide_iss_1)
```

```
##     Min.  1st Qu.   Median     Mean  3rd Qu.     Max.
## -3.30120 -0.61495 -0.03456  0.00060  0.56588  3.20702
```

```
## [1] 1.089651
```

```
mtf02A_L <- t.test(limitexp1 ~ frame_right, data=d, subset=ide_iss_1> 1)
mtf02A_M <- t.test(limitexp1 ~ frame_right, data=d, subset=abs(ide_iss_1)<= 1)
mtf02A_R <- t.test(limitexp1 ~ frame_right, data=d, subset=ide_iss_1< -1)

### Issue Ideology 2 (Equality)
summary(d$ide_iss_2); sd(d$ide_iss_2)
```

```
##      Min.   1st Qu.    Median      Mean   3rd Qu.      Max.
## -2.548598 -0.854981 -0.019509 -0.008821  0.694971  3.459316
```

```
## [1] 1.134895
```

```
mtf02B_L <- t.test(limitexp1 ~ frame_right, data=d, subset=ide_iss_2> 1)
mtf02B_M <- t.test(limitexp1 ~ frame_right, data=d, subset=abs(ide_iss_2)<= 1)
mtf02B_R <- t.test(limitexp1 ~ frame_right, data=d, subset=ide_iss_2< -1)

### Party Support
table(d$ide_psup)
```

```
##
##  -1   0   1
## 202 782 543
```

```
mtf03_L <- t.test(limitexp1 ~ frame_right, data=d, subset=ide_psup==1)
mtf03_M <- t.test(limitexp1 ~ frame_right, data=d, subset=ide_psup==0)
mtf03_R <- t.test(limitexp1 ~ frame_right, data=d, subset=ide_psup==-1)


mtf <- data.frame(Measurement = c("Self-reported","","",
                            "Nat. Security","","",
                            "Equality","","",
                            "Party Support","",""),
           Ideology = c("Right (>0)","Moderate (0)","Left (<0)",
                        "Right (>1)","Moderate (-1:1)","Left (<-1)",
                        "Right (>1)","Moderate (-1:1)","Left (<-1)",
                        "Right (1)","Moderate (0)","Left (-1)"),
           "Hate Speech Mean" =
             sprintf("%.3f",c(mtf01_L$estimate[1],mtf01_M$estimate[1],mtf01_R$estimate[1],
             mtf02A_L$estimate[1],mtf02A_M$estimate[1],mtf02A_R$estimate[1],
             mtf02B_L$estimate[1],mtf02B_M$estimate[1],mtf02B_R$estimate[1],
             mtf03_L$estimate[1],mtf03_M$estimate[1],mtf03_R$estimate[1])),
           "Biased History Mean" =
             sprintf("%.3f",c(mtf01_L$estimate[2],mtf01_M$estimate[2],mtf01_R$estimate[2],
               mtf02A_L$estimate[2],mtf02A_M$estimate[2],mtf02A_R$estimate[2],
               mtf02B_L$estimate[2],mtf02B_M$estimate[2],mtf02B_R$estimate[2],
               mtf03_L$estimate[2],mtf03_M$estimate[2],mtf03_R$estimate[2])),
           p = sprintf("%.3f",c(mtf01_L$p.value,mtf01_M$p.value,mtf01_R$p.value,
                 mtf02A_L$p.value,mtf02A_M$p.value,mtf02A_R$p.value,
                 mtf02B_L$p.value,mtf02B_M$p.value,mtf02B_R$p.value,
                 mtf03_L$p.value,mtf03_M$p.value,mtf03_R$p.value)),
           check.names = FALSE)

require(stargazer)
stargazer(mtf, summary=F, align=T, rownames = F,
          title = "The ideology-moderated framing treatment effect on support for regulating expression
          type = "text")
```

```
##
## The ideology-moderated framing treatment effect on support for regulating expression in public places
## ================================================================================
##  Measurement     Ideology     Hate Speech Mean Biased History Mean   p
## --------------------------------------------------------------------------------
## Self-reported   Right (> 0)        2.190              2.263        0.460
##                Moderate (0)        2.311              2.144        0.018
##                 Left (< 0)         2.254              1.584        0.000
```

```
## Nat. Security   Right (> 1)        2.219              2.278        0.677
##               Moderate (-1:1)      2.281              2.155        0.041
##                 Left (< -1)        2.250              1.495        0.000
##   Equality      Right (> 1)        2.067              2.416        0.007
##               Moderate (-1:1)      2.309              2.162        0.027
##                 Left (< -1)        2.285              1.623        0.000
## Party Support    Right (1)         2.335              2.271        0.473
##                Moderate (0)        2.247              2.057        0.009
##                 Left (-1)          2.150              1.622        0.002
## ------------------------------------------------------------------------
```

```
stargazer(mtf, summary=F, align=T, rownames = F,
          title = "The ideology-moderated framing treatment effect on support for regulating expression
          out="../out/resout_frame_ttest_v2.tex",
          type = "latex")
```

OLS: Estimation

```
## Self-reported Ideology
mbfL01 <- lm(limitexp1 ~
               frame_right * ide_self,
             data=d)
summary(mbfL01)
```

Baseline (Table F.2)

```
##
## Call:
## lm(formula = limitexp1 ~ frame_right * ide_self, data = d)
##
## Residuals:
##     Min      1Q  Median      3Q     Max
## -2.7444 -1.0407  0.2556  0.7335  2.4285
##
## Coefficients:
##                       Estimate Std. Error t value Pr(>|t|)
## (Intercept)           2.266532   0.037804  59.954  < 2e-16 ***
## frame_right          -0.225848   0.053723  -4.204 2.78e-05 ***
## ide_self             -0.008862   0.036598  -0.242    0.809
## frame_right:ide_self  0.243430   0.052253   4.659 3.47e-06 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 1.025 on 1480 degrees of freedom
##   (43 observations deleted due to missingness)
## Multiple R-squared:  0.03402,    Adjusted R-squared:  0.03206
## F-statistic: 17.37 on 3 and 1480 DF,  p-value: 4.34e-11
```

```
coeftest(mbfL01, vcov.=vcovCL(mbfL01,cluster=na.omit(d[,c("start_id",all.vars(mbfL01$terms))])$start_id
```

```
##
## t test of coefficients:
##
##                       Estimate Std. Error t value  Pr(>|t|)
## (Intercept)           2.2665322  0.0375802 60.3119 < 2.2e-16 ***
```

```
## frame_right          -0.2258484  0.0542464 -4.1634 3.317e-05 ***
## ide_self             -0.0088618  0.0412921 -0.2146    0.8301
## frame_right:ide_self  0.2434302  0.0560646  4.3420 1.508e-05 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
mbfL01c_se <- sqrt(diag(vcovCL(mbfL01,cluster=na.omit(d[,c("start_id",all.vars(mbfL01$terms))])$start_i
mbfL01c_p <- pt(-abs(summary(mbfL01)$coefficients[,1]/mbfL01c_se), df = mbfL01$df.residual)*2

## Issue Ideology
mbfL02 <- lm(limitexp1 ~
               frame_right * ide_iss_1 +
               frame_right * ide_iss_2,
             data=d)
summary(mbfL02)
```

```
##
## Call:
## lm(formula = limitexp1 ~ frame_right * ide_iss_1 + frame_right *
##     ide_iss_2, data = d)
##
## Residuals:
##     Min      1Q  Median      3Q     Max
## -3.1485 -0.8593  0.2286  0.7712  2.2051
##
## Coefficients:
##                        Estimate Std. Error t value Pr(>|t|)
## (Intercept)             2.26329    0.03686  61.400  < 2e-16 ***
## frame_right            -0.17900    0.05226  -3.425 0.000631 ***
## ide_iss_1               0.03459    0.03305   1.047 0.295433
## ide_iss_2              -0.06067    0.03296  -1.841 0.065880 .
## frame_right:ide_iss_1   0.18583    0.04817   3.858 0.000119 ***
## frame_right:ide_iss_2   0.27304    0.04605   5.930 3.77e-09 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 1.006 on 1478 degrees of freedom
##   (43 observations deleted due to missingness)
## Multiple R-squared:  0.07022,    Adjusted R-squared:  0.06708
## F-statistic: 22.33 on 5 and 1478 DF,  p-value: < 2.2e-16
```

```
coeftest(mbfL02, vcov.=vcovCL(mbfL02,cluster=na.omit(d[,c("start_id",all.vars(mbfL02$terms))])$start_id
```

```
##
## t test of coefficients:
##
##                         Estimate Std. Error t value  Pr(>|t|)
## (Intercept)             2.263294   0.036802 61.4994 < 2.2e-16 ***
## frame_right            -0.178996   0.052325 -3.4208 0.0006413 ***
## ide_iss_1               0.034588   0.036741  0.9414 0.3466507
## ide_iss_2              -0.060673   0.034642 -1.7514 0.0800841 .
## frame_right:ide_iss_1   0.185829   0.051157  3.6325 0.0002903 ***
## frame_right:ide_iss_2   0.273038   0.047846  5.7066 1.391e-08 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
mbfL02c_se <- sqrt(diag(vcovCL(mbfL02,cluster=na.omit(d[,c("start_id",all.vars(mbfL02$terms))])$start_ic
mbfL02c_p <- pt(-abs(summary(mbfL02)$coefficients[,1]/mbfL02c_se), df = mbfL02$df.residual)*2

## Party Support
mbfL03 <- lm(limitexp1 ~
               frame_right * left_psup +
               frame_right * right_psup,
             data=d)
summary(mbfL03)
```

```
##
## Call:
## lm(formula = limitexp1 ~ frame_right * left_psup + frame_right *
##     right_psup, data = d)
##
## Residuals:
##     Min      1Q  Median      3Q     Max
## -2.3346 -1.0566  0.6654  0.7526  2.3775
##
## Coefficients:
##                         Estimate Std. Error t value Pr(>|t|)
## (Intercept)              2.24737    0.05275  42.605   <2e-16 ***
## frame_right             -0.19076    0.07505  -2.542   0.0111 *
## left_psup               -0.09737    0.11557  -0.843   0.3996
## right_psup               0.08722    0.08220   1.061   0.2889
## frame_right:left_psup   -0.33679    0.16430  -2.050   0.0406 *
## frame_right:right_psup   0.12755    0.11635   1.096   0.2731
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 1.028 on 1478 degrees of freedom
##   (43 observations deleted due to missingness)
## Multiple R-squared:  0.02885,    Adjusted R-squared:  0.02557
## F-statistic: 8.783 on 5 and 1478 DF,  p-value: 3.185e-08
```

```
coeftest(mbfL03, vcov.=vcovCL(mbfL03,cluster=na.omit(d[,c("start_id",all.vars(mbfL03$terms))])$start_id
```

```
##
## t test of coefficients:
##
##                          Estimate Std. Error t value  Pr(>|t|)
## (Intercept)              2.247368   0.049102 45.7690 < 2.2e-16 ***
## frame_right             -0.190765   0.072589 -2.6280  0.008678 **
## left_psup               -0.097368   0.129399 -0.7525  0.451889
## right_psup               0.087218   0.077853  1.1203  0.262774
## frame_right:left_psup   -0.336786   0.181912 -1.8514  0.064315 .
## frame_right:right_psup   0.127554   0.114085  1.1181  0.263722
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
mbfL03c_se <- sqrt(diag(vcovCL(mbfL03,cluster=na.omit(d[,c("start_id",all.vars(mbfL03$terms))])$start_ic
mbfL03c_p <- pt(-abs(summary(mbfL03)$coefficients[,1]/mbfL03c_se), df = mbfL03$df.residual)*2

screenreg(list(mbfL01,mbfL02,mbfL03), stars = c(0.1,0.05,0.01,0.001), symbol = "+",
          beside = T, digits = 3, single.row = T,
```

```r
          override.se = list(mbfL01c_se,mbfL02c_se,mbfL03c_se),
          override.pvalues = list(mbfL01c_p,mbfL02c_p,mbfL03c_p),
          custom.model.names = c("Self-reported","Issue","Party"),
          custom.coef.map = vn)
```

```
##
## ==========================================================================================
##                                                Self-reported         Issue                 Party
## ------------------------------------------------------------------------------------------
## (Intercept)                                      2.267 (0.038) ***     2.263 (0.037) ***     2.247
## Biased history frame                            -0.226 (0.054) ***    -0.179 (0.052) ***    -0.191
## Biased history * ideology (self-reported)        0.243 (0.056) ***
## Biased history * ideology (national security)                          0.186 (0.051) ***
## Biased history * ideology (equality)                                   0.273 (0.048) ***
## Biased history * left party                                                                -0.337
## Biased history * right party                                                                0.128
## Ideology (self-reported)                        -0.009 (0.041)
## Ideology (national security)                                           0.035 (0.037)
## Ideology (equality)                                                   -0.061 (0.035) +
## Left party support                                                                         -0.097
## Right party support                                                                         0.087
## ------------------------------------------------------------------------------------------
## R^2                                              0.034                 0.070                 0.029
## Adj. R^2                                         0.032                 0.067                 0.026
## Num. obs.                                     1484                  1484                  1484
## ==========================================================================================
## *** p < 0.001; ** p < 0.01; * p < 0.05; + p < 0.1
```

```r
texreg(list(mbfL01,mbfL02,mbfL03), stars = c(0.1,0.05,0.01,0.001), symbol = "\\dagger",
       beside = T, digits = 3, single.row = T,
       override.se = list(mbfL01c_se,mbfL02c_se,mbfL03c_se),
       override.pvalues = list(mbfL01c_p,mbfL02c_p,mbfL03c_p),
       custom.model.names = c("Self-reported","Issue","Party"),
       custom.coef.map = vn,
       custom.note = "%stars. Robust standard errors in parentheses.",
       use.packages = FALSE, booktabs = TRUE, dcolumn = TRUE, caption.above = TRUE, fontsize = "scripts
       caption = "The ideology-moderated framing treatment effect on support for regulating expression
       file = "../out/resout_frame_lm_base_v2.tex", label = "table:resout_frame_lm_base")
```

```r
## Self-reported Ideology
mfL01 <- lm(limitexp1 ~
              frame_right * ide_self +
              fem + age + inccat + educat + employed + knall + csup + eqview + hmview,
            data=d)
summary(mfL01)
```

Extended (Table F.3)

```
##
## Call:
## lm(formula = limitexp1 ~ frame_right * ide_self + fem + age +
##     inccat + educat + employed + knall + csup + eqview + hmview,
##     data = d)
##
```

```
## Residuals:
##     Min      1Q  Median      3Q     Max
## -2.7612 -0.9313  0.3320  0.7988  2.4406
##
## Coefficients:
##                            Estimate Std. Error t value Pr(>|t|)
## (Intercept)                1.818125   0.173991  10.450  < 2e-16 ***
## frame_right               -0.218797   0.054238  -4.034 5.77e-05 ***
## ide_self                  -0.033480   0.037496  -0.893 0.372060
## fem                        0.114308   0.057602   1.984 0.047397 *
## age                        0.003411   0.002618   1.303 0.192818
## inccatMiddle (>=4m,<8m)   -0.039014   0.063922  -0.610 0.541732
## inccatHigh (>=8m)         -0.021777   0.085634  -0.254 0.799300
## inccatMissing              0.112584   0.088627   1.270 0.204180
## educat>SHS & <University  -0.010958   0.089240  -0.123 0.902289
## educat>=University        -0.086008   0.074897  -1.148 0.251018
## employed                   0.005730   0.063028   0.091 0.927581
## knall                     -0.059960   0.101844  -0.589 0.556125
## csup                       0.204801   0.061172   3.348 0.000835 ***
## eqview                     0.231317   0.119675   1.933 0.053449 .
## hmview                     0.250607   0.134725   1.860 0.063070 .
## frame_right:ide_self       0.239763   0.052586   4.559 5.56e-06 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 1.021 on 1438 degrees of freedom
##   (73 observations deleted due to missingness)
## Multiple R-squared:  0.05689,    Adjusted R-squared:  0.04705
## F-statistic: 5.783 on 15 and 1438 DF,  p-value: 9.954e-12
```

```
coeftest(mfL01, vcov.=vcovCL(mfL01,cluster=na.omit(d[,c("start_id",all.vars(mfL01$terms))])$start_id))
```

```
##
## t test of coefficients:
##
##                             Estimate Std. Error t value  Pr(>|t|)
## (Intercept)                1.8181251  0.1763788 10.3081 < 2.2e-16 ***
## frame_right               -0.2187965  0.0544005 -4.0220 6.071e-05 ***
## ide_self                  -0.0334800  0.0411265 -0.8141  0.415738
## fem                        0.1143077  0.0582852  1.9612  0.050051 .
## age                        0.0034111  0.0026532  1.2857  0.198771
## inccatMiddle (>=4m,<8m)   -0.0390143  0.0641922 -0.6078  0.543434
## inccatHigh (>=8m)         -0.0217769  0.0875666 -0.2487  0.803637
## inccatMissing              0.1125841  0.0845561  1.3315  0.183245
## educat>SHS & <University  -0.0109579  0.0891367 -0.1229  0.902176
## educat>=University        -0.0860077  0.0744978 -1.1545  0.248487
## employed                   0.0057296  0.0608198  0.0942  0.924959
## knall                     -0.0599602  0.1008739 -0.5944  0.552333
## csup                       0.2048009  0.0602824  3.3974  0.000699 ***
## eqview                     0.2313166  0.1273922  1.8158  0.069612 .
## hmview                     0.2506066  0.1417239  1.7683  0.077227 .
## frame_right:ide_self       0.2397629  0.0555956  4.3126 1.723e-05 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```r
mfL01c_se <- sqrt(diag(vcovCL(mfL01,cluster=na.omit(d[,c("start_id",all.vars(mfL01$terms))])$start_id))
mfL01c_p <- pt(-abs(summary(mfL01)$coefficients[,1]/mfL01c_se), df = mfL01$df.residual)*2

## Issue Ideology
mfL02 <- lm(limitexp1 ~
              frame_right * ide_iss_1 +
              frame_right * ide_iss_2 +
              fem + age + inccat + educat + employed + knall + csup + eqview + hmview,
            data=d)
summary(mfL02)
```

```
##
## Call:
## lm(formula = limitexp1 ~ frame_right * ide_iss_1 + frame_right *
##     ide_iss_2 + fem + age + inccat + educat + employed + knall +
##     csup + eqview + hmview, data = d)
##
## Residuals:
##     Min      1Q  Median      3Q     Max
## -3.3751 -0.8643  0.2273  0.7858  2.2605
##
## Coefficients:
##                             Estimate Std. Error t value Pr(>|t|)
## (Intercept)                 1.871818   0.171579  10.909  < 2e-16 ***
## frame_right                -0.179659   0.052811  -3.402 0.000688 ***
## ide_iss_1                   0.029772   0.035398   0.841 0.400453
## ide_iss_2                  -0.050542   0.034399  -1.469 0.141979
## fem                         0.169958   0.058455   2.907 0.003699 **
## age                         0.002113   0.002649   0.798 0.425125
## inccatMiddle (>=4m,<8m)    -0.057573   0.062895  -0.915 0.360145
## inccatHigh (>=8m)          -0.035483   0.084280  -0.421 0.673808
## inccatMissing               0.115749   0.087177   1.328 0.184474
## educat>SHS & <University    0.009672   0.087783   0.110 0.912278
## educat>=University         -0.049219   0.073863  -0.666 0.505286
## employed                    0.008708   0.061842   0.141 0.888040
## knall                      -0.054980   0.100239  -0.548 0.583440
## csup                        0.126527   0.062721   2.017 0.043849 *
## eqview                      0.220186   0.117620   1.872 0.061409 .
## hmview                      0.214619   0.135393   1.585 0.113153
## frame_right:ide_iss_1       0.166837   0.048530   3.438 0.000603 ***
## frame_right:ide_iss_2       0.272905   0.046445   5.876 5.22e-09 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 1.004 on 1436 degrees of freedom
##   (73 observations deleted due to missingness)
## Multiple R-squared:  0.08953,    Adjusted R-squared:  0.07875
## F-statistic: 8.306 on 17 and 1436 DF,  p-value: < 2.2e-16
```

```r
coeftest(mfL02, vcov.=vcovCL(mfL02,cluster=na.omit(d[,c("start_id",all.vars(mfL02$terms))])$start_id))
```

```
##
## t test of coefficients:
##
```

```
##                             Estimate Std. Error t value  Pr(>|t|)
## (Intercept)                1.8718183  0.1733641 10.7970 < 2.2e-16 ***
## frame_right               -0.1796585  0.0527534 -3.4056 0.0006783 ***
## ide_iss_1                  0.0297721  0.0399686  0.7449 0.4564613
## ide_iss_2                 -0.0505415  0.0362261 -1.3952 0.1631804
## fem                        0.1699577  0.0601392  2.8261 0.0047775 **
## age                        0.0021130  0.0026898  0.7856 0.4322586
## inccatMiddle (>=4m,<8m)   -0.0575732  0.0637215 -0.9035 0.3664052
## inccatHigh (>=8m)         -0.0354829  0.0860231 -0.4125 0.6800484
## inccatMissing              0.1157486  0.0821143  1.4096 0.1588732
## educat>SHS & <University   0.0096724  0.0883625  0.1095 0.9128507
## educat>=University        -0.0492194  0.0724295 -0.6795 0.4968997
## employed                   0.0087080  0.0600017  0.1451 0.8846289
## knall                     -0.0549800  0.0980370 -0.5608 0.5750155
## csup                       0.1265273  0.0608150  2.0805 0.0376541 *
## eqview                     0.2201860  0.1270103  1.7336 0.0832023 .
## hmview                     0.2146186  0.1441474  1.4889 0.1367379
## frame_right:ide_iss_1      0.1668372  0.0520571  3.2049 0.0013809 **
## frame_right:ide_iss_2      0.2729046  0.0485967  5.6157 2.347e-08 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```r
mfL02c_se <- sqrt(diag(vcovCL(mfL02,cluster=na.omit(d[,c("start_id",all.vars(mfL02$terms))])$start_id))
mfL02c_p <- pt(-abs(summary(mfL02)$coefficients[,1]/mfL02c_se), df = mfL02$df.residual)*2

## Party Support
mfL03 <- lm(limitexp1 ~
              frame_right * left_psup +
              frame_right * right_psup +
              fem + age + inccat + educat + employed + knall + csup + eqview + hmview,
            data=d)
summary(mfL03)
```

```
##
## Call:
## lm(formula = limitexp1 ~ frame_right * left_psup + frame_right *
##     right_psup + fem + age + inccat + educat + employed + knall +
##     csup + eqview + hmview, data = d)
##
## Residuals:
##     Min      1Q  Median      3Q     Max
## -2.4907 -0.9821  0.4171  0.7973  2.4122
##
## Coefficients:
##                             Estimate Std. Error t value Pr(>|t|)
## (Intercept)                1.810588   0.177724  10.188  < 2e-16 ***
## frame_right               -0.177117   0.076131  -2.326  0.02013 *
## left_psup                 -0.061874   0.117955  -0.525  0.59997
## right_psup                -0.009338   0.091668  -0.102  0.91888
## fem                        0.100584   0.057852   1.739  0.08231 .
## age                        0.004004   0.002634   1.520  0.12865
## inccatMiddle (>=4m,<8m)   -0.036079   0.064273  -0.561  0.57465
## inccatHigh (>=8m)         -0.024722   0.086374  -0.286  0.77475
## inccatMissing              0.111715   0.089371   1.250  0.21150
## educat>SHS & <University -0.015872   0.089673  -0.177  0.85954
```

```
## educat>=University       -0.090638   0.075271  -1.204  0.22873
## employed                 -0.001629   0.063401  -0.026  0.97950
## knall                    -0.021001   0.102624  -0.205  0.83789
## csup                      0.196133   0.068965   2.844  0.00452 **
## eqview                    0.233615   0.120151   1.944  0.05205 .
## hmview                    0.235655   0.135941   1.734  0.08322 .
## frame_right:left_psup    -0.355768   0.166019  -2.143  0.03229 *
## frame_right:right_psup    0.115960   0.117703   0.985  0.32470
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 1.026 on 1436 degrees of freedom
##   (73 observations deleted due to missingness)
## Multiple R-squared:  0.04896,    Adjusted R-squared:  0.0377
## F-statistic: 4.348 on 17 and 1436 DF,  p-value: 8.119e-09
```

```
coeftest(mfL03, vcov.=vcovCL(mfL03,cluster=na.omit(d[,c("start_id",all.vars(mfL03$terms))])$start_id))
```

```
##
## t test of coefficients:
##
##                             Estimate Std. Error t value  Pr(>|t|)
## (Intercept)                1.8105884  0.1798328 10.0682 < 2.2e-16 ***
## frame_right               -0.1771167  0.0735401 -2.4084  0.016146 *
## left_psup                 -0.0618741  0.1306210 -0.4737  0.635791
## right_psup                -0.0093379  0.0873812 -0.1069  0.914911
## fem                        0.1005840  0.0585519  1.7179  0.086037 .
## age                        0.0040044  0.0026963  1.4851  0.137732
## inccatMiddle (>=4m,<8m)   -0.0360787  0.0646042 -0.5585  0.576619
## inccatHigh (>=8m)         -0.0247225  0.0885582 -0.2792  0.780157
## inccatMissing              0.1117147  0.0840292  1.3295  0.183903
## educat>SHS & <University  -0.0158719  0.0901409 -0.1761  0.860257
## educat>=University        -0.0906379  0.0747426 -1.2127  0.225457
## employed                  -0.0016293  0.0616191 -0.0264  0.978909
## knall                     -0.0210005  0.1012145 -0.2075  0.835660
## csup                       0.1961328  0.0676767  2.8981  0.003811 **
## eqview                     0.2336148  0.1291575  1.8088  0.070697 .
## hmview                     0.2356547  0.1436531  1.6404  0.101132
## frame_right:left_psup     -0.3557675  0.1817849 -1.9571  0.050532 .
## frame_right:right_psup     0.1159597  0.1159179  1.0004  0.317305
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
mfL03c_se <- sqrt(diag(vcovCL(mfL03,cluster=na.omit(d[,c("start_id",all.vars(mfL03$terms))])$start_id))
mfL03c_p <- pt(-abs(summary(mfL03)$coefficients[,1]/mfL03c_se), df = mfL03$df.residual)*2

screenreg(list(mfL01,mfL02,mfL03), stars = c(0.1,0.05,0.01,0.001), symbol = "+",
          beside = T, digits = 3, single.row = T,
          override.se = list(mfL01c_se,mfL02c_se,mfL03c_se),
          override.pvalues = list(mfL01c_p,mfL02c_p,mfL03c_p),
          custom.model.names = c("Self-reported","Issue","Party"),
          custom.coef.map = vn)
```

```
##
## ==========================================================================================================
```

```
##                                                  Self-reported         Issue                 Party
## ---------------------------------------------------------------------------------------------------
## (Intercept)                                        1.818 (0.176) ***     1.872 (0.173) ***     1.811
## Biased history frame                              -0.219 (0.054) ***    -0.180 (0.053) ***    -0.177
## Biased history * ideology (self-reported)          0.240 (0.056) ***
## Biased history * ideology (national security)                            0.167 (0.052) **
## Biased history * ideology (equality)                                     0.273 (0.049) ***
## Biased history * left party                                                                   -0.356
## Biased history * right party                                                                   0.116
## Ideology (self-reported)                          -0.033 (0.041)
## Ideology (national security)                                             0.030 (0.040)
## Ideology (equality)                                                     -0.051 (0.036)
## Left party support                                                                            -0.062
## Right party support                                                                           -0.009
## Gender (female)                                    0.114 (0.058) +       0.170 (0.060) **      0.101
## Age                                                0.003 (0.003)         0.002 (0.003)         0.004
## Income (middle)                                   -0.039 (0.064)        -0.058 (0.064)        -0.036
## Income (high)                                     -0.022 (0.088)        -0.035 (0.086)        -0.025
## Income (missing)                                   0.113 (0.085)         0.116 (0.082)         0.112
## Education (junior college/tech. school)           -0.011 (0.089)         0.010 (0.088)        -0.016
## Education (university)                            -0.086 (0.074)        -0.049 (0.072)        -0.091
## Employed                                           0.006 (0.061)         0.009 (0.060)        -0.002
## Political knowledge (0-1)                         -0.060 (0.101)        -0.055 (0.098)        -0.021
## Approve Abe Cabinet                                0.205 (0.060) ***     0.127 (0.061) *       0.196
## Japanese society is equal (0-1)                    0.231 (0.127) +       0.220 (0.127) +       0.234
## Japanese society is homogeneous (0-1)              0.251 (0.142) +       0.215 (0.144)         0.236
## ---------------------------------------------------------------------------------------------------
## R^2                                                0.057                 0.090                 0.049
## Adj. R^2                                           0.047                 0.079                 0.038
## Num. obs.                                       1454                  1454                  1454
## ===================================================================================================
## *** p < 0.001; ** p < 0.01; * p < 0.05; + p < 0.1
```

```
texreg(list(mfL01,mfL02,mfL03), stars = c(0.1,0.05,0.01,0.001), symbol = "\\dagger",
       beside = T, digits = 3, single.row = T,
       override.se = list(mfL01c_se,mfL02c_se,mfL03c_se),
       override.pvalues = list(mfL01c_p,mfL02c_p,mfL03c_p),
       custom.model.names = c("Self-reported","Issue","Party"),
       custom.coef.map = vn,
       custom.note = "%stars. Robust standard errors in parentheses.",
       use.packages = FALSE, booktabs = TRUE, dcolumn = TRUE, caption.above = TRUE, fontsize = "scripts
       caption = "The ideology-moderated framing treatment effect on support for regulating expression
       file = "../out/resout_frame_lm_v2.tex", label = "table:resout_frame_lm")
```

OLS: Conditional Effect Sizes

```
quantile(d$ide_self, probs = c(0.05,0.5,0.95))
```

Baseline Models (Figure 1)

```
##  5% 50% 95%
##  -2   0   2
```

```
## Self-reported Ideology ##
```

```
tmp1 <- lm(limitexp1 ~
             frame_right * I(ide_self+2),
           data=d)
summary(tmp1)
```

```
##
## Call:
## lm(formula = limitexp1 ~ frame_right * I(ide_self + 2), data = d)
##
## Residuals:
##     Min      1Q  Median      3Q     Max
## -2.7444 -1.0407  0.2556  0.7335  2.4285
##
## Coefficients:
##                               Estimate Std. Error t value Pr(>|t|)
## (Intercept)                   2.284256   0.086382  26.444  < 2e-16 ***
## frame_right                  -0.712709   0.123894  -5.753 1.07e-08 ***
## I(ide_self + 2)              -0.008862   0.036598  -0.242    0.809
## frame_right:I(ide_self + 2)   0.243430   0.052253   4.659 3.47e-06 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 1.025 on 1480 degrees of freedom
##   (43 observations deleted due to missingness)
## Multiple R-squared:  0.03402,    Adjusted R-squared:  0.03206
## F-statistic: 17.37 on 3 and 1480 DF,  p-value: 4.34e-11
```

```
coeftest(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_id))
```

```
##
## t test of coefficients:
##
##                               Estimate Std. Error t value  Pr(>|t|)
## (Intercept)                  2.2842559  0.0982203 23.2565 < 2.2e-16 ***
## frame_right                 -0.7127089  0.1341578 -5.3125 1.247e-07 ***
## I(ide_self + 2)             -0.0088618  0.0412921 -0.2146    0.8301
## frame_right:I(ide_self + 2)  0.2434302  0.0560646  4.3420 1.508e-05 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
tmp1c_se <- sqrt(diag(vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_id)))
tmp1c_p <- pt(-abs(summary(tmp1)$coefficients[,1]/tmp1c_se), df = tmp1$df.residual)*2
tmp2 <- lm(limitexp1 ~
             frame_right * I(ide_self-2),
           data=d)
summary(tmp2)
```

```
##
## Call:
## lm(formula = limitexp1 ~ frame_right * I(ide_self - 2), data = d)
##
## Residuals:
##     Min      1Q  Median      3Q     Max
## -2.7444 -1.0407  0.2556  0.7335  2.4285
##
```

```
## Coefficients:
##                              Estimate Std. Error t value Pr(>|t|)
## (Intercept)                  2.248809   0.078177  28.766  < 2e-16 ***
## frame_right                  0.261012   0.110750   2.357   0.0186 *
## I(ide_self - 2)             -0.008862   0.036598  -0.242   0.8087
## frame_right:I(ide_self - 2)  0.243430   0.052253   4.659 3.47e-06 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 1.025 on 1480 degrees of freedom
##   (43 observations deleted due to missingness)
## Multiple R-squared:  0.03402,    Adjusted R-squared:  0.03206
## F-statistic: 17.37 on 3 and 1480 DF,  p-value: 4.34e-11
```

```
coeftest(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_id))
```

```
##
## t test of coefficients:
##
##                               Estimate Std. Error t value  Pr(>|t|)
## (Intercept)                  2.2488085  0.0825688 27.2356 < 2.2e-16 ***
## frame_right                  0.2610121  0.1141618  2.2863   0.02238 *
## I(ide_self - 2)             -0.0088618  0.0412921 -0.2146   0.83010
## frame_right:I(ide_self - 2)  0.2434302  0.0560646  4.3420 1.508e-05 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
tmp2c_se <- sqrt(diag(vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_id)))
tmp2c_p <- pt(-abs(summary(tmp2)$coefficients[,1]/tmp2c_se), df = tmp2$df.residual)*2

tmpdt <-
  rbind(c(mbfL01$coefficients[2],mbfL01c_se[2],
          coefci(mbfL01, vcov.=vcovCL(mbfL01,cluster=na.omit(d[,c("start_id",all.vars(mbfL01$terms))])$s
          coefci(mbfL01, vcov.=vcovCL(mbfL01,cluster=na.omit(d[,c("start_id",all.vars(mbfL01$terms))])$s
        c(tmp1$coefficients[2],tmp1c_se[2],
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_i
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_i
        c(tmp2$coefficients[2],tmp2c_se[2],
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_i
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_i

tmpdt <- as.data.frame(tmpdt)
colnames(tmpdt) <- c("cf","se","lci","uci","lci90","uci90")

mbfL01dt <- tmpdt
mbfL01dt$type <- "Self-reported"
mbfL01dt$value <- c("Neut.\n(50%)","Left\n(5%)","Right\n(95%)")
mbfL01dt
```

```
##          cf         se         lci        uci      lci90      uci90          type        value
## 1 -0.2258484 0.05424639 -0.33225639 -0.1194404 -0.3151317 -0.1365651 Self-reported Neut.\n(50%)
## 2 -0.7127089 0.13415775 -0.97586844 -0.4495493 -0.9335169 -0.4919008 Self-reported   Left\n(5%)
## 3  0.2610121 0.11416180  0.03707591  0.4849482  0.0731150  0.4489091 Self-reported Right\n(95%)
```

```
## Issue Ideology (National Security) ##
```

```r
quantile(d$ide_iss_1, probs = c(0.05,0.5,0.95))
```

```
##          5%         50%         95%
## -1.89504357 -0.03456401  2.02020691
```

```r
tmp1 <- lm(limitexp1 ~
             frame_right * I(ide_iss_1+1.9) +
             frame_right * ide_iss_2,
           data=d)
summary(tmp1)
```

```
##
## Call:
## lm(formula = limitexp1 ~ frame_right * I(ide_iss_1 + 1.9) + frame_right *
##     ide_iss_2, data = d)
##
## Residuals:
##     Min      1Q  Median      3Q     Max
## -3.1485 -0.8593  0.2286  0.7712  2.2051
##
## Coefficients:
##                                Estimate Std. Error t value Pr(>|t|)
## (Intercept)                     2.19758    0.07388  29.745  < 2e-16 ***
## frame_right                    -0.53207    0.10581  -5.029 5.54e-07 ***
## I(ide_iss_1 + 1.9)              0.03459    0.03305   1.047 0.295433
## ide_iss_2                      -0.06067    0.03296  -1.841 0.065880 .
## frame_right:I(ide_iss_1 + 1.9)  0.18583    0.04817   3.858 0.000119 ***
## frame_right:ide_iss_2           0.27304    0.04605   5.930 3.77e-09 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 1.006 on 1478 degrees of freedom
##   (43 observations deleted due to missingness)
## Multiple R-squared:  0.07022,    Adjusted R-squared:  0.06708
## F-statistic: 22.33 on 5 and 1478 DF,  p-value: < 2.2e-16
```

```r
coeftest(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_id))
```

```
##
## t test of coefficients:
##
##                                Estimate Std. Error t value  Pr(>|t|)
## (Intercept)                     2.197577   0.082306 26.7002 < 2.2e-16 ***
## frame_right                    -0.532071   0.112143 -4.7446 2.292e-06 ***
## I(ide_iss_1 + 1.9)              0.034588   0.036741  0.9414 0.3466507
## ide_iss_2                      -0.060673   0.034642 -1.7514 0.0800841 .
## frame_right:I(ide_iss_1 + 1.9)  0.185829   0.051157  3.6325 0.0002903 ***
## frame_right:ide_iss_2           0.273038   0.047846  5.7066 1.391e-08 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```r
tmp1c_se <- sqrt(diag(vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_id)))
tmp1c_p <- pt(-abs(summary(tmp1)$coefficients[,1]/tmp1c_se), df = tmp1$df.residual)*2
tmp2 <- lm(limitexp1 ~
             frame_right * I(ide_iss_1-2) +
             frame_right * ide_iss_2,
```

```
          data=d)
summary(tmp2)
```

```
##
## Call:
## lm(formula = limitexp1 ~ frame_right * I(ide_iss_1 - 2) + frame_right *
##     ide_iss_2, data = d)
##
## Residuals:
##     Min      1Q  Median      3Q     Max
## -3.1485 -0.8593  0.2286  0.7712  2.2051
##
## Coefficients:
##                               Estimate Std. Error t value Pr(>|t|)
## (Intercept)                    2.33247    0.07458  31.276  < 2e-16 ***
## frame_right                    0.19266    0.10919   1.765 0.077851 .
## I(ide_iss_1 - 2)               0.03459    0.03305   1.047 0.295433
## ide_iss_2                     -0.06067    0.03296  -1.841 0.065880 .
## frame_right:I(ide_iss_1 - 2)   0.18583    0.04817   3.858 0.000119 ***
## frame_right:ide_iss_2          0.27304    0.04605   5.930 3.77e-09 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 1.006 on 1478 degrees of freedom
##   (43 observations deleted due to missingness)
## Multiple R-squared:  0.07022,    Adjusted R-squared:  0.06708
## F-statistic: 22.33 on 5 and 1478 DF,  p-value: < 2.2e-16
```

```
coeftest(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_id))
```

```
##
## t test of coefficients:
##
##                               Estimate Std. Error t value  Pr(>|t|)
## (Intercept)                    2.332470   0.078603 29.6742 < 2.2e-16 ***
## frame_right                    0.192661   0.113115  1.7032 0.0887354 .
## I(ide_iss_1 - 2)               0.034588   0.036741  0.9414 0.3466507
## ide_iss_2                     -0.060673   0.034642 -1.7514 0.0800841 .
## frame_right:I(ide_iss_1 - 2)   0.185829   0.051157  3.6325 0.0002903 ***
## frame_right:ide_iss_2          0.273038   0.047846  5.7066 1.391e-08 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
tmp2c_se <- sqrt(diag(vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_id)))
tmp2c_p <- pt(-abs(summary(tmp2)$coefficients[,1]/tmp2c_se), df = tmp2$df.residual)*2

tmpdt <-
  rbind(c(mbfL02$coefficients[2],mbfL02c_se[2],
          coefci(mbfL02, vcov.=vcovCL(mbfL02,cluster=na.omit(d[,c("start_id",all.vars(mbfL02$terms))])$s
          coefci(mbfL02, vcov.=vcovCL(mbfL02,cluster=na.omit(d[,c("start_id",all.vars(mbfL02$terms))])$s
        c(tmp1$coefficients[2],tmp1c_se[2],
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_
        c(tmp2$coefficients[2],tmp2c_se[2],
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_
```

```
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_

tmpdt <- as.data.frame(tmpdt)
colnames(tmpdt) <- c("cf","se","lci","uci","lci90","uci90")

mbfL02adt <- tmpdt
mbfL02adt$type <- "National\nSecurity"
mbfL02adt$value <- c("Neut.\n(50%)","Left\n(5%)","Right\n(95%)")
mbfL02adt
```

```
##           cf         se         lci         uci        lci90      uci90               type        va
## 1 -0.1789964 0.05232536 -0.28163630 -0.07635656 -0.265117962 -0.0928749 National\nSecurity Neut.\n(5
## 2 -0.5320711 0.11214315 -0.75204776 -0.31209441 -0.716645839 -0.3474963 National\nSecurity   Left\n(
## 3  0.1926611 0.11311521 -0.02922233  0.41454454  0.006486454  0.3788358 National\nSecurity Right\n(9
```

```
## Issue Ideology (Equality) ##

quantile(d$ide_iss_2, probs = c(0.05,0.5,0.95))
```

```
##          5%         50%         95%
## -1.72973639 -0.01950903  2.06652041
```

```
tmp1 <- lm(limitexp1 ~
             frame_right * ide_iss_1 +
             frame_right * I(ide_iss_2+1.7),
           data=d)
summary(tmp1)
```

```
##
## Call:
## lm(formula = limitexp1 ~ frame_right * ide_iss_1 + frame_right *
##     I(ide_iss_2 + 1.7), data = d)
##
## Residuals:
##     Min      1Q  Median      3Q     Max
## -3.1485 -0.8593  0.2286  0.7712  2.2051
##
## Coefficients:
##                                Estimate Std. Error t value Pr(>|t|)
## (Intercept)                     2.36644    0.06659  35.537  < 2e-16 ***
## frame_right                    -0.64316    0.09352  -6.877 8.97e-12 ***
## ide_iss_1                       0.03459    0.03305   1.047 0.295433
## I(ide_iss_2 + 1.7)             -0.06067    0.03296  -1.841 0.065880 .
## frame_right:ide_iss_1           0.18583    0.04817   3.858 0.000119 ***
## frame_right:I(ide_iss_2 + 1.7)  0.27304    0.04605   5.930 3.77e-09 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 1.006 on 1478 degrees of freedom
##   (43 observations deleted due to missingness)
## Multiple R-squared:  0.07022,    Adjusted R-squared:  0.06708
## F-statistic: 22.33 on 5 and 1478 DF,  p-value: < 2.2e-16
```

```
coeftest(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_id))
```

```
##
```

```
## t test of coefficients:
##
##                                Estimate Std. Error t value  Pr(>|t|)
## (Intercept)                    2.366437   0.068232 34.6820 < 2.2e-16 ***
## frame_right                   -0.643161   0.096771 -6.6462 4.217e-11 ***
## ide_iss_1                      0.034588   0.036741  0.9414 0.3466507
## I(ide_iss_2 + 1.7)            -0.060673   0.034642 -1.7514 0.0800841 .
## frame_right:ide_iss_1          0.185829   0.051157  3.6325 0.0002903 ***
## frame_right:I(ide_iss_2 + 1.7) 0.273038   0.047846  5.7066 1.391e-08 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
tmp1c_se <- sqrt(diag(vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_id)))
tmp1c_p <- pt(-abs(summary(tmp1)$coefficients[,1]/tmp1c_se), df = tmp1$df.residual)*2
tmp2 <- lm(limitexp1 ~
             frame_right * ide_iss_1 +
             frame_right * I(ide_iss_2-2.1),
           data=d)
summary(tmp2)
```

```
##
## Call:
## lm(formula = limitexp1 ~ frame_right * ide_iss_1 + frame_right *
##     I(ide_iss_2 - 2.1), data = d)
##
## Residuals:
##     Min      1Q  Median      3Q     Max
## -3.1485 -0.8593  0.2286  0.7712  2.2051
##
## Coefficients:
##                               Estimate Std. Error t value Pr(>|t|)
## (Intercept)                    2.13588    0.07893  27.060  < 2e-16 ***
## frame_right                    0.39438    0.11054   3.568 0.000372 ***
## ide_iss_1                      0.03459    0.03305   1.047 0.295433
## I(ide_iss_2 - 2.1)            -0.06067    0.03296  -1.841 0.065880 .
## frame_right:ide_iss_1          0.18583    0.04817   3.858 0.000119 ***
## frame_right:I(ide_iss_2 - 2.1) 0.27304    0.04605   5.930 3.77e-09 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 1.006 on 1478 degrees of freedom
##   (43 observations deleted due to missingness)
## Multiple R-squared:  0.07022,    Adjusted R-squared:  0.06708
## F-statistic: 22.33 on 5 and 1478 DF,  p-value: < 2.2e-16
```

```
coeftest(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_id))
```

```
##
## t test of coefficients:
##
##                                Estimate Std. Error t value  Pr(>|t|)
## (Intercept)                    2.135882   0.082783 25.8010 < 2.2e-16 ***
## frame_right                    0.394384   0.113227  3.4831 0.0005101 ***
## ide_iss_1                      0.034588   0.036741  0.9414 0.3466507
## I(ide_iss_2 - 2.1)            -0.060673   0.034642 -1.7514 0.0800841 .
```

```
## frame_right:ide_iss_1           0.185829   0.051157  3.6325 0.0002903 ***
## frame_right:I(ide_iss_2 - 2.1)  0.273038   0.047846  5.7066 1.391e-08 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
tmp2c_se <- sqrt(diag(vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_id)))
tmp2c_p <- pt(-abs(summary(tmp2)$coefficients[,1]/tmp2c_se), df = tmp2$df.residual)*2

tmpdt <-
  rbind(c(mbfL02$coefficients[2],mbfL02c_se[2],
          coefci(mbfL02, vcov.=vcovCL(mbfL02,cluster=na.omit(d[,c("start_id",all.vars(mbfL02$terms))])$s
          coefci(mbfL02, vcov.=vcovCL(mbfL02,cluster=na.omit(d[,c("start_id",all.vars(mbfL02$terms))])$s
        c(tmp1$coefficients[2],tmp1c_se[2],
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_i
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_i
        c(tmp2$coefficients[2],tmp2c_se[2],
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_i
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_i

tmpdt <- as.data.frame(tmpdt)
colnames(tmpdt) <- c("cf","se","lci","uci","lci90","uci90")

mbfL02bdt <- tmpdt
mbfL02bdt$type <- "Equality"
mbfL02bdt$value <- c("Neut.\n(50%)","Left\n(5%)","Right\n(95%)")
mbfL02bdt
```

```
##           cf         se        lci         uci      lci90      uci90     type        value
## 1 -0.1789964 0.05232536 -0.2816363 -0.07635656 -0.2651180 -0.0928749 Equality Neut.\n(50%)
## 2 -0.6431614 0.09677068 -0.8329839 -0.45333892 -0.8024349 -0.4838880 Equality   Left\n(5%)
## 3  0.3943839 0.11322738  0.1722804  0.61648732  0.2080246  0.5807431 Equality Right\n(95%)
```

```
## Party Support Ideology ##

tmp1 <- lm(limitexp1 ~
             frame_right * ifelse(left_psup==0&right_psup==0,1,0) +
             frame_right * right_psup,
           data=d)
summary(tmp1)
```

```
##
## Call:
## lm(formula = limitexp1 ~ frame_right * ifelse(left_psup == 0 &
##     right_psup == 0, 1, 0) + frame_right * right_psup, data = d)
##
## Residuals:
##     Min      1Q  Median      3Q     Max
## -2.3346 -1.0566  0.6654  0.7526  2.3775
##
## Coefficients:
##                                                    Estimate Std. Error t value Pr(>|t|)
## (Intercept)                                         2.15000    0.10283  20.909  < 2e-16 ***
## frame_right                                        -0.52755    0.14616  -3.609 0.000317 ***
## ifelse(left_psup == 0 & right_psup == 0, 1, 0)      0.09737    0.11557   0.843 0.399632
## right_psup                                          0.18459    0.12062   1.530 0.126143
## frame_right:ifelse(left_psup == 0 & right_psup == 0, 1, 0)  0.33679    0.16430   2.050 0.040560 *
```

```
## frame_right:right_psup                                      0.46434    0.17108   2.714 0.006721 **
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 1.028 on 1478 degrees of freedom
##   (43 observations deleted due to missingness)
## Multiple R-squared:  0.02885,    Adjusted R-squared:  0.02557
## F-statistic: 8.783 on 5 and 1478 DF,  p-value: 3.185e-08
```

```
coeftest(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_id))
```

```
##
## t test of coefficients:
##
##                                                          Estimate Std. Error t value  Pr(>|t|)
## (Intercept)                                              2.150000   0.119720 17.9585 < 2.2e-16 ***
## frame_right                                             -0.527551   0.166801 -3.1628  0.001595 **
## ifelse(left_psup == 0 & right_psup == 0, 1, 0)           0.097368   0.129399  0.7525  0.451889
## right_psup                                               0.184586   0.134101  1.3765  0.168883
## frame_right:ifelse(left_psup == 0 & right_psup == 0, 1, 0)  0.336786   0.181912  1.8514  0.064315 .
## frame_right:right_psup                                   0.464340   0.188596  2.4621  0.013927 *
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
tmp1c_se <- sqrt(diag(vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_id)))
tmp1c_p <- pt(-abs(summary(tmp1)$coefficients[,1]/tmp1c_se), df = tmp1$df.residual)*2
tmp2 <- lm(limitexp1 ~
             frame_right * left_psup +
             frame_right * ifelse(left_psup==0&right_psup==0,1,0),
           data=d)
summary(tmp2)
```

```
##
## Call:
## lm(formula = limitexp1 ~ frame_right * left_psup + frame_right *
##     ifelse(left_psup == 0 & right_psup == 0, 1, 0), data = d)
##
## Residuals:
##     Min      1Q  Median      3Q     Max
## -2.3346 -1.0566  0.6654  0.7526  2.3775
##
## Coefficients:
##                                                         Estimate Std. Error t value Pr(>|t|)
## (Intercept)                                              2.33459    0.06305  37.029  < 2e-16 ***
## frame_right                                             -0.06321    0.08891  -0.711  0.47724
## left_psup                                               -0.18459    0.12062  -1.530  0.12614
## ifelse(left_psup == 0 & right_psup == 0, 1, 0)          -0.08722    0.08220  -1.061  0.28886
## frame_right:left_psup                                   -0.46434    0.17108  -2.714  0.00672 **
## frame_right:ifelse(left_psup == 0 & right_psup == 0, 1, 0) -0.12755    0.11635  -1.096  0.27314
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 1.028 on 1478 degrees of freedom
##   (43 observations deleted due to missingness)
## Multiple R-squared:  0.02885,    Adjusted R-squared:  0.02557
```

```
## F-statistic: 8.783 on 5 and 1478 DF,  p-value: 3.185e-08
```

```
coeftest(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_id))
```

```
##
## t test of coefficients:
##
##                                                          Estimate Std. Error t value Pr(>|t|)
## (Intercept)                                               2.334586   0.060416 38.6419  < 2e-16 ***
## frame_right                                              -0.063211   0.088012 -0.7182  0.47274
## left_psup                                                -0.184586   0.134101 -1.3765  0.16888
## ifelse(left_psup == 0 & right_psup == 0, 1, 0)           -0.087218   0.077853 -1.1203  0.26277
## frame_right:left_psup                                    -0.464340   0.188596 -2.4621  0.01393 *
## frame_right:ifelse(left_psup == 0 & right_psup == 0, 1, 0) -0.127554   0.114085 -1.1181  0.26372
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
tmp2c_se <- sqrt(diag(vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_id)))
tmp2c_p <- pt(-abs(summary(tmp2)$coefficients[,1]/tmp2c_se), df = tmp2$df.residual)*2

tmpdt <-
  rbind(c(mbfL03$coefficients[2],mbfL03c_se[2],
          coefci(mbfL03, vcov.=vcovCL(mbfL03,cluster=na.omit(d[,c("start_id",all.vars(mbfL03$terms))])$s
          coefci(mbfL03, vcov.=vcovCL(mbfL03,cluster=na.omit(d[,c("start_id",all.vars(mbfL03$terms))])$s
        c(tmp1$coefficients[2],tmp1c_se[2],
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_
        c(tmp2$coefficients[2],tmp2c_se[2],
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_

tmpdt <- as.data.frame(tmpdt)
colnames(tmpdt) <- c("cf","se","lci","uci","lci90","uci90")

mbfL03dt <- tmpdt
mbfL03dt$type <- "Party"
mbfL03dt$value <- c("Neither","Left\nParty","Right\nParty")
mbfL03dt
```

```
##           cf         se        lci         uci      lci90       uci90  type        value
## 1 -0.1907646 0.07258939 -0.3331538 -0.04837545 -0.3102385 -0.07129084 Party      Neither
## 2 -0.5275510 0.16680102 -0.8547430 -0.20035908 -0.8020864 -0.25301568 Party  Left\nParty
## 3 -0.0632110 0.08801168 -0.2358521  0.10943010 -0.2080681  0.08164612 Party Right\nParty
```

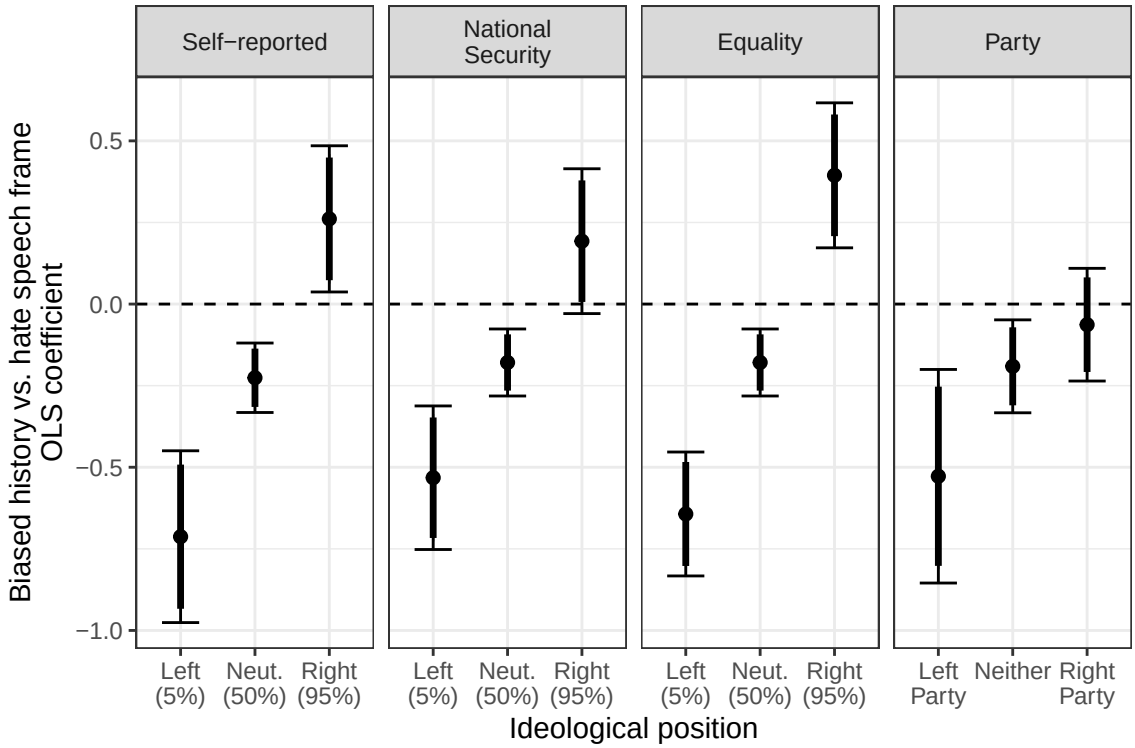
```
## Combine Data ##

mbfLdt <- rbind(mbfL01dt,mbfL02adt,mbfL02bdt,mbfL03dt)
mbfLdt$type <- factor(mbfLdt$type, unique(mbfLdt$type))
unique(mbfLdt$value)
```

```
## [1] "Neut.\n(50%)" "Left\n(5%)"   "Right\n(95%)" "Neither"      "Left\nParty"  "Right\nParty"
```

```
mbfLdt$value <- factor(mbfLdt$value, c("Left\n(5%)", "Left\nParty",
                                       "Neut.\n(50%)", "Neither",
                                       "Right\n(95%)", "Right\nParty"))

write.csv(mbfLdt, row.names = F, file = "../out/effect_frame_lm_base_v2.csv")
```

```
## Plot of Conditional Framing Effect ##

require(ggplot2)

p <- ggplot(mbfLdt, aes(x=value,y=cf)) +
  geom_hline(aes(yintercept=0), linetype=2) +
  geom_errorbar(aes(ymin=lci,ymax=uci), width=0.5) +
  geom_errorbar(aes(ymin=lci90,ymax=uci90), width=0, size=1.2) +
  geom_point(size=2) +
  facet_grid(.~type, scales = "free_x") +
  labs(x="Ideological position", y="Biased history vs. hate speech frame\nOLS coefficient") +
  theme_bw()
```

```
p
```




```
ggsave("../out/effect_frame_lm_base_v2.pdf", width=6, height=4)
ggsave("../out/effect_frame_lm_base_v2.png", width=6, height=4)
```

```
quantile(d$ide_self, probs = c(0.05,0.5,0.95))
```

Extended Models (Figure F.1)

```
##  5% 50% 95%
##  -2   0   2
```

```
## Self-reported Ideology ##

tmp1 <- lm(limitexp1 ~
             frame_right * I(ide_self+2) +
             fem + age + inccat + educat + employed + knall + csup + eqview + hmview,
```

```
          data=d)
summary(tmp1)
```

```
##
## Call:
## lm(formula = limitexp1 ~ frame_right * I(ide_self + 2) + fem +
##     age + inccat + educat + employed + knall + csup + eqview +
##     hmview, data = d)
##
## Residuals:
##     Min      1Q  Median      3Q     Max
## -2.7612 -0.9313  0.3320  0.7988  2.4406
##
## Coefficients:
##                               Estimate Std. Error t value Pr(>|t|)
## (Intercept)                   1.885085   0.189039   9.972  < 2e-16 ***
## frame_right                  -0.698322   0.124824  -5.594 2.65e-08 ***
## I(ide_self + 2)              -0.033480   0.037496  -0.893 0.372060
## fem                           0.114308   0.057602   1.984 0.047397 *
## age                           0.003411   0.002618   1.303 0.192818
## inccatMiddle (>=4m,<8m)      -0.039014   0.063922  -0.610 0.541732
## inccatHigh (>=8m)            -0.021777   0.085634  -0.254 0.799300
## inccatMissing                 0.112584   0.088627   1.270 0.204180
## educat>SHS & <University     -0.010958   0.089240  -0.123 0.902289
## educat>=University           -0.086008   0.074897  -1.148 0.251018
## employed                      0.005730   0.063028   0.091 0.927581
## knall                        -0.059960   0.101844  -0.589 0.556125
## csup                          0.204801   0.061172   3.348 0.000835 ***
## eqview                        0.231317   0.119675   1.933 0.053449 .
## hmview                        0.250607   0.134725   1.860 0.063070 .
## frame_right:I(ide_self + 2)  0.239763   0.052586   4.559 5.56e-06 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 1.021 on 1438 degrees of freedom
##   (73 observations deleted due to missingness)
## Multiple R-squared:  0.05689,    Adjusted R-squared:  0.04705
## F-statistic: 5.783 on 15 and 1438 DF,  p-value: 9.954e-12
```

```
coeftest(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_id))
```

```
##
## t test of coefficients:
##
##                               Estimate Std. Error t value  Pr(>|t|)
## (Intercept)                  1.8850850  0.1928331  9.7757 < 2.2e-16 ***
## frame_right                 -0.6983223  0.1326571 -5.2641 1.622e-07 ***
## I(ide_self + 2)             -0.0334800  0.0411265 -0.8141  0.415738
## fem                          0.1143077  0.0582852  1.9612  0.050051 .
## age                          0.0034111  0.0026532  1.2857  0.198771
## inccatMiddle (>=4m,<8m)     -0.0390143  0.0641922 -0.6078  0.543434
## inccatHigh (>=8m)           -0.0217769  0.0875666 -0.2487  0.803637
## inccatMissing                0.1125841  0.0845561  1.3315  0.183245
## educat>SHS & <University    -0.0109579  0.0891367 -0.1229  0.902176
```

```
## educat>=University          -0.0860077  0.0744978 -1.1545  0.248487
## employed                     0.0057296  0.0608198  0.0942  0.924959
## knall                       -0.0599602  0.1008739 -0.5944  0.552333
## csup                         0.2048009  0.0602824  3.3974  0.000699 ***
## eqview                       0.2313166  0.1273922  1.8158  0.069612 .
## hmview                       0.2506066  0.1417239  1.7683  0.077227 .
## frame_right:I(ide_self + 2)  0.2397629  0.0555956  4.3126 1.723e-05 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
tmp1c_se <- sqrt(diag(vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_id)))
tmp1c_p <- pt(-abs(summary(tmp1)$coefficients[,1]/tmp1c_se), df = tmp1$df.residual)*2
tmp2 <- lm(limitexp1 ~
             frame_right * I(ide_self-2) +
             fem + age + inccat + educat + employed + knall + csup + eqview + hmview,
           data=d)
summary(tmp2)
```

```
##
## Call:
## lm(formula = limitexp1 ~ frame_right * I(ide_self - 2) + fem +
##     age + inccat + educat + employed + knall + csup + eqview +
##     hmview, data = d)
##
## Residuals:
##     Min      1Q  Median      3Q     Max
## -2.7612 -0.9313  0.3320  0.7988  2.4406
##
## Coefficients:
##                              Estimate Std. Error t value Pr(>|t|)
## (Intercept)                  1.751165   0.189888   9.222  < 2e-16 ***
## frame_right                  0.260729   0.111466   2.339 0.019467 *
## I(ide_self - 2)             -0.033480   0.037496  -0.893 0.372060
## fem                          0.114308   0.057602   1.984 0.047397 *
## age                          0.003411   0.002618   1.303 0.192818
## inccatMiddle (>=4m,<8m)     -0.039014   0.063922  -0.610 0.541732
## inccatHigh (>=8m)           -0.021777   0.085634  -0.254 0.799300
## inccatMissing                0.112584   0.088627   1.270 0.204180
## educat>SHS & <University    -0.010958   0.089240  -0.123 0.902289
## educat>=University          -0.086008   0.074897  -1.148 0.251018
## employed                     0.005730   0.063028   0.091 0.927581
## knall                       -0.059960   0.101844  -0.589 0.556125
## csup                         0.204801   0.061172   3.348 0.000835 ***
## eqview                       0.231317   0.119675   1.933 0.053449 .
## hmview                       0.250607   0.134725   1.860 0.063070 .
## frame_right:I(ide_self - 2)  0.239763   0.052586   4.559 5.56e-06 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 1.021 on 1438 degrees of freedom
##   (73 observations deleted due to missingness)
## Multiple R-squared:  0.05689,    Adjusted R-squared:  0.04705
## F-statistic: 5.783 on 15 and 1438 DF,  p-value: 9.954e-12
```

```
coeftest(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_id))
```

```
##
## t test of coefficients:
##
##                               Estimate Std. Error t value  Pr(>|t|)
## (Intercept)                  1.7511652  0.1963809  8.9172 < 2.2e-16 ***
## frame_right                  0.2607293  0.1142273  2.2825  0.022602 *
## I(ide_self - 2)             -0.0334800  0.0411265 -0.8141  0.415738
## fem                          0.1143077  0.0582852  1.9612  0.050051 .
## age                          0.0034111  0.0026532  1.2857  0.198771
## inccatMiddle (>=4m,<8m)     -0.0390143  0.0641922 -0.6078  0.543434
## inccatHigh (>=8m)           -0.0217769  0.0875666 -0.2487  0.803637
## inccatMissing                0.1125841  0.0845561  1.3315  0.183245
## educat>SHS & <University    -0.0109579  0.0891367 -0.1229  0.902176
## educat>=University          -0.0860077  0.0744978 -1.1545  0.248487
## employed                     0.0057296  0.0608198  0.0942  0.924959
## knall                       -0.0599602  0.1008739 -0.5944  0.552333
## csup                         0.2048009  0.0602824  3.3974  0.000699 ***
## eqview                       0.2313166  0.1273922  1.8158  0.069612 .
## hmview                       0.2506066  0.1417239  1.7683  0.077227 .
## frame_right:I(ide_self - 2)  0.2397629  0.0555956  4.3126 1.723e-05 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
tmp2c_se <- sqrt(diag(vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_id)))
tmp2c_p <- pt(-abs(summary(tmp2)$coefficients[,1]/tmp2c_se), df = tmp2$df.residual)*2

tmpdt <-
  rbind(c(mfL01$coefficients[2],mfL01c_se[2],
          coefci(mfL01, vcov.=vcovCL(mfL01,cluster=na.omit(d[,c("start_id",all.vars(mfL01$terms))])$sta
          coefci(mfL01, vcov.=vcovCL(mfL01,cluster=na.omit(d[,c("start_id",all.vars(mfL01$terms))])$sta
        c(tmp1$coefficients[2],tmp1c_se[2],
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_
        c(tmp2$coefficients[2],tmp2c_se[2],
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_

tmpdt <- as.data.frame(tmpdt)
colnames(tmpdt) <- c("cf","se","lci","uci","lci90","uci90")

mfL01dt <- tmpdt
mfL01dt$type <- "Self-reported"
mfL01dt$value <- c("Neut.\n(50%)","Left\n(5%)","Right\n(95%)")
mfL01dt
```

```
##           cf         se         lci        uci       lci90      uci90          type        value
## 1 -0.2187965 0.05440045 -0.32550925 -0.1120838 -0.30833497 -0.1292580 Self-reported Neut.\n(50%)
## 2 -0.6983223 0.13265714 -0.95854453 -0.4381001 -0.91666453 -0.4799801 Self-reported   Left\n(5%)
## 3  0.2607293 0.11422727  0.03665936  0.4847992  0.07272103  0.4487375 Self-reported Right\n(95%)
```

```
## Issue Ideology (National Security) ##

quantile(d$ide_iss_1, probs = c(0.05,0.5,0.95))
```

```
##          5%         50%         95%
## -1.89504357 -0.03456401  2.02020691
```

```
tmp1 <- lm(limitexp1 ~
             frame_right * I(ide_iss_1+1.9) +
             frame_right * ide_iss_2 +
             fem + age + inccat + educat + employed + knall + csup + eqview + hmview,
           data=d)
summary(tmp1)
```

```
##
## Call:
## lm(formula = limitexp1 ~ frame_right * I(ide_iss_1 + 1.9) + frame_right *
##     ide_iss_2 + fem + age + inccat + educat + employed + knall +
##     csup + eqview + hmview, data = d)
##
## Residuals:
##     Min      1Q  Median      3Q     Max
## -3.3751 -0.8643  0.2273  0.7858  2.2605
##
## Coefficients:
##                                Estimate Std. Error t value Pr(>|t|)
## (Intercept)                    1.815251   0.180865  10.036  < 2e-16 ***
## frame_right                   -0.496649   0.106759  -4.652 3.59e-06 ***
## I(ide_iss_1 + 1.9)             0.029772   0.035398   0.841 0.400453
## ide_iss_2                     -0.050542   0.034399  -1.469 0.141979
## fem                            0.169958   0.058455   2.907 0.003699 **
## age                            0.002113   0.002649   0.798 0.425125
## inccatMiddle (>=4m,<8m)       -0.057573   0.062895  -0.915 0.360145
## inccatHigh (>=8m)             -0.035483   0.084280  -0.421 0.673808
## inccatMissing                  0.115749   0.087177   1.328 0.184474
## educat>SHS & <University       0.009672   0.087783   0.110 0.912278
## educat>=University            -0.049219   0.073863  -0.666 0.505286
## employed                       0.008708   0.061842   0.141 0.888040
## knall                         -0.054980   0.100239  -0.548 0.583440
## csup                           0.126527   0.062721   2.017 0.043849 *
## eqview                         0.220186   0.117620   1.872 0.061409 .
## hmview                         0.214619   0.135393   1.585 0.113153
## frame_right:I(ide_iss_1 + 1.9) 0.166837   0.048530   3.438 0.000603 ***
## frame_right:ide_iss_2          0.272905   0.046445   5.876 5.22e-09 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 1.004 on 1436 degrees of freedom
##   (73 observations deleted due to missingness)
## Multiple R-squared:  0.08953,    Adjusted R-squared:  0.07875
## F-statistic: 8.306 on 17 and 1436 DF,  p-value: < 2.2e-16
```

```
coeftest(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_id))
```

```
##
## t test of coefficients:
##
##                                Estimate Std. Error t value  Pr(>|t|)
## (Intercept)                   1.8152513  0.1865112  9.7327 < 2.2e-16 ***
```

```
## frame_right                     -0.4966491  0.1131144 -4.3907 1.213e-05 ***
## I(ide_iss_1 + 1.9)               0.0297721  0.0399686  0.7449  0.456461
## ide_iss_2                       -0.0505415  0.0362261 -1.3952  0.163180
## fem                              0.1699577  0.0601392  2.8261  0.004778 **
## age                              0.0021130  0.0026898  0.7856  0.432259
## inccatMiddle (>=4m,<8m)         -0.0575732  0.0637215 -0.9035  0.366405
## inccatHigh (>=8m)               -0.0354829  0.0860231 -0.4125  0.680048
## inccatMissing                    0.1157486  0.0821143  1.4096  0.158873
## educat>SHS & <University         0.0096724  0.0883625  0.1095  0.912851
## educat>=University              -0.0492194  0.0724295 -0.6795  0.496900
## employed                         0.0087080  0.0600017  0.1451  0.884629
## knall                           -0.0549800  0.0980370 -0.5608  0.575015
## csup                             0.1265273  0.0608150  2.0805  0.037654 *
## eqview                           0.2201860  0.1270103  1.7336  0.083202 .
## hmview                           0.2146186  0.1441474  1.4889  0.136738
## frame_right:I(ide_iss_1 + 1.9)  0.1668372  0.0520571  3.2049  0.001381 **
## frame_right:ide_iss_2           0.2729046  0.0485967  5.6157 2.347e-08 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
tmp1c_se <- sqrt(diag(vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_id)))
tmp1c_p <- pt(-abs(summary(tmp1)$coefficients[,1]/tmp1c_se), df = tmp1$df.residual)*2
tmp2 <- lm(limitexp1 ~
             frame_right * I(ide_iss_1-2) +
             frame_right * ide_iss_2 +
             fem + age + inccat + educat + employed + knall + csup + eqview + hmview,
           data=d)
summary(tmp2)
```

```
##
## Call:
## lm(formula = limitexp1 ~ frame_right * I(ide_iss_1 - 2) + frame_right *
##     ide_iss_2 + fem + age + inccat + educat + employed + knall +
##     csup + eqview + hmview, data = d)
##
## Residuals:
##     Min      1Q  Median      3Q     Max
## -3.3751 -0.8643  0.2273  0.7858  2.2605
##
## Coefficients:
##                              Estimate Std. Error t value Pr(>|t|)
## (Intercept)                  1.931362   0.189124  10.212  < 2e-16 ***
## frame_right                  0.154016   0.109989   1.400 0.161643
## I(ide_iss_1 - 2)             0.029772   0.035398   0.841 0.400453
## ide_iss_2                   -0.050542   0.034399  -1.469 0.141979
## fem                          0.169958   0.058455   2.907 0.003699 **
## age                          0.002113   0.002649   0.798 0.425125
## inccatMiddle (>=4m,<8m)     -0.057573   0.062895  -0.915 0.360145
## inccatHigh (>=8m)           -0.035483   0.084280  -0.421 0.673808
## inccatMissing                0.115749   0.087177   1.328 0.184474
## educat>SHS & <University     0.009672   0.087783   0.110 0.912278
## educat>=University          -0.049219   0.073863  -0.666 0.505286
## employed                     0.008708   0.061842   0.141 0.888040
## knall                       -0.054980   0.100239  -0.548 0.583440
## csup                         0.126527   0.062721   2.017 0.043849 *
```

```
## eqview                        0.220186   0.117620   1.872 0.061409 .
## hmview                        0.214619   0.135393   1.585 0.113153
## frame_right:I(ide_iss_1 - 2)  0.166837   0.048530   3.438 0.000603 ***
## frame_right:ide_iss_2         0.272905   0.046445   5.876 5.22e-09 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 1.004 on 1436 degrees of freedom
##   (73 observations deleted due to missingness)
## Multiple R-squared:  0.08953,    Adjusted R-squared:  0.07875
## F-statistic: 8.306 on 17 and 1436 DF,  p-value: < 2.2e-16
```

```
coeftest(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_id))
```

```
##
## t test of coefficients:
##
##                               Estimate Std. Error t value  Pr(>|t|)
## (Intercept)                  1.9313625  0.1937400  9.9688 < 2.2e-16 ***
## frame_right                  0.1540158  0.1156789  1.3314  0.183266
## I(ide_iss_1 - 2)             0.0297721  0.0399686  0.7449  0.456461
## ide_iss_2                   -0.0505415  0.0362261 -1.3952  0.163180
## fem                          0.1699577  0.0601392  2.8261  0.004778 **
## age                          0.0021130  0.0026898  0.7856  0.432259
## inccatMiddle (>=4m,<8m)     -0.0575732  0.0637215 -0.9035  0.366405
## inccatHigh (>=8m)           -0.0354829  0.0860231 -0.4125  0.680048
## inccatMissing                0.1157486  0.0821143  1.4096  0.158873
## educat>SHS & <University     0.0096724  0.0883625  0.1095  0.912851
## educat>=University          -0.0492194  0.0724295 -0.6795  0.496900
## employed                     0.0087080  0.0600017  0.1451  0.884629
## knall                       -0.0549800  0.0980370 -0.5608  0.575015
## csup                         0.1265273  0.0608150  2.0805  0.037654 *
## eqview                       0.2201860  0.1270103  1.7336  0.083202 .
## hmview                       0.2146186  0.1441474  1.4889  0.136738
## frame_right:I(ide_iss_1 - 2)  0.1668372  0.0520571  3.2049  0.001381 **
## frame_right:ide_iss_2        0.2729046  0.0485967  5.6157 2.347e-08 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
tmp2c_se <- sqrt(diag(vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_id)))
tmp2c_p <- pt(-abs(summary(tmp2)$coefficients[,1]/tmp2c_se), df = tmp2$df.residual)*2

tmpdt <-
  rbind(c(mfL02$coefficients[2],mfL02c_se[2],
          coefci(mfL02, vcov.=vcovCL(mfL02,cluster=na.omit(d[,c("start_id",all.vars(mfL02$terms))])$sta
          coefci(mfL02, vcov.=vcovCL(mfL02,cluster=na.omit(d[,c("start_id",all.vars(mfL02$terms))])$sta
        c(tmp1$coefficients[2],tmp1c_se[2],
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_
        c(tmp2$coefficients[2],tmp2c_se[2],
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_

tmpdt <- as.data.frame(tmpdt)
colnames(tmpdt) <- c("cf","se","lci","uci","lci90","uci90")
```

```r
mfL02adt <- tmpdt
mfL02adt$type <- "National\nSecurity"
mfL02adt$value <- c("Neut.\n(50%)","Left\n(5%)","Right\n(95%)")
mfL02adt
```

```
##           cf         se         lci         uci       lci90      uci90                type        valu
## 1 -0.1796585 0.05275338 -0.28314046 -0.07617656 -0.26648611 -0.0928309 National\nSecurity Neut.\n(50%
## 2 -0.4966491 0.11311436 -0.71853622 -0.27476205 -0.68282580 -0.3104725 National\nSecurity   Left\n(5%
## 3  0.1540158 0.11567891 -0.07290192  0.38093359 -0.03638186  0.3444135 National\nSecurity Right\n(95%
```

```r
## Issue Ideology (Equality) ##

quantile(d$ide_iss_2, probs = c(0.05,0.5,0.95))
```

```
##          5%         50%         95%
## -1.72973639 -0.01950903  2.06652041
```

```r
tmp1 <- lm(limitexp1 ~
             frame_right * ide_iss_1 +
             frame_right * I(ide_iss_2+1.7) +
             fem + age + inccat + educat + employed + knall + csup + eqview + hmview,
           data=d)
summary(tmp1)
```

```
##
## Call:
## lm(formula = limitexp1 ~ frame_right * ide_iss_1 + frame_right *
##     I(ide_iss_2 + 1.7) + fem + age + inccat + educat + employed +
##     knall + csup + eqview + hmview, data = d)
##
## Residuals:
##     Min      1Q  Median      3Q     Max
## -3.3751 -0.8643  0.2273  0.7858  2.2605
##
## Coefficients:
##                                 Estimate Std. Error t value Pr(>|t|)
## (Intercept)                     1.957739   0.179554  10.903  < 2e-16 ***
## frame_right                    -0.643596   0.094423  -6.816 1.37e-11 ***
## ide_iss_1                       0.029772   0.035398   0.841 0.400453
## I(ide_iss_2 + 1.7)             -0.050542   0.034399  -1.469 0.141979
## fem                             0.169958   0.058455   2.907 0.003699 **
## age                             0.002113   0.002649   0.798 0.425125
## inccatMiddle (>=4m,<8m)        -0.057573   0.062895  -0.915 0.360145
## inccatHigh (>=8m)              -0.035483   0.084280  -0.421 0.673808
## inccatMissing                   0.115749   0.087177   1.328 0.184474
## educat>SHS & <University        0.009672   0.087783   0.110 0.912278
## educat>=University             -0.049219   0.073863  -0.666 0.505286
## employed                        0.008708   0.061842   0.141 0.888040
## knall                          -0.054980   0.100239  -0.548 0.583440
## csup                            0.126527   0.062721   2.017 0.043849 *
## eqview                          0.220186   0.117620   1.872 0.061409 .
## hmview                          0.214619   0.135393   1.585 0.113153
## frame_right:ide_iss_1           0.166837   0.048530   3.438 0.000603 ***
## frame_right:I(ide_iss_2 + 1.7)  0.272905   0.046445   5.876 5.22e-09 ***
## ---
```

```
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 1.004 on 1436 degrees of freedom
##   (73 observations deleted due to missingness)
## Multiple R-squared:  0.08953,    Adjusted R-squared:  0.07875
## F-statistic: 8.306 on 17 and 1436 DF,  p-value: < 2.2e-16
```

```
coeftest(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_id))
```

```
##
## t test of coefficients:
##
##                                  Estimate Std. Error t value  Pr(>|t|)
## (Intercept)                     1.9577388  0.1830656 10.6942 < 2.2e-16 ***
## frame_right                    -0.6435962  0.0981223 -6.5591 7.533e-11 ***
## ide_iss_1                       0.0297721  0.0399686  0.7449  0.456461
## I(ide_iss_2 + 1.7)             -0.0505415  0.0362261 -1.3952  0.163180
## fem                             0.1699577  0.0601392  2.8261  0.004778 **
## age                             0.0021130  0.0026898  0.7856  0.432259
## inccatMiddle (>=4m,<8m)        -0.0575732  0.0637215 -0.9035  0.366405
## inccatHigh (>=8m)              -0.0354829  0.0860231 -0.4125  0.680048
## inccatMissing                   0.1157486  0.0821143  1.4096  0.158873
## educat>SHS & <University        0.0096724  0.0883625  0.1095  0.912851
## educat>=University             -0.0492194  0.0724295 -0.6795  0.496900
## employed                        0.0087080  0.0600017  0.1451  0.884629
## knall                          -0.0549800  0.0980370 -0.5608  0.575015
## csup                            0.1265273  0.0608150  2.0805  0.037654 *
## eqview                          0.2201860  0.1270103  1.7336  0.083202 .
## hmview                          0.2146186  0.1441474  1.4889  0.136738
## frame_right:ide_iss_1           0.1668372  0.0520571  3.2049  0.001381 **
## frame_right:I(ide_iss_2 + 1.7)  0.2729046  0.0485967  5.6157 2.347e-08 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
tmp1c_se <- sqrt(diag(vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_id)))
tmp1c_p <- pt(-abs(summary(tmp1)$coefficients[,1]/tmp1c_se), df = tmp1$df.residual)*2
tmp2 <- lm(limitexp1 ~
             frame_right * ide_iss_1 +
             frame_right * I(ide_iss_2-2.1) +
             fem + age + inccat + educat + employed + knall + csup + eqview + hmview,
           data=d)
summary(tmp2)
```

```
##
## Call:
## lm(formula = limitexp1 ~ frame_right * ide_iss_1 + frame_right *
##     I(ide_iss_2 - 2.1) + fem + age + inccat + educat + employed +
##     knall + csup + eqview + hmview, data = d)
##
## Residuals:
##     Min      1Q  Median      3Q     Max
## -3.3751 -0.8643  0.2273  0.7858  2.2605
##
## Coefficients:
##                                 Estimate Std. Error t value Pr(>|t|)
```

```
## (Intercept)                      1.765681   0.188210   9.381  < 2e-16 ***
## frame_right                      0.393441   0.111512   3.528 0.000432 ***
## ide_iss_1                        0.029772   0.035398   0.841 0.400453
## I(ide_iss_2 - 2.1)              -0.050542   0.034399  -1.469 0.141979
## fem                              0.169958   0.058455   2.907 0.003699 **
## age                              0.002113   0.002649   0.798 0.425125
## inccatMiddle (>=4m,<8m)         -0.057573   0.062895  -0.915 0.360145
## inccatHigh (>=8m)               -0.035483   0.084280  -0.421 0.673808
## inccatMissing                    0.115749   0.087177   1.328 0.184474
## educat>SHS & <University         0.009672   0.087783   0.110 0.912278
## educat>=University              -0.049219   0.073863  -0.666 0.505286
## employed                         0.008708   0.061842   0.141 0.888040
## knall                           -0.054980   0.100239  -0.548 0.583440
## csup                             0.126527   0.062721   2.017 0.043849 *
## eqview                           0.220186   0.117620   1.872 0.061409 .
## hmview                           0.214619   0.135393   1.585 0.113153
## frame_right:ide_iss_1            0.166837   0.048530   3.438 0.000603 ***
## frame_right:I(ide_iss_2 - 2.1)   0.272905   0.046445   5.876 5.22e-09 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 1.004 on 1436 degrees of freedom
##   (73 observations deleted due to missingness)
## Multiple R-squared:  0.08953,    Adjusted R-squared:  0.07875
## F-statistic: 8.306 on 17 and 1436 DF,  p-value: < 2.2e-16
```

```
coeftest(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_id))
```

```
##
## t test of coefficients:
##
##                                  Estimate Std. Error t value  Pr(>|t|)
## (Intercept)                     1.7656811  0.1904101  9.2730 < 2.2e-16 ***
## frame_right                     0.3934410  0.1147743  3.4280 0.0006253 ***
## ide_iss_1                       0.0297721  0.0399686  0.7449 0.4564613
## I(ide_iss_2 - 2.1)             -0.0505415  0.0362261 -1.3952 0.1631804
## fem                             0.1699577  0.0601392  2.8261 0.0047775 **
## age                             0.0021130  0.0026898  0.7856 0.4322586
## inccatMiddle (>=4m,<8m)        -0.0575732  0.0637215 -0.9035 0.3664052
## inccatHigh (>=8m)              -0.0354829  0.0860231 -0.4125 0.6800484
## inccatMissing                   0.1157486  0.0821143  1.4096 0.1588732
## educat>SHS & <University        0.0096724  0.0883625  0.1095 0.9128507
## educat>=University             -0.0492194  0.0724295 -0.6795 0.4968997
## employed                        0.0087080  0.0600017  0.1451 0.8846289
## knall                          -0.0549800  0.0980370 -0.5608 0.5750155
## csup                            0.1265273  0.0608150  2.0805 0.0376541 *
## eqview                          0.2201860  0.1270103  1.7336 0.0832023 .
## hmview                          0.2146186  0.1441474  1.4889 0.1367379
## frame_right:ide_iss_1           0.1668372  0.0520571  3.2049 0.0013809 **
## frame_right:I(ide_iss_2 - 2.1)  0.2729046  0.0485967  5.6157 2.347e-08 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
tmp2c_se <- sqrt(diag(vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_id)))
tmp2c_p <- pt(-abs(summary(tmp2)$coefficients[,1]/tmp2c_se), df = tmp2$df.residual)*2
```

```
tmpdt <-
  rbind(c(mfL02$coefficients[2],mfL02c_se[2],
          coefci(mfL02, vcov.=vcovCL(mfL02,cluster=na.omit(d[,c("start_id",all.vars(mfL02$terms))])$sta
          coefci(mfL02, vcov.=vcovCL(mfL02,cluster=na.omit(d[,c("start_id",all.vars(mfL02$terms))])$sta
        c(tmp1$coefficients[2],tmp1c_se[2],
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_
        c(tmp2$coefficients[2],tmp2c_se[2],
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_

tmpdt <- as.data.frame(tmpdt)
colnames(tmpdt) <- c("cf","se","lci","uci","lci90","uci90")

mfL02bdt <- tmpdt
mfL02bdt$type <- "Equality"
mfL02bdt$value <- c("Neut.\n(50%)","Left\n(5%)","Right\n(95%)")
mfL02bdt
```

```
##           cf         se        lci         uci      lci90      uci90     type        value
## 1 -0.1796585 0.05275338 -0.2831405 -0.07617656 -0.2664861 -0.0928309 Equality Neut.\n(50%)
## 2 -0.6435962 0.09812232 -0.8360747 -0.45111780 -0.8050973 -0.4820952 Equality   Left\n(5%)
## 3  0.3934410 0.11477430  0.1682978  0.61858430  0.2045323  0.5823498 Equality Right\n(95%)
```

```
## Party Support Ideology ##

tmp1 <- lm(limitexp1 ~
             frame_right * ifelse(left_psup==0&right_psup==0,1,0) +
             frame_right * right_psup +
             fem + age + inccat + educat + employed + knall + csup + eqview + hmview,
           data=d)
summary(tmp1)
```

```
##
## Call:
## lm(formula = limitexp1 ~ frame_right * ifelse(left_psup == 0 &
##     right_psup == 0, 1, 0) + frame_right * right_psup + fem +
##     age + inccat + educat + employed + knall + csup + eqview +
##     hmview, data = d)
##
## Residuals:
##     Min      1Q  Median      3Q     Max
## -2.4907 -0.9821  0.4171  0.7973  2.4122
##
## Coefficients:
##                                                    Estimate Std. Error t value Pr(>|t|)
## (Intercept)                                        1.748714   0.198838   8.795  < 2e-16 ***
## frame_right                                       -0.532884   0.147157  -3.621 0.000303 ***
## ifelse(left_psup == 0 & right_psup == 0, 1, 0)     0.061874   0.117955   0.525 0.599973
## right_psup                                         0.052536   0.129142   0.407 0.684209
## fem                                                0.100584   0.057852   1.739 0.082312 .
## age                                                0.004004   0.002634   1.520 0.128654
## inccatMiddle (>=4m,<8m)                           -0.036079   0.064273  -0.561 0.574653
## inccatHigh (>=8m)                                 -0.024722   0.086374  -0.286 0.774745
```

```
## inccatMissing                                                0.111715   0.089371   1.250 0.211499
## educat>SHS & <University                                    -0.015872   0.089673  -0.177 0.859535
## educat>=University                                          -0.090638   0.075271  -1.204 0.228727
## employed                                                    -0.001629   0.063401  -0.026 0.979502
## knall                                                       -0.021001   0.102624  -0.205 0.837886
## csup                                                         0.196133   0.068965   2.844 0.004519 **
## eqview                                                       0.233615   0.120151   1.944 0.052050 .
## hmview                                                       0.235655   0.135941   1.734 0.083221 .
## frame_right:ifelse(left_psup == 0 & right_psup == 0, 1, 0)  0.355768   0.166019   2.143 0.032287 *
## frame_right:right_psup                                       0.471727   0.172500   2.735 0.006321 **
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 1.026 on 1436 degrees of freedom
##   (73 observations deleted due to missingness)
## Multiple R-squared:  0.04896,    Adjusted R-squared:  0.0377
## F-statistic: 4.348 on 17 and 1436 DF,  p-value: 8.119e-09
```

```
coeftest(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_id))
```

```
##
## t test of coefficients:
##
##                                                              Estimate Std. Error t value  Pr(>|t|)
## (Intercept)                                                 1.7487143  0.2090750  8.3641 < 2.2e-16 *
## frame_right                                                -0.5328842  0.1657868 -3.2143  0.001337 *
## ifelse(left_psup == 0 & right_psup == 0, 1, 0)              0.0618741  0.1306210  0.4737  0.635791
## right_psup                                                  0.0525362  0.1403031  0.3744  0.708126
## fem                                                         0.1005840  0.0585519  1.7179  0.086037 .
## age                                                         0.0040044  0.0026963  1.4851  0.137732
## inccatMiddle (>=4m,<8m)                                    -0.0360787  0.0646042 -0.5585  0.576619
## inccatHigh (>=8m)                                          -0.0247225  0.0885582 -0.2792  0.780157
## inccatMissing                                               0.1117147  0.0840292  1.3295  0.183903
## educat>SHS & <University                                   -0.0158719  0.0901409 -0.1761  0.860257
## educat>=University                                         -0.0906379  0.0747426 -1.2127  0.225457
## employed                                                   -0.0016293  0.0616191 -0.0264  0.978909
## knall                                                      -0.0210005  0.1012145 -0.2075  0.835660
## csup                                                        0.1961328  0.0676767  2.8981  0.003811 *
## eqview                                                      0.2336148  0.1291575  1.8088  0.070697 .
## hmview                                                      0.2356547  0.1436531  1.6404  0.101132
## frame_right:ifelse(left_psup == 0 & right_psup == 0, 1, 0)  0.3557675  0.1817849  1.9571  0.050532 .
## frame_right:right_psup                                      0.4717272  0.1881627  2.5070  0.012285 *
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
tmp1c_se <- sqrt(diag(vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_id)))
tmp1c_p <- pt(-abs(summary(tmp1)$coefficients[,1]/tmp1c_se), df = tmp1$df.residual)*2
tmp2 <- lm(limitexp1 ~
             frame_right * left_psup +
             frame_right * ifelse(left_psup==0&right_psup==0,1,0) +
             fem + age + inccat + educat + employed + knall + csup + eqview + hmview,
           data=d)
summary(tmp2)
```

```
##
```

```
## Call:
## lm(formula = limitexp1 ~ frame_right * left_psup + frame_right *
##     ifelse(left_psup == 0 & right_psup == 0, 1, 0) + fem + age +
##     inccat + educat + employed + knall + csup + eqview + hmview,
##     data = d)
##
## Residuals:
##     Min      1Q  Median      3Q     Max
## -2.4907 -0.9821  0.4171  0.7973  2.4122
##
## Coefficients:
##                                                          Estimate Std. Error t value Pr(>|t|)
## (Intercept)                                              1.801250   0.190767   9.442  < 2e-16 ***
## frame_right                                             -0.061157   0.089908  -0.680  0.49647
## left_psup                                               -0.052536   0.129142  -0.407  0.68421
## ifelse(left_psup == 0 & right_psup == 0, 1, 0)           0.009338   0.091668   0.102  0.91888
## fem                                                      0.100584   0.057852   1.739  0.08231 .
## age                                                      0.004004   0.002634   1.520  0.12865
## inccatMiddle (>=4m,<8m)                                 -0.036079   0.064273  -0.561  0.57465
## inccatHigh (>=8m)                                       -0.024722   0.086374  -0.286  0.77475
## inccatMissing                                            0.111715   0.089371   1.250  0.21150
## educat>SHS & <University                                -0.015872   0.089673  -0.177  0.85954
## educat>=University                                      -0.090638   0.075271  -1.204  0.22873
## employed                                                -0.001629   0.063401  -0.026  0.97950
## knall                                                   -0.021001   0.102624  -0.205  0.83789
## csup                                                     0.196133   0.068965   2.844  0.00452 **
## eqview                                                   0.233615   0.120151   1.944  0.05205 .
## hmview                                                   0.235655   0.135941   1.734  0.08322 .
## frame_right:left_psup                                   -0.471727   0.172500  -2.735  0.00632 **
## frame_right:ifelse(left_psup == 0 & right_psup == 0, 1, 0) -0.115960   0.117703  -0.985  0.32470
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 1.026 on 1436 degrees of freedom
##   (73 observations deleted due to missingness)
## Multiple R-squared:  0.04896,    Adjusted R-squared:  0.0377
## F-statistic: 4.348 on 17 and 1436 DF,  p-value: 8.119e-09
```

```
coeftest(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_id))
```

```
##
## t test of coefficients:
##
##                                                          Estimate Std. Error t value  Pr(>|t|)
## (Intercept)                                             1.8012505  0.1935039  9.3086 < 2.2e-16 *
## frame_right                                            -0.0611570  0.0892667 -0.6851  0.493388
## left_psup                                              -0.0525362  0.1403031 -0.3744  0.708126
## ifelse(left_psup == 0 & right_psup == 0, 1, 0)          0.0093379  0.0873812  0.1069  0.914911
## fem                                                     0.1005840  0.0585519  1.7179  0.086037 .
## age                                                     0.0040044  0.0026963  1.4851  0.137732
## inccatMiddle (>=4m,<8m)                                -0.0360787  0.0646042 -0.5585  0.576619
## inccatHigh (>=8m)                                      -0.0247225  0.0885582 -0.2792  0.780157
## inccatMissing                                           0.1117147  0.0840292  1.3295  0.183903
## educat>SHS & <University                               -0.0158719  0.0901409 -0.1761  0.860257
## educat>=University                                     -0.0906379  0.0747426 -1.2127  0.225457
```

```
## employed                                                    -0.0016293  0.0616191 -0.0264  0.978909
## knall                                                       -0.0210005  0.1012145 -0.2075  0.835660
## csup                                                         0.1961328  0.0676767  2.8981  0.003811 **
## eqview                                                       0.2336148  0.1291575  1.8088  0.070697 .
## hmview                                                       0.2356547  0.1436531  1.6404  0.101132
## frame_right:left_psup                                       -0.4717272  0.1881627 -2.5070  0.012285 *
## frame_right:ifelse(left_psup == 0 & right_psup == 0, 1, 0) -0.1159597  0.1159179 -1.0004  0.317305
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
tmp2c_se <- sqrt(diag(vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_id)))
tmp2c_p <- pt(-abs(summary(tmp2)$coefficients[,1]/tmp2c_se), df = tmp2$df.residual)*2

tmpdt <-
  rbind(c(mfL03$coefficients[2],mfL03c_se[2],
          coefci(mfL03, vcov.=vcovCL(mfL03,cluster=na.omit(d[,c("start_id",all.vars(mfL03$terms))])$sta
          coefci(mfL03, vcov.=vcovCL(mfL03,cluster=na.omit(d[,c("start_id",all.vars(mfL03$terms))])$sta
        c(tmp1$coefficients[2],tmp1c_se[2],
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_
        c(tmp2$coefficients[2],tmp2c_se[2],
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_

tmpdt <- as.data.frame(tmpdt)
colnames(tmpdt) <- c("cf","se","lci","uci","lci90","uci90")

mfL03dt <- tmpdt
mfL03dt$type <- "Party"
mfL03dt$value <- c("Neither","Left\nParty","Right\nParty")
mfL03dt
```

```
##            cf         se        lci         uci      lci90       uci90  type        value
## 1 -0.17711670 0.07354015 -0.3213743 -0.03285907 -0.2981576 -0.05607583 Party      Neither
## 2 -0.53288424 0.16578683 -0.8580946 -0.20767392 -0.8057553 -0.26001314 Party  Left\nParty
## 3 -0.06115702 0.08926668 -0.2362641  0.11395005 -0.2080824  0.08576839 Party Right\nParty
```

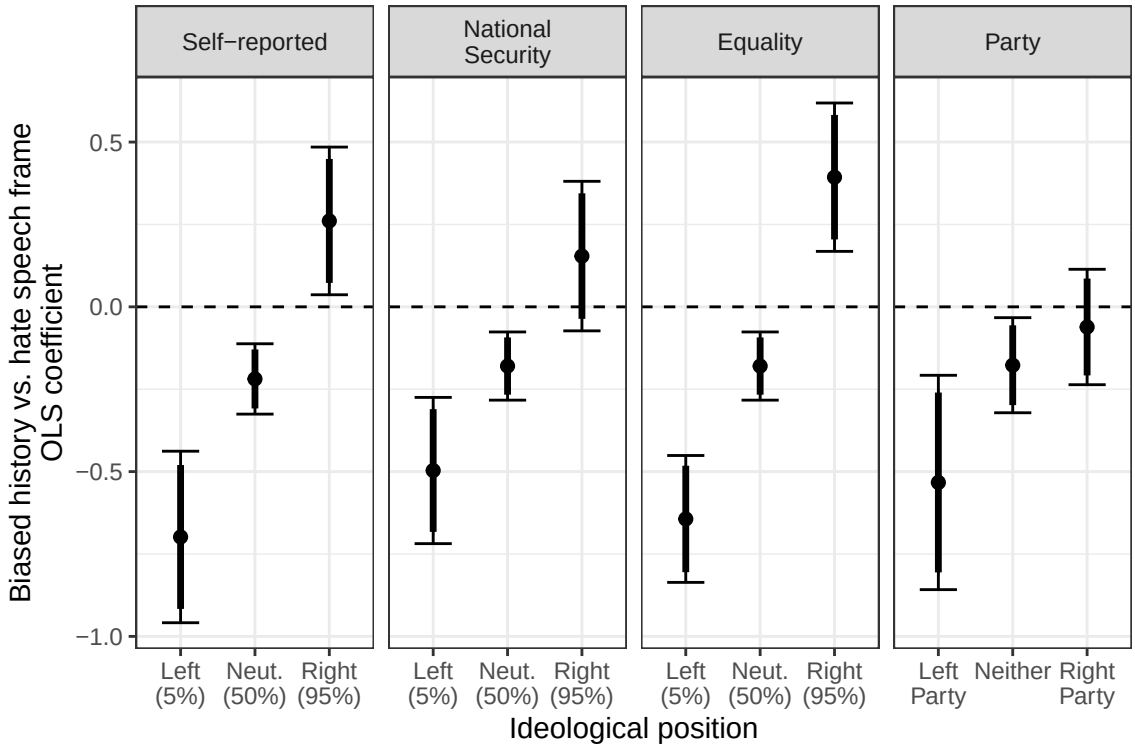
```
## Combine Data ##

mfLdt <- rbind(mfL01dt,mfL02adt,mfL02bdt,mfL03dt)
mfLdt$type <- factor(mfLdt$type, unique(mfLdt$type))
unique(mfLdt$value)
```

```
## [1] "Neut.\n(50%)" "Left\n(5%)"   "Right\n(95%)" "Neither"      "Left\nParty"  "Right\nParty"
```

```
mfLdt$value <- factor(mfLdt$value, c("Left\n(5%)", "Left\nParty",
                                     "Neut.\n(50%)", "Neither",
                                     "Right\n(95%)", "Right\nParty"))

write.csv(mfLdt, row.names = F, file = "../out/effect_frame_lm_v2.csv")

## Plot of Conditional Framing Effect ##

require(ggplot2)

p <- ggplot(mfLdt, aes(x=value,y=cf)) +
```

```
  geom_hline(aes(yintercept=0), linetype=2) +
  geom_errorbar(aes(ymin=lci,ymax=uci), width=0.5) +
  geom_errorbar(aes(ymin=lci90,ymax=uci90), width=0, size=1.2) +
  geom_point(size=2) +
  facet_grid(.~type, scales = "free_x") +
  labs(x="Ideological position", y="Biased history vs. hate speech frame\nOLS coefficient") +
  theme_bw()
```

```
p
```




```
ggsave("../out/effect_frame_lm_v2.pdf", width=6, height=4)
ggsave("../out/effect_frame_lm_v2.png", width=6, height=4)
```

Logit: Estimation

```
## Self-reported Ideology
mbfG01 <- glm(limitexp1>1 ~
                frame_right * ide_self,
              data=d, family=binomial("logit"))
summary(mbfG01)
```

Baseline (Table F.4)

```
##
## Call:
## glm(formula = limitexp1 > 1 ~ frame_right * ide_self, family = binomial("logit"),
##     data = d)
##
## Deviance Residuals:
##     Min       1Q   Median       3Q      Max
```

```
## -1.9574  -1.4155   0.7614   0.8092   1.4710
##
## Coefficients:
##                       Estimate Std. Error z value Pr(>|z|)
## (Intercept)            1.08995    0.08505   12.81  < 2e-16 ***
## frame_right           -0.54567    0.11562   -4.72 2.36e-06 ***
## ide_self              -0.01564    0.08229   -0.19 0.849249
## frame_right:ide_self   0.41972    0.11561    3.63 0.000283 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## (Dispersion parameter for binomial family taken to be 1)
##
##     Null deviance: 1824.4  on 1483  degrees of freedom
## Residual deviance: 1778.2  on 1480  degrees of freedom
##   (43 observations deleted due to missingness)
## AIC: 1786.2
##
## Number of Fisher Scoring iterations: 4
```

```
coeftest(mbfG01, vcov.=vcovCL(mbfG01,cluster=na.omit(d[,c("start_id",all.vars(mbfG01$terms))])$start_id
```

```
##
## z test of coefficients:
##
##                        Estimate Std. Error z value  Pr(>|z|)
## (Intercept)            1.089952   0.085158 12.7992 < 2.2e-16 ***
## frame_right           -0.545669   0.115547 -4.7225  2.33e-06 ***
## ide_self              -0.015641   0.086094 -0.1817  0.855840
## frame_right:ide_self   0.419716   0.118516  3.5414  0.000398 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
mbfG01c_se <- sqrt(diag(vcovCL(mbfG01,cluster=na.omit(d[,c("start_id",all.vars(mbfG01$terms))])$start_i
mbfG01c_p <- pnorm(-abs(summary(mbfG01)$coefficients[,1]/mbfG01c_se))*2

## Issue Ideology
mbfG02 <- glm(limitexp1>1 ~
              frame_right * ide_iss_1 +
              frame_right * ide_iss_2,
            data=d, family=binomial("logit"))
summary(mbfG02)
```

```
##
## Call:
## glm(formula = limitexp1 > 1 ~ frame_right * ide_iss_1 + frame_right *
##     ide_iss_2, family = binomial("logit"), data = d)
##
## Deviance Residuals:
##     Min       1Q   Median       3Q      Max
## -2.4723  -1.1615   0.7314   0.8079   1.6710
##
## Coefficients:
##                         Estimate Std. Error z value Pr(>|z|)
## (Intercept)             1.092334   0.084764  12.887  < 2e-16 ***
```

```
## frame_right           -0.414554   0.118851  -3.488 0.000487 ***
## ide_iss_1             -0.003993   0.075767  -0.053 0.957971
## ide_iss_2             -0.142095   0.075056  -1.893 0.058334 .
## frame_right:ide_iss_1  0.364586   0.110735   3.292 0.000993 ***
## frame_right:ide_iss_2  0.656670   0.108124   6.073 1.25e-09 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## (Dispersion parameter for binomial family taken to be 1)
##
##     Null deviance: 1824.4  on 1483  degrees of freedom
## Residual deviance: 1726.1  on 1478  degrees of freedom
##   (43 observations deleted due to missingness)
## AIC: 1738.1
##
## Number of Fisher Scoring iterations: 4
```

```
coeftest(mbfG02, vcov.=vcovCL(mbfG02,cluster=na.omit(d[,c("start_id",all.vars(mbfG02$terms))])$start_id
```

```
##
## z test of coefficients:
##
##                         Estimate Std. Error z value  Pr(>|z|)
## (Intercept)            1.0923341  0.0849197 12.8631 < 2.2e-16 ***
## frame_right           -0.4145542  0.1204206 -3.4426 0.0005762 ***
## ide_iss_1             -0.0039929  0.0782781 -0.0510 0.9593184
## ide_iss_2             -0.1420947  0.0766722 -1.8533 0.0638430 .
## frame_right:ide_iss_1  0.3645864  0.1147609  3.1769 0.0014885 **
## frame_right:ide_iss_2  0.6566701  0.1130896  5.8066 6.374e-09 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
mbfG02c_se <- sqrt(diag(vcovCL(mbfG02,cluster=na.omit(d[,c("start_id",all.vars(mbfG02$terms))])$start_i
mbfG02c_p <- pnorm(-abs(summary(mbfG02)$coefficients[,1]/mbfG02c_se))*2

## Party Support
mbfG03 <- glm(limitexp1>1 ~
              frame_right * left_psup +
              frame_right * right_psup,
            data=d, family=binomial("logit"))
summary(mbfG03)
```

```
##
## Call:
## glm(formula = limitexp1 > 1 ~ frame_right * left_psup + frame_right *
##     right_psup, family = binomial("logit"), data = d)
##
## Deviance Residuals:
##     Min       1Q   Median       3Q      Max
## -1.6973  -1.4535   0.7419   0.8339   1.3018
##
## Coefficients:
##                        Estimate Std. Error z value Pr(>|z|)
## (Intercept)             1.17007    0.12066   9.697  < 2e-16 ***
## frame_right            -0.54095    0.16261  -3.327 0.000879 ***
```

```
## left_psup              -0.46189    0.24452  -1.889 0.058894 .
## right_psup             -0.04115    0.18687  -0.220 0.825692
## frame_right:left_psup  -0.45492    0.33666  -1.351 0.176604
## frame_right:right_psup  0.28960    0.25441   1.138 0.254980
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## (Dispersion parameter for binomial family taken to be 1)
##
##     Null deviance: 1824.4  on 1483  degrees of freedom
## Residual deviance: 1777.6  on 1478  degrees of freedom
##   (43 observations deleted due to missingness)
## AIC: 1789.6
##
## Number of Fisher Scoring iterations: 4
```

```
coeftest(mbfG03, vcov.=vcovCL(mbfG03,cluster=na.omit(d[,c("start_id",all.vars(mbfG03$terms))])$start_id
```

```
##
## z test of coefficients:
##
##                         Estimate Std. Error z value  Pr(>|z|)
## (Intercept)             1.170071   0.120703  9.6938 < 2.2e-16 ***
## frame_right            -0.540946   0.162670 -3.3254 0.0008828 ***
## left_psup              -0.461886   0.244598 -1.8883 0.0589791 .
## right_psup             -0.041154   0.186930 -0.2202 0.8257499
## frame_right:left_psup  -0.454921   0.336772 -1.3508 0.1767498
## frame_right:right_psup  0.289605   0.254496  1.1380 0.2551405
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
mbfG03c_se <- sqrt(diag(vcovCL(mbfG03,cluster=na.omit(d[,c("start_id",all.vars(mbfG03$terms))])$start_i
mbfG03c_p <- pnorm(-abs(summary(mbfG03)$coefficients[,1]/mbfG03c_se))*2

screenreg(list(mbfG01,mbfG02,mbfG03), stars = c(0.1,0.05,0.01,0.001), symbol = "+",
          beside = T, digits = 3, single.row = T,
          override.se = list(mbfG01c_se,mbfG02c_se,mbfG03c_se),
          override.pvalues = list(mbfG01c_p,mbfG02c_p,mbfG03c_p),
          custom.model.names = c("Self-reported","Issue","Party"),
          custom.coef.map = vn)
```

```
##
## ==========================================================================================
##                                                Self-reported         Issue                 Party
## ------------------------------------------------------------------------------------------
## (Intercept)                                       1.090 (0.085) ***     1.092 (0.085) ***     1.170
## Biased history frame                             -0.546 (0.116) ***    -0.415 (0.120) ***    -0.541
## Biased history * ideology (self-reported)         0.420 (0.119) ***
## Biased history * ideology (national security)                            0.365 (0.115) **
## Biased history * ideology (equality)                                     0.657 (0.113) ***
## Biased history * left party                                                                  -0.455
## Biased history * right party                                                                  0.290
## Ideology (self-reported)                         -0.016 (0.086)
## Ideology (national security)                                            -0.004 (0.078)
## Ideology (equality)                                                     -0.142 (0.077) +
```

```
## Left party support                                                                                  -0.462
## Right party support                                                                                 -0.041
## ---------------------------------------------------------------------------------------------------------
## AIC                                                1786.224              1738.059              1789.598
## BIC                                                1807.434              1769.874              1821.413
## Log Likelihood                                     -889.112              -863.029              -888.799
## Deviance                                           1778.224              1726.059              1777.598
## Num. obs.                                          1484                  1484                  1484
## ===========================================================================================================
## *** p < 0.001; ** p < 0.01; * p < 0.05; + p < 0.1
```

```
texreg(list(mbfG01,mbfG02,mbfG03), stars = c(0.1,0.05,0.01,0.001), symbol = "\\dagger",
       beside = T, digits = 3, single.row = T,
       override.se = list(mbfG01c_se,mbfG02c_se,mbfG03c_se),
       override.pvalues = list(mbfG01c_p,mbfG02c_p,mbfG03c_p),
       custom.model.names = c("Self-reported","Issue","Party"),
       custom.coef.map = vn,
       custom.note = "%stars. Robust standard errors in parentheses.",
       use.packages = FALSE, booktabs = TRUE, dcolumn = TRUE, caption.above = TRUE, fontsize = "scripts
       caption = "The ideology-moderated framing treatment effect on support for regulating expression
       file = "../out/resout_frame_logit_base_v2.tex", label = "table:resout_frame_logit_base")
```

```
## Self-reported Ideology
mfG01 <- glm(limitexp1>1 ~
              frame_right * ide_self +
              fem + age + inccat + educat + employed + knall + csup + eqview + hmview,
            data=d, family=binomial("logit"))
summary(mfG01)
```

Extended (Table F.5)

```
##
## Call:
## glm(formula = limitexp1 > 1 ~ frame_right * ide_self + fem +
##     age + inccat + educat + employed + knall + csup + eqview +
##     hmview, family = binomial("logit"), data = d)
##
## Deviance Residuals:
##     Min       1Q   Median       3Q      Max
## -2.0453  -1.2447   0.7235   0.8637   1.5652
##
## Coefficients:
##                           Estimate Std. Error z value Pr(>|z|)
## (Intercept)               0.051453   0.376348   0.137 0.891256
## frame_right              -0.543600   0.118391  -4.592  4.4e-06 ***
## ide_self                 -0.038977   0.083505  -0.467 0.640666
## fem                       0.477532   0.126769   3.767 0.000165 ***
## age                       0.008944   0.005731   1.561 0.118587
## inccatMiddle (>=4m,<8m)  -0.085162   0.138613  -0.614 0.538958
## inccatHigh (>=8m)        -0.078704   0.185874  -0.423 0.671983
## inccatMissing             0.354843   0.202801   1.750 0.080168 .
## educat>SHS & <University -0.001114   0.198210  -0.006 0.995517
## educat>=University       -0.076059   0.163948  -0.464 0.642704
## employed                  0.084879   0.138368   0.613 0.539594
```

```
## knall                     0.012119   0.222066   0.055 0.956477
## csup                      0.347964   0.136541   2.548 0.010821 *
## eqview                    0.424926   0.262190   1.621 0.105086
## hmview                    0.225266   0.290340   0.776 0.437826
## frame_right:ide_self      0.421187   0.116494   3.616 0.000300 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## (Dispersion parameter for binomial family taken to be 1)
##
##     Null deviance: 1792.7  on 1453  degrees of freedom
## Residual deviance: 1714.5  on 1438  degrees of freedom
##   (73 observations deleted due to missingness)
## AIC: 1746.5
##
## Number of Fisher Scoring iterations: 4
```

```
coeftest(mfG01, vcov.=vcovCL(mfG01,cluster=na.omit(d[,c("start_id",all.vars(mfG01$terms))])$start_id))
```

```
##
## z test of coefficients:
##
##                             Estimate Std. Error z value  Pr(>|z|)
## (Intercept)                0.0514526  0.3757655  0.1369 0.8910882
## frame_right               -0.5436004  0.1174366 -4.6289 3.676e-06 ***
## ide_self                  -0.0389772  0.0834958 -0.4668 0.6406309
## fem                        0.4775315  0.1267684  3.7670 0.0001652 ***
## age                        0.0089439  0.0057473  1.5562 0.1196618
## inccatMiddle (>=4m,<8m)   -0.0851623  0.1382753 -0.6159 0.5379676
## inccatHigh (>=8m)         -0.0787040  0.1883458 -0.4179 0.6760422
## inccatMissing              0.3548430  0.2031727  1.7465 0.0807226 .
## educat>SHS & <University  -0.0011136  0.1962017 -0.0057 0.9954713
## educat>=University        -0.0760591  0.1646786 -0.4619 0.6441788
## employed                   0.0848790  0.1370643  0.6193 0.5357424
## knall                      0.0121194  0.2199666  0.0551 0.9560616
## csup                       0.3479639  0.1364376  2.5504 0.0107614 *
## eqview                     0.4249258  0.2691024  1.5790 0.1143248
## hmview                     0.2252662  0.2874039  0.7838 0.4331593
## frame_right:ide_self       0.4211867  0.1171899  3.5941 0.0003256 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
mfG01c_se <- sqrt(diag(vcovCL(mfG01,cluster=na.omit(d[,c("start_id",all.vars(mfG01$terms))])$start_id))
mfG01c_p <- pnorm(-abs(summary(mfG01)$coefficients[,1]/mfG01c_se))*2

## Issue Ideology
mfG02 <- glm(limitexp1>1 ~
               frame_right * ide_iss_1 +
               frame_right * ide_iss_2 +
               fem + age + inccat + educat + employed + knall + csup + eqview + hmview,
             data=d, family=binomial("logit"))
summary(mfG02)
```

```
##
## Call:
```

```
## glm(formula = limitexp1 > 1 ~ frame_right * ide_iss_1 + frame_right *
##     ide_iss_2 + fem + age + inccat + educat + employed + knall +
##     csup + eqview + hmview, family = binomial("logit"), data = d)
##
## Deviance Residuals:
##     Min       1Q   Median       3Q      Max
## -2.7006  -1.1510   0.6668   0.8522   2.0377
##
## Coefficients:
##                              Estimate Std. Error z value Pr(>|z|)
## (Intercept)                 0.0842011  0.3856546   0.218 0.827170
## frame_right                -0.4256467  0.1217767  -3.495 0.000474 ***
## ide_iss_1                   0.0186426  0.0810015   0.230 0.817974
## ide_iss_2                  -0.1095488  0.0792087  -1.383 0.166653
## fem                         0.6398695  0.1348977   4.743 2.10e-06 ***
## age                         0.0052225  0.0060211   0.867 0.385736
## inccatMiddle (>=4m,<8m)    -0.1271068  0.1416619  -0.897 0.369583
## inccatHigh (>=8m)          -0.1002965  0.1902801  -0.527 0.598125
## inccatMissing               0.3753812  0.2066888   1.816 0.069345 .
## educat>SHS & <University    0.0245412  0.2013284   0.122 0.902981
## educat>=University         -0.0001977  0.1675059  -0.001 0.999059
## employed                    0.0977677  0.1413508   0.692 0.489146
## knall                       0.0455674  0.2272973   0.200 0.841109
## csup                        0.2356474  0.1436937   1.640 0.101020
## eqview                      0.4240309  0.2672519   1.587 0.112596
## hmview                      0.2492267  0.3039072   0.820 0.412173
## frame_right:ide_iss_1       0.3457432  0.1126362   3.070 0.002144 **
## frame_right:ide_iss_2       0.6880476  0.1112177   6.186 6.15e-10 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## (Dispersion parameter for binomial family taken to be 1)
##
##     Null deviance: 1792.7  on 1453  degrees of freedom
## Residual deviance: 1657.9  on 1436  degrees of freedom
##   (73 observations deleted due to missingness)
## AIC: 1693.9
##
## Number of Fisher Scoring iterations: 4
```

```
coeftest(mfG02, vcov.=vcovCL(mfG02,cluster=na.omit(d[,c("start_id",all.vars(mfG02$terms))])$start_id))
```

```
##
## z test of coefficients:
##
##                              Estimate  Std. Error z value  Pr(>|z|)
## (Intercept)                 0.08420113  0.38272509  0.2200 0.8258679
## frame_right                -0.42564674  0.12287164 -3.4642 0.0005319 ***
## ide_iss_1                   0.01864264  0.08403069  0.2219 0.8244266
## ide_iss_2                  -0.10954877  0.08099241 -1.3526 0.1761896
## fem                         0.63986949  0.13542464  4.7249 2.302e-06 ***
## age                         0.00522253  0.00604254  0.8643 0.3874263
## inccatMiddle (>=4m,<8m)    -0.12710678  0.14286191 -0.8897 0.3736174
## inccatHigh (>=8m)          -0.10029646  0.19187807 -0.5227 0.6011765
## inccatMissing               0.37538122  0.20141527  1.8637 0.0623614 .
```

```
## educat>SHS & <University  0.02454116  0.19857301  0.1236 0.9016418
## educat>=University       -0.00019765  0.16597855 -0.0012 0.9990499
## employed                  0.09776769  0.14094639  0.6937 0.4879007
## knall                     0.04556744  0.22225240  0.2050 0.8375521
## csup                      0.23564735  0.14342833  1.6430 0.1003907
## eqview                    0.42403085  0.27847839  1.5227 0.1278411
## hmview                    0.24922668  0.30785670  0.8096 0.4181964
## frame_right:ide_iss_1     0.34574323  0.11697304  2.9558 0.0031191 **
## frame_right:ide_iss_2     0.68804760  0.11722123  5.8697 4.367e-09 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
mfG02c_se <- sqrt(diag(vcovCL(mfG02,cluster=na.omit(d[,c("start_id",all.vars(mfG02$terms))])$start_id))
mfG02c_p <- pnorm(-abs(summary(mfG02)$coefficients[,1]/mfG02c_se))*2

## Party Support
mfG03 <- glm(limitexp1>1 ~
             frame_right * left_psup +
             frame_right * right_psup +
             fem + age + inccat + educat + employed + knall + csup + eqview + hmview,
           data=d, family=binomial("logit"))
summary(mfG03)
```

```
##
## Call:
## glm(formula = limitexp1 > 1 ~ frame_right * left_psup + frame_right *
##     right_psup + fem + age + inccat + educat + employed + knall +
##     csup + eqview + hmview, family = binomial("logit"), data = d)
##
## Deviance Residuals:
##     Min       1Q   Median       3Q      Max
## -2.0526  -1.2897   0.7236   0.8600   1.6097
##
## Coefficients:
##                            Estimate Std. Error z value Pr(>|z|)
## (Intercept)                0.098135   0.384085   0.256 0.798334
## frame_right               -0.513901   0.166586  -3.085 0.002036 **
## left_psup                 -0.407587   0.250889  -1.625 0.104254
## right_psup                -0.133177   0.208173  -0.640 0.522341
## fem                        0.448709   0.126586   3.545 0.000393 ***
## age                        0.011024   0.005755   1.915 0.055447 .
## inccatMiddle (>=4m,<8m)   -0.078994   0.138624  -0.570 0.568780
## inccatHigh (>=8m)         -0.078272   0.185972  -0.421 0.673840
## inccatMissing              0.332165   0.204035   1.628 0.103530
## educat>SHS & <University -0.024546   0.198322  -0.124 0.901499
## educat>=University        -0.097433   0.164211  -0.593 0.552954
## employed                   0.069687   0.138806   0.502 0.615635
## knall                      0.114205   0.222892   0.512 0.608387
## csup                       0.349128   0.152342   2.292 0.021921 *
## eqview                     0.427185   0.261423   1.634 0.102243
## hmview                     0.176017   0.291140   0.605 0.545458
## frame_right:left_psup     -0.518806   0.344323  -1.507 0.131877
## frame_right:right_psup     0.251603   0.260228   0.967 0.333615
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
##
## (Dispersion parameter for binomial family taken to be 1)
##
##     Null deviance: 1792.7  on 1453  degrees of freedom
## Residual deviance: 1715.6  on 1436  degrees of freedom
##   (73 observations deleted due to missingness)
## AIC: 1751.6
##
## Number of Fisher Scoring iterations: 4
```

```
coeftest(mfG03, vcov.=vcovCL(mfG03,cluster=na.omit(d[,c("start_id",all.vars(mfG03$terms))])$start_id))
```

```
##
## z test of coefficients:
##
##                             Estimate Std. Error z value  Pr(>|z|)
## (Intercept)                0.0981353  0.3846538  0.2551 0.7986256
## frame_right               -0.5139008  0.1651695 -3.1114 0.0018623 **
## left_psup                 -0.4075872  0.2478649 -1.6444 0.1000952
## right_psup                -0.1331765  0.2050816 -0.6494 0.5160907
## fem                        0.4487091  0.1268855  3.5363 0.0004057 ***
## age                        0.0110235  0.0058178  1.8948 0.0581181 .
## inccatMiddle (>=4m,<8m)   -0.0789945  0.1383069 -0.5712 0.5678957
## inccatHigh (>=8m)         -0.0782723  0.1889918 -0.4142 0.6787588
## inccatMissing              0.3321647  0.2025084  1.6403 0.1009530
## educat>SHS & <University -0.0245460  0.1978778 -0.1240 0.9012788
## educat>=University        -0.0974328  0.1646104 -0.5919 0.5539181
## employed                   0.0696869  0.1391691  0.5007 0.6165572
## knall                      0.1142048  0.2214020  0.5158 0.6059763
## csup                       0.3491280  0.1514366  2.3054 0.0211420 *
## eqview                     0.4271850  0.2710011  1.5763 0.1149517
## hmview                     0.1760171  0.2884983  0.6101 0.5417857
## frame_right:left_psup     -0.5188063  0.3447330 -1.5050 0.1323367
## frame_right:right_psup     0.2516034  0.2607418  0.9650 0.3345687
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
mfG03c_se <- sqrt(diag(vcovCL(mfG03,cluster=na.omit(d[,c("start_id",all.vars(mfG03$terms))])$start_id)))
mfG03c_p <- pnorm(-abs(summary(mfG03)$coefficients[,1]/mfG03c_se))*2

screenreg(list(mfG01,mfG02,mfG03), stars = c(0.1,0.05,0.01,0.001), symbol = "+",
          beside = T, digits = 3, single.row = T,
          override.se = list(mfG01c_se,mfG02c_se,mfG03c_se),
          override.pvalues = list(mfG01c_p,mfG02c_p,mfG03c_p),
          custom.model.names = c("Self-reported","Issue","Party"),
          custom.coef.map = vn)
```

```
##
## ==================================================================================================
##                                                Self-reported         Issue                  Party
## ---------------------------------------------------------------------------------------------------
## (Intercept)                                       0.051 (0.376)         0.084 (0.383)         0.098
## Biased history frame                             -0.544 (0.117) ***    -0.426 (0.123) ***    -0.514
## Biased history * ideology (self-reported)         0.421 (0.117) ***
## Biased history * ideology (national security)                           0.346 (0.117) **
```

```
## Biased history * ideology (equality)                                  0.688 (0.117) ***
## Biased history * left party                                                          -0.519
## Biased history * right party                                                          0.252
## Ideology (self-reported)                          -0.039 (0.083)
## Ideology (national security)                                          0.019 (0.084)
## Ideology (equality)                                                  -0.110 (0.081)
## Left party support                                                                   -0.408
## Right party support                                                                  -0.133
## Gender (female)                                    0.478 (0.127) ***  0.640 (0.135) ***  0.449
## Age                                                0.009 (0.006)      0.005 (0.006)      0.011
## Income (middle)                                   -0.085 (0.138)     -0.127 (0.143)     -0.079
## Income (high)                                     -0.079 (0.188)     -0.100 (0.192)     -0.078
## Income (missing)                                   0.355 (0.203) +    0.375 (0.201) +    0.332
## Education (junior college/tech. school)           -0.001 (0.196)      0.025 (0.199)     -0.025
## Education (university)                            -0.076 (0.165)     -0.000 (0.166)     -0.097
## Employed                                           0.085 (0.137)      0.098 (0.141)      0.070
## Political knowledge (0-1)                          0.012 (0.220)      0.046 (0.222)      0.114
## Approve Abe Cabinet                                0.348 (0.136) *    0.236 (0.143)      0.349
## Japanese society is equal (0-1)                    0.425 (0.269)      0.424 (0.278)      0.427
## Japanese society is homogeneous (0-1)              0.225 (0.287)      0.249 (0.308)      0.176
## ------------------------------------------------------------------------------------------------
## AIC                                             1746.514           1693.924           1751.555
## BIC                                             1831.027           1789.002           1846.633
## Log Likelihood                                  -857.257           -828.962           -857.778
## Deviance                                        1714.514           1657.924           1715.555
## Num. obs.                                       1454               1454               1454
## ================================================================================================
## *** p < 0.001; ** p < 0.01; * p < 0.05; + p < 0.1
```

```
texreg(list(mfG01,mfG02,mfG03), stars = c(0.1,0.05,0.01,0.001), symbol = "\\dagger",
       beside = T, digits = 3, single.row = T,
       override.se = list(mfG01c_se,mfG02c_se,mfG03c_se),
       override.pvalues = list(mfG01c_p,mfG02c_p,mfG03c_p),
       custom.model.names = c("Self-reported","Issue","Party"),
       custom.coef.map = vn,
       custom.note = "%stars. Robust standard errors in parentheses.",
       use.packages = FALSE, booktabs = TRUE, dcolumn = TRUE, caption.above = TRUE, fontsize = "scriptsi
       caption = "The ideology-moderated framing treatment effect on support for regulating expression i
       file = "../out/resout_frame_logit_v2.tex", label = "table:resout_frame_logit")
```

Logit: Conditional Effect Sizes

```
quantile(d$ide_self, probs = c(0.05,0.5,0.95))
```

Baseline Models (Figure F.2)

```
##  5% 50% 95%
##  -2   0   2
```

```
## Self-reported Ideology ##

tmp1 <- glm(limitexp1>1 ~
              frame_right * I(ide_self+2),
            data=d, family=binomial("logit"))
summary(tmp1)
```

```
##
## Call:
## glm(formula = limitexp1 > 1 ~ frame_right * I(ide_self + 2),
##     family = binomial("logit"), data = d)
##
## Deviance Residuals:
##     Min       1Q   Median       3Q      Max
## -1.9574  -1.4155   0.7614   0.8092   1.4710
##
## Coefficients:
##                             Estimate Std. Error z value Pr(>|z|)
## (Intercept)                  1.12123    0.19481   5.755 8.64e-09 ***
## frame_right                 -1.38510    0.26812  -5.166 2.39e-07 ***
## I(ide_self + 2)             -0.01564    0.08229  -0.190 0.849249
## frame_right:I(ide_self + 2)  0.41972    0.11561   3.630 0.000283 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## (Dispersion parameter for binomial family taken to be 1)
##
##     Null deviance: 1824.4  on 1483  degrees of freedom
## Residual deviance: 1778.2  on 1480  degrees of freedom
##   (43 observations deleted due to missingness)
## AIC: 1786.2
##
## Number of Fisher Scoring iterations: 4
```

```
coeftest(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_id))
```

```
##
## z test of coefficients:
##
##                              Estimate Std. Error z value  Pr(>|z|)
## (Intercept)                  1.121233   0.202258  5.5436 2.963e-08 ***
## frame_right                 -1.385101   0.271823 -5.0956 3.476e-07 ***
## I(ide_self + 2)             -0.015641   0.086094 -0.1817  0.855840
## frame_right:I(ide_self + 2)  0.419716   0.118516  3.5414  0.000398 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
tmp1c_se <- sqrt(diag(vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_id)))
tmp1c_p <- pnorm(-abs(summary(tmp1)$coefficients[,1]/tmp1c_se))*2
tmp2 <- glm(limitexp1>1 ~
              frame_right * I(ide_self-2),
            data=d, family=binomial("logit"))
summary(tmp2)
```

```
##
## Call:
## glm(formula = limitexp1 > 1 ~ frame_right * I(ide_self - 2),
##     family = binomial("logit"), data = d)
##
## Deviance Residuals:
##     Min       1Q   Median       3Q      Max
## -1.9574  -1.4155   0.7614   0.8092   1.4710
```

```
##
## Coefficients:
##                             Estimate Std. Error z value Pr(>|z|)
## (Intercept)                  1.05867    0.17517   6.044 1.51e-09 ***
## frame_right                  0.29376    0.24854   1.182 0.237225
## I(ide_self - 2)             -0.01564    0.08229  -0.190 0.849249
## frame_right:I(ide_self - 2)  0.41972    0.11561   3.630 0.000283 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## (Dispersion parameter for binomial family taken to be 1)
##
##     Null deviance: 1824.4  on 1483  degrees of freedom
## Residual deviance: 1778.2  on 1480  degrees of freedom
##   (43 observations deleted due to missingness)
## AIC: 1786.2
##
## Number of Fisher Scoring iterations: 4
```

```
coeftest(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_id))
```

```
##
## z test of coefficients:
##
##                              Estimate Std. Error z value  Pr(>|z|)
## (Intercept)                  1.058670   0.181362  5.8373 5.305e-09 ***
## frame_right                  0.293762   0.255310  1.1506  0.249892
## I(ide_self - 2)             -0.015641   0.086094 -0.1817  0.855840
## frame_right:I(ide_self - 2)  0.419716   0.118516  3.5414  0.000398 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
tmp2c_se <- sqrt(diag(vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_id)))
tmp2c_p <- pnorm(-abs(summary(tmp2)$coefficients[,1]/tmp2c_se))*2

tmpdt <-
  rbind(c(mbfG01$coefficients[2],mbfG01c_se[2],
          coefci(mbfG01, vcov.=vcovCL(mbfG01,cluster=na.omit(d[,c("start_id",all.vars(mbfG01$terms))])$s
          coefci(mbfG01, vcov.=vcovCL(mbfG01,cluster=na.omit(d[,c("start_id",all.vars(mbfG01$terms))])$s
        c(tmp1$coefficients[2],tmp1c_se[2],
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_
        c(tmp2$coefficients[2],tmp2c_se[2],
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_

tmpdt <- as.data.frame(tmpdt)
colnames(tmpdt) <- c("cf","se","lci","uci","lci90","uci90")

mbfG01dt <- tmpdt
mbfG01dt$type <- "Self-reported"
mbfG01dt$value <- c("Neut.\n(50%)","Left\n(5%)","Right\n(95%)")
mbfG01dt
```

```
##           cf        se        lci        uci      lci90      uci90          type        value
## 1 -0.5456694 0.1155468 -0.7721370 -0.3192018 -0.7357270 -0.3556118 Self-reported Neut.\n(50%)
```

```
## 2 -1.3851009 0.2718226 -1.9178635 -0.8523383 -1.8322093 -0.9379924 Self-reported   Left\n(5%)
## 3  0.2937620 0.2553096 -0.2066356  0.7941597 -0.1261849  0.7137090 Self-reported Right\n(95%)
```

```
## Issue Ideology (National Security) ##

quantile(d$ide_iss_1, probs = c(0.05,0.5,0.95))
```

```
##          5%         50%         95%
## -1.89504357 -0.03456401  2.02020691
```

```
tmp1 <- glm(limitexp1>1 ~
             frame_right * I(ide_iss_1+1.9) +
             frame_right * ide_iss_2,
           data=d, family=binomial("logit"))
summary(tmp1)
```

```
##
## Call:
## glm(formula = limitexp1 > 1 ~ frame_right * I(ide_iss_1 + 1.9) +
##     frame_right * ide_iss_2, family = binomial("logit"), data = d)
##
## Deviance Residuals:
##     Min       1Q   Median       3Q      Max
## -2.4723  -1.1615   0.7314   0.8079   1.6710
##
## Coefficients:
##                                 Estimate Std. Error z value Pr(>|z|)
## (Intercept)                     1.099921   0.169551   6.487 8.74e-11 ***
## frame_right                    -1.107268   0.236387  -4.684 2.81e-06 ***
## I(ide_iss_1 + 1.9)             -0.003993   0.075767  -0.053 0.957971
## ide_iss_2                      -0.142095   0.075056  -1.893 0.058334 .
## frame_right:I(ide_iss_1 + 1.9)  0.364586   0.110735   3.292 0.000993 ***
## frame_right:ide_iss_2           0.656670   0.108124   6.073 1.25e-09 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## (Dispersion parameter for binomial family taken to be 1)
##
##     Null deviance: 1824.4  on 1483  degrees of freedom
## Residual deviance: 1726.1  on 1478  degrees of freedom
##   (43 observations deleted due to missingness)
## AIC: 1738.1
##
## Number of Fisher Scoring iterations: 4
```

```
coeftest(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_id))
```

```
##
## z test of coefficients:
##
##                                  Estimate Std. Error z value  Pr(>|z|)
## (Intercept)                     1.0999206  0.1754185  6.2703 3.604e-10 ***
## frame_right                    -1.1072684  0.2392902 -4.6273 3.705e-06 ***
## I(ide_iss_1 + 1.9)             -0.0039929  0.0782781 -0.0510  0.959318
## ide_iss_2                      -0.1420947  0.0766722 -1.8533  0.063843 .
## frame_right:I(ide_iss_1 + 1.9)  0.3645864  0.1147609  3.1769  0.001488 **
```

```
## frame_right:ide_iss_2           0.6566701  0.1130896  5.8066 6.374e-09 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
tmp1c_se <- sqrt(diag(vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_id)))
tmp1c_p <- pnorm(-abs(summary(tmp1)$coefficients[,1]/tmp1c_se))*2
tmp2 <- glm(limitexp1>1 ~
             frame_right * I(ide_iss_1-2) +
             frame_right * ide_iss_2,
           data=d, family=binomial("logit"))
summary(tmp2)
```

```
##
## Call:
## glm(formula = limitexp1 > 1 ~ frame_right * I(ide_iss_1 - 2) +
##     frame_right * ide_iss_2, family = binomial("logit"), data = d)
##
## Deviance Residuals:
##     Min       1Q   Median       3Q      Max
## -2.4723  -1.1615   0.7314   0.8079   1.6710
##
## Coefficients:
##                               Estimate Std. Error z value Pr(>|z|)
## (Intercept)                   1.084348   0.171068   6.339 2.32e-10 ***
## frame_right                   0.314619   0.256555   1.226 0.220079
## I(ide_iss_1 - 2)             -0.003993   0.075767  -0.053 0.957971
## ide_iss_2                    -0.142095   0.075056  -1.893 0.058334 .
## frame_right:I(ide_iss_1 - 2)  0.364586   0.110735   3.292 0.000993 ***
## frame_right:ide_iss_2         0.656670   0.108124   6.073 1.25e-09 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## (Dispersion parameter for binomial family taken to be 1)
##
##     Null deviance: 1824.4  on 1483  degrees of freedom
## Residual deviance: 1726.1  on 1478  degrees of freedom
##   (43 observations deleted due to missingness)
## AIC: 1738.1
##
## Number of Fisher Scoring iterations: 4
```

```
coeftest(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_id))
```

```
##
## z test of coefficients:
##
##                               Estimate Std. Error z value  Pr(>|z|)
## (Intercept)                  1.0843484  0.1737965  6.2392 4.399e-10 ***
## frame_right                  0.3146186  0.2687350  1.1707  0.241704
## I(ide_iss_1 - 2)            -0.0039929  0.0782781 -0.0510  0.959318
## ide_iss_2                   -0.1420947  0.0766722 -1.8533  0.063843 .
## frame_right:I(ide_iss_1 - 2)  0.3645864  0.1147609  3.1769  0.001488 **
## frame_right:ide_iss_2         0.6566701  0.1130896  5.8066 6.374e-09 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
tmp2c_se <- sqrt(diag(vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_id)))
tmp2c_p <- pnorm(-abs(summary(tmp2)$coefficients[,1]/tmp2c_se))*2

tmpdt <-
  rbind(c(mbfG02$coefficients[2],mbfG02c_se[2],
          coefci(mbfG02, vcov.=vcovCL(mbfG02,cluster=na.omit(d[,c("start_id",all.vars(mbfG02$terms))])$s
          coefci(mbfG02, vcov.=vcovCL(mbfG02,cluster=na.omit(d[,c("start_id",all.vars(mbfG02$terms))])$s
        c(tmp1$coefficients[2],tmp1c_se[2],
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_
        c(tmp2$coefficients[2],tmp2c_se[2],
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_

tmpdt <- as.data.frame(tmpdt)
colnames(tmpdt) <- c("cf","se","lci","uci","lci90","uci90")

mbfG02adt <- tmpdt
mbfG02adt$type <- "National\nSecurity"
mbfG02adt$value <- c("Neut.\n(50%)","Left\n(5%)","Right\n(95%)")
mbfG02adt
```

```
##           cf        se        lci        uci      lci90      uci90               type        value
## 1 -0.4145542 0.1204206 -0.6505742 -0.1785343 -0.6126284 -0.2164801 National\nSecurity Neut.\n(50%)
## 2 -1.1072684 0.2392902 -1.5762685 -0.6382683 -1.5008657 -0.7136711 National\nSecurity   Left\n(5%)
## 3  0.3146186 0.2687350 -0.2120924  0.8413295 -0.1274112  0.7566483 National\nSecurity Right\n(95%)
```

```
## Issue Ideology (Equality) ##

quantile(d$ide_iss_2, probs = c(0.05,0.5,0.95))
```

```
##          5%         50%         95%
## -1.72973639 -0.01950903  2.06652041
```

```
tmp1 <- glm(limitexp1>1 ~
             frame_right * ide_iss_1 +
             frame_right * I(ide_iss_2+1.7),
           data=d, family=binomial("logit"))
summary(tmp1)
```

```
##
## Call:
## glm(formula = limitexp1 > 1 ~ frame_right * ide_iss_1 + frame_right *
##     I(ide_iss_2 + 1.7), family = binomial("logit"), data = d)
##
## Deviance Residuals:
##     Min       1Q   Median       3Q      Max
## -2.4723  -1.1615   0.7314   0.8079   1.6710
##
## Coefficients:
##                                Estimate Std. Error z value Pr(>|z|)
## (Intercept)                    1.333895   0.157387   8.475  < 2e-16 ***
## frame_right                   -1.530893   0.211239  -7.247 4.25e-13 ***
## ide_iss_1                     -0.003993   0.075767  -0.053 0.957971
## I(ide_iss_2 + 1.7)            -0.142095   0.075056  -1.893 0.058334 .
```

```
## frame_right:ide_iss_1           0.364586   0.110735   3.292 0.000993 ***
## frame_right:I(ide_iss_2 + 1.7)  0.656670   0.108124   6.073 1.25e-09 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## (Dispersion parameter for binomial family taken to be 1)
##
##     Null deviance: 1824.4  on 1483  degrees of freedom
## Residual deviance: 1726.1  on 1478  degrees of freedom
##   (43 observations deleted due to missingness)
## AIC: 1738.1
##
## Number of Fisher Scoring iterations: 4
```

```
coeftest(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_id))
```

```
##
## z test of coefficients:
##
##                                 Estimate Std. Error z value  Pr(>|z|)
## (Intercept)                    1.3338951  0.1608850  8.2910 < 2.2e-16 ***
## frame_right                   -1.5308934  0.2148835 -7.1243 1.046e-12 ***
## ide_iss_1                     -0.0039929  0.0782781 -0.0510  0.959318
## I(ide_iss_2 + 1.7)            -0.1420947  0.0766722 -1.8533  0.063843 .
## frame_right:ide_iss_1          0.3645864  0.1147609  3.1769  0.001488 **
## frame_right:I(ide_iss_2 + 1.7)  0.6566701  0.1130896  5.8066 6.374e-09 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
tmp1c_se <- sqrt(diag(vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_id)))
tmp1c_p <- pnorm(-abs(summary(tmp1)$coefficients[,1]/tmp1c_se))*2
tmp2 <- glm(limitexp1>1 ~
             frame_right * ide_iss_1 +
             frame_right * I(ide_iss_2-2.1),
           data=d, family=binomial("logit"))
summary(tmp2)
```

```
##
## Call:
## glm(formula = limitexp1 > 1 ~ frame_right * ide_iss_1 + frame_right *
##     I(ide_iss_2 - 2.1), family = binomial("logit"), data = d)
##
## Deviance Residuals:
##     Min       1Q   Median       3Q      Max
## -2.4723  -1.1615   0.7314   0.8079   1.6710
##
## Coefficients:
##                                 Estimate Std. Error z value Pr(>|z|)
## (Intercept)                     0.793935   0.174402   4.552 5.31e-06 ***
## frame_right                     0.964453   0.264097   3.652 0.000260 ***
## ide_iss_1                      -0.003993   0.075767  -0.053 0.957971
## I(ide_iss_2 - 2.1)             -0.142095   0.075056  -1.893 0.058334 .
## frame_right:ide_iss_1           0.364586   0.110735   3.292 0.000993 ***
## frame_right:I(ide_iss_2 - 2.1)  0.656670   0.108124   6.073 1.25e-09 ***
## ---
```

```
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## (Dispersion parameter for binomial family taken to be 1)
##
##     Null deviance: 1824.4  on 1483  degrees of freedom
## Residual deviance: 1726.1  on 1478  degrees of freedom
##   (43 observations deleted due to missingness)
## AIC: 1738.1
##
## Number of Fisher Scoring iterations: 4
```

```
coeftest(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_id))
```

```
##
## z test of coefficients:
##
##                                 Estimate Std. Error z value  Pr(>|z|)
## (Intercept)                    0.7939353  0.1762289  4.5051 6.633e-06 ***
## frame_right                    0.9644530  0.2782677  3.4659 0.0005284 ***
## ide_iss_1                     -0.0039929  0.0782781 -0.0510 0.9593184
## I(ide_iss_2 - 2.1)            -0.1420947  0.0766722 -1.8533 0.0638430 .
## frame_right:ide_iss_1          0.3645864  0.1147609  3.1769 0.0014885 **
## frame_right:I(ide_iss_2 - 2.1) 0.6566701  0.1130896  5.8066 6.374e-09 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
tmp2c_se <- sqrt(diag(vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_id)))
tmp2c_p <- pnorm(-abs(summary(tmp2)$coefficients[,1]/tmp2c_se))*2

tmpdt <-
  rbind(c(mbfG02$coefficients[2],mbfG02c_se[2],
          coefci(mbfG02, vcov.=vcovCL(mbfG02,cluster=na.omit(d[,c("start_id",all.vars(mbfG02$terms))])$s
          coefci(mbfG02, vcov.=vcovCL(mbfG02,cluster=na.omit(d[,c("start_id",all.vars(mbfG02$terms))])$s
        c(tmp1$coefficients[2],tmp1c_se[2],
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_i
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_i
        c(tmp2$coefficients[2],tmp2c_se[2],
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_i
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_i

tmpdt <- as.data.frame(tmpdt)
colnames(tmpdt) <- c("cf","se","lci","uci","lci90","uci90")

mbfG02bdt <- tmpdt
mbfG02bdt$type <- "Equality"
mbfG02bdt$value <- c("Neut.\n(50%)","Left\n(5%)","Right\n(95%)")
mbfG02bdt
```

```
##           cf        se        lci        uci      lci90      uci90     type        value
## 1 -0.4145542 0.1204206 -0.6505742 -0.1785343 -0.6126284 -0.2164801 Equality Neut.\n(50%)
## 2 -1.5308934 0.2148835 -1.9520573 -1.1097295 -1.8843453 -1.1774415 Equality   Left\n(5%)
## 3  0.9644530 0.2782677  0.4190583  1.5098476  0.5067434  1.4221626 Equality Right\n(95%)
```

```
## Party Support Ideology ##

tmp1 <- glm(limitexp1>1 ~
```

```
            frame_right * ifelse(left_psup==0&right_psup==0,1,0) +
            frame_right * right_psup,
          data=d, family=binomial("logit"))
summary(tmp1)
```

```
##
## Call:
## glm(formula = limitexp1 > 1 ~ frame_right * ifelse(left_psup ==
##     0 & right_psup == 0, 1, 0) + frame_right * right_psup, family = binomial("logit"),
##     data = d)
##
## Deviance Residuals:
##     Min       1Q   Median       3Q      Max
## -1.6973  -1.4535   0.7419   0.8339   1.3018
##
## Coefficients:
##                                                          Estimate Std. Error z value Pr(>|z|)
## (Intercept)                                                0.7082     0.2127   3.330 0.000869 ***
## frame_right                                               -0.9959     0.2948  -3.378 0.000729 ***
## ifelse(left_psup == 0 & right_psup == 0, 1, 0)             0.4619     0.2445   1.889 0.058894 .
## right_psup                                                 0.4207     0.2561   1.643 0.100417
## frame_right:ifelse(left_psup == 0 & right_psup == 0, 1, 0) 0.4549     0.3367   1.351 0.176604
## frame_right:right_psup                                     0.7445     0.3538   2.104 0.035348 *
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## (Dispersion parameter for binomial family taken to be 1)
##
##     Null deviance: 1824.4  on 1483  degrees of freedom
## Residual deviance: 1777.6  on 1478  degrees of freedom
##   (43 observations deleted due to missingness)
## AIC: 1789.6
##
## Number of Fisher Scoring iterations: 4
```

```
coeftest(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_id))
```

```
##
## z test of coefficients:
##
##                                                          Estimate Std. Error z value  Pr(>|z|)
## (Intercept)                                               0.70819    0.21274  3.3289 0.0008720 ***
## frame_right                                              -0.99587    0.29488 -3.3772 0.0007323 ***
## ifelse(left_psup == 0 & right_psup == 0, 1, 0)            0.46189    0.24460  1.8883 0.0589791 .
## right_psup                                                0.42073    0.25619  1.6423 0.1005321
## frame_right:ifelse(left_psup == 0 & right_psup == 0, 1, 0) 0.45492    0.33677  1.3508 0.1767498
## frame_right:right_psup                                    0.74453    0.35392  2.1036 0.0354094 *
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
tmp1c_se <- sqrt(diag(vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_id)))
tmp1c_p <- pnorm(-abs(summary(tmp1)$coefficients[,1]/tmp1c_se))*2
tmp2 <- glm(limitexp1>1 ~
            frame_right * left_psup +
            frame_right * ifelse(left_psup==0&right_psup==0,1,0),
```

```
          data=d, family=binomial("logit"))
summary(tmp2)
```

```
##
## Call:
## glm(formula = limitexp1 > 1 ~ frame_right * left_psup + frame_right *
##     ifelse(left_psup == 0 & right_psup == 0, 1, 0), family = binomial("logit"),
##     data = d)
##
## Deviance Residuals:
##     Min       1Q   Median       3Q      Max
## -1.6973  -1.4535   0.7419   0.8339   1.3018
##
## Coefficients:
##                                                          Estimate Std. Error z value Pr(>|z|)
## (Intercept)                                               1.12892    0.14269   7.912 2.54e-15 ***
## frame_right                                              -0.25134    0.19566  -1.285   0.1989
## left_psup                                                -0.42073    0.25610  -1.643   0.1004
## ifelse(left_psup == 0 & right_psup == 0, 1, 0)            0.04115    0.18687   0.220   0.8257
## frame_right:left_psup                                    -0.74453    0.35380  -2.104   0.0353 *
## frame_right:ifelse(left_psup == 0 & right_psup == 0, 1, 0) -0.28960    0.25441  -1.138   0.2550
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## (Dispersion parameter for binomial family taken to be 1)
##
##     Null deviance: 1824.4  on 1483  degrees of freedom
## Residual deviance: 1777.6  on 1478  degrees of freedom
##   (43 observations deleted due to missingness)
## AIC: 1789.6
##
## Number of Fisher Scoring iterations: 4
```

```
coeftest(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_id))
```

```
##
## z test of coefficients:
##
##                                                           Estimate Std. Error z value  Pr(>|z|)
## (Intercept)                                               1.128918   0.142736  7.9091 2.592e-15 ***
## frame_right                                              -0.251341   0.195722 -1.2842   0.19908
## left_psup                                                -0.420733   0.256188 -1.6423   0.10053
## ifelse(left_psup == 0 & right_psup == 0, 1, 0)            0.041154   0.186930  0.2202   0.82575
## frame_right:left_psup                                    -0.744526   0.353922 -2.1036   0.03541 *
## frame_right:ifelse(left_psup == 0 & right_psup == 0, 1, 0) -0.289605   0.254496 -1.1380   0.25514
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
tmp2c_se <- sqrt(diag(vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_id)))
tmp2c_p <- pnorm(-abs(summary(tmp2)$coefficients[,1]/tmp2c_se))*2

tmpdt <-
  rbind(c(mbfG03$coefficients[2],mbfG03c_se[2],
          coefci(mbfG03, vcov.=vcovCL(mbfG03,cluster=na.omit(d[,c("start_id",all.vars(mbfG03$terms))])$
          coefci(mbfG03, vcov.=vcovCL(mbfG03,cluster=na.omit(d[,c("start_id",all.vars(mbfG03$terms))])$
```

```
        c(tmp1$coefficients[2],tmp1c_se[2],
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_
        c(tmp2$coefficients[2],tmp2c_se[2],
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_

tmpdt <- as.data.frame(tmpdt)
colnames(tmpdt) <- c("cf","se","lci","uci","lci90","uci90")

mbfG03dt <- tmpdt
mbfG03dt$type <- "Party"
mbfG03dt$value <- c("Neither","Left\nParty","Right\nParty")
mbfG03dt
```

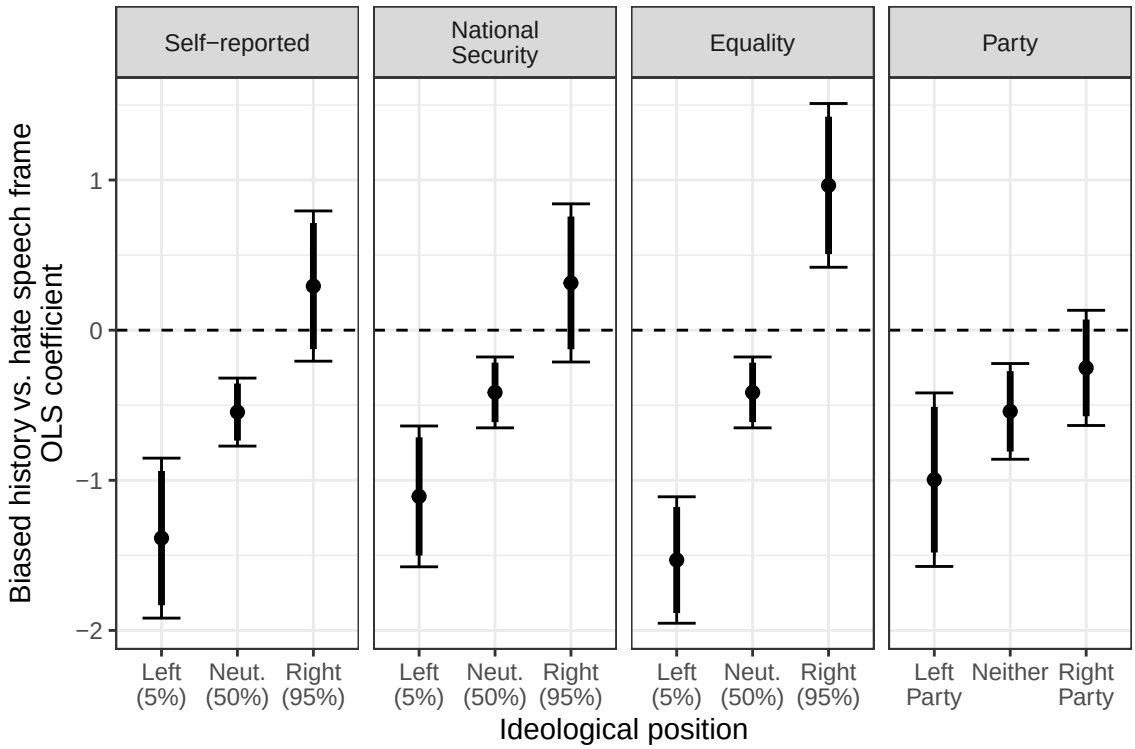
```
##           cf        se        lci        uci      lci90       uci90  type        value
## 1 -0.5409459 0.1626696 -0.8597724 -0.2221194 -0.8085136 -0.27337831 Party      Neither
## 2 -0.9958671 0.2948791 -1.5738195 -0.4179148 -1.4809000 -0.51083423 Party  Left\nParty
## 3 -0.2513414 0.1957216 -0.6349487  0.1322658 -0.5732748  0.07059194 Party Right\nParty
```

```
## Combine Data ##

mbfGdt <- rbind(mbfG01dt,mbfG02adt,mbfG02bdt,mbfG03dt)
mbfGdt$type <- factor(mbfGdt$type, unique(mbfGdt$type))
unique(mbfGdt$value)
```

```
## [1] "Neut.\n(50%)" "Left\n(5%)"   "Right\n(95%)" "Neither"      "Left\nParty"  "Right\nParty"
```

```
mbfGdt$value <- factor(mbfGdt$value, c("Left\n(5%)", "Left\nParty",
                                       "Neut.\n(50%)", "Neither",
                                       "Right\n(95%)", "Right\nParty"))

write.csv(mbfGdt, row.names = F, file = "../out/effect_frame_logit_base_v2.csv")

## Plot of Conditional Framing Effect ##

require(ggplot2)

p <- ggplot(mbfGdt, aes(x=value,y=cf)) +
  geom_hline(aes(yintercept=0), linetype=2) +
  geom_errorbar(aes(ymin=lci,ymax=uci), width=0.5) +
  geom_errorbar(aes(ymin=lci90,ymax=uci90), width=0, size=1.2) +
  geom_point(size=2) +
  facet_grid(.~type, scales = "free_x") +
  labs(x="Ideological position", y="Biased history vs. hate speech frame\nOLS coefficient") +
  theme_bw()
```

```
p
```




```
ggsave("../out/effect_frame_logit_base_v2.pdf", width=6, height=4)
ggsave("../out/effect_frame_logit_base_v2.png", width=6, height=4)
```

```
quantile(d$ide_self, probs = c(0.05,0.5,0.95))
```

Extended Models (Figure F.3)

```
##  5% 50% 95%
##  -2   0   2
```

```
## Self-reported Ideology ##

tmp1 <- glm(limitexp1>1 ~
             frame_right * I(ide_self+2) +
             fem + age + inccat + educat + employed + knall + csup + eqview + hmview,
           data=d, family=binomial("logit"))
summary(tmp1)
```

```
##
## Call:
## glm(formula = limitexp1 > 1 ~ frame_right * I(ide_self + 2) +
##     fem + age + inccat + educat + employed + knall + csup + eqview +
##     hmview, family = binomial("logit"), data = d)
##
## Deviance Residuals:
##     Min       1Q   Median       3Q      Max
## -2.0453  -1.2447   0.7235   0.8637   1.5652
##
## Coefficients:
##                              Estimate Std. Error z value Pr(>|z|)
```

```
## (Intercept)                  0.129407   0.412360   0.314 0.753657
## frame_right                 -1.385974   0.271361  -5.107 3.26e-07 ***
## I(ide_self + 2)             -0.038977   0.083505  -0.467 0.640666
## fem                          0.477532   0.126769   3.767 0.000165 ***
## age                          0.008944   0.005731   1.561 0.118587
## inccatMiddle (>=4m,<8m)     -0.085162   0.138613  -0.614 0.538958
## inccatHigh (>=8m)           -0.078704   0.185874  -0.423 0.671983
## inccatMissing                0.354843   0.202801   1.750 0.080168 .
## educat>SHS & <University    -0.001114   0.198210  -0.006 0.995517
## educat>=University          -0.076059   0.163948  -0.464 0.642704
## employed                     0.084879   0.138368   0.613 0.539594
## knall                        0.012119   0.222066   0.055 0.956477
## csup                         0.347964   0.136541   2.548 0.010821 *
## eqview                       0.424926   0.262190   1.621 0.105086
## hmview                       0.225266   0.290340   0.776 0.437826
## frame_right:I(ide_self + 2)  0.421187   0.116494   3.616 0.000300 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## (Dispersion parameter for binomial family taken to be 1)
##
##     Null deviance: 1792.7  on 1453  degrees of freedom
## Residual deviance: 1714.5  on 1438  degrees of freedom
##   (73 observations deleted due to missingness)
## AIC: 1746.5
##
## Number of Fisher Scoring iterations: 4
```

```
coeftest(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_id))
```

```
##
## z test of coefficients:
##
##                               Estimate Std. Error z value  Pr(>|z|)
## (Intercept)                  0.1294070  0.4125556  0.3137 0.7537704
## frame_right                 -1.3859738  0.2694209 -5.1443 2.686e-07 ***
## I(ide_self + 2)             -0.0389772  0.0834958 -0.4668 0.6406309
## fem                          0.4775315  0.1267684  3.7670 0.0001652 ***
## age                          0.0089439  0.0057473  1.5562 0.1196618
## inccatMiddle (>=4m,<8m)     -0.0851623  0.1382753 -0.6159 0.5379676
## inccatHigh (>=8m)           -0.0787040  0.1883458 -0.4179 0.6760422
## inccatMissing                0.3548430  0.2031727  1.7465 0.0807226 .
## educat>SHS & <University    -0.0011136  0.1962017 -0.0057 0.9954713
## educat>=University          -0.0760591  0.1646786 -0.4619 0.6441788
## employed                     0.0848790  0.1370643  0.6193 0.5357424
## knall                        0.0121194  0.2199666  0.0551 0.9560616
## csup                         0.3479639  0.1364376  2.5504 0.0107614 *
## eqview                       0.4249258  0.2691024  1.5790 0.1143248
## hmview                       0.2252662  0.2874039  0.7838 0.4331593
## frame_right:I(ide_self + 2)  0.4211867  0.1171899  3.5941 0.0003256 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
tmp1c_se <- sqrt(diag(vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_id)))
tmp1c_p <- pnorm(-abs(summary(tmp1)$coefficients[,1]/tmp1c_se))*2
```

```r
tmp2 <- glm(limitexp1>1 ~
             frame_right * I(ide_self-2) +
             fem + age + inccat + educat + employed + knall + csup + eqview + hmview,
           data=d, family=binomial("logit"))
summary(tmp2)
```

```
##
## Call:
## glm(formula = limitexp1 > 1 ~ frame_right * I(ide_self - 2) +
##     fem + age + inccat + educat + employed + knall + csup + eqview +
##     hmview, family = binomial("logit"), data = d)
##
## Deviance Residuals:
##     Min       1Q   Median       3Q      Max
## -2.0453  -1.2447   0.7235   0.8637   1.5652
##
## Coefficients:
##                               Estimate Std. Error z value Pr(>|z|)
## (Intercept)                  -0.026502   0.411119  -0.064 0.948602
## frame_right                   0.298773   0.250923   1.191 0.233774
## I(ide_self - 2)              -0.038977   0.083505  -0.467 0.640666
## fem                           0.477532   0.126769   3.767 0.000165 ***
## age                           0.008944   0.005731   1.561 0.118587
## inccatMiddle (>=4m,<8m)      -0.085162   0.138613  -0.614 0.538958
## inccatHigh (>=8m)            -0.078704   0.185874  -0.423 0.671983
## inccatMissing                 0.354843   0.202801   1.750 0.080168 .
## educat>SHS & <University     -0.001114   0.198210  -0.006 0.995517
## educat>=University           -0.076059   0.163948  -0.464 0.642704
## employed                      0.084879   0.138368   0.613 0.539594
## knall                         0.012119   0.222066   0.055 0.956477
## csup                          0.347964   0.136541   2.548 0.010821 *
## eqview                        0.424926   0.262190   1.621 0.105086
## hmview                        0.225266   0.290340   0.776 0.437826
## frame_right:I(ide_self - 2)   0.421187   0.116494   3.616 0.000300 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## (Dispersion parameter for binomial family taken to be 1)
##
##     Null deviance: 1792.7  on 1453  degrees of freedom
## Residual deviance: 1714.5  on 1438  degrees of freedom
##   (73 observations deleted due to missingness)
## AIC: 1746.5
##
## Number of Fisher Scoring iterations: 4
```

```r
coeftest(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_id))
```

```
##
## z test of coefficients:
##
##                               Estimate Std. Error z value  Pr(>|z|)
## (Intercept)                  -0.0265019  0.4098410 -0.0647 0.9484417
## frame_right                   0.2987729  0.2546820  1.1731 0.2407471
```

```
## I(ide_self - 2)             -0.0389772  0.0834958 -0.4668 0.6406309
## fem                          0.4775315  0.1267684  3.7670 0.0001652 ***
## age                          0.0089439  0.0057473  1.5562 0.1196618
## inccatMiddle (>=4m,<8m)     -0.0851623  0.1382753 -0.6159 0.5379676
## inccatHigh (>=8m)           -0.0787040  0.1883458 -0.4179 0.6760422
## inccatMissing                0.3548430  0.2031727  1.7465 0.0807226 .
## educat>SHS & <University    -0.0011136  0.1962017 -0.0057 0.9954713
## educat>=University          -0.0760591  0.1646786 -0.4619 0.6441788
## employed                     0.0848790  0.1370643  0.6193 0.5357424
## knall                        0.0121194  0.2199666  0.0551 0.9560616
## csup                         0.3479639  0.1364376  2.5504 0.0107614 *
## eqview                       0.4249258  0.2691024  1.5790 0.1143248
## hmview                       0.2252662  0.2874039  0.7838 0.4331593
## frame_right:I(ide_self - 2)  0.4211867  0.1171899  3.5941 0.0003256 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
tmp2c_se <- sqrt(diag(vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_id)))
tmp2c_p <- pnorm(-abs(summary(tmp2)$coefficients[,1]/tmp2c_se))*2

tmpdt <-
  rbind(c(mfG01$coefficients[2],mfG01c_se[2],
          coefci(mfG01, vcov.=vcovCL(mfG01,cluster=na.omit(d[,c("start_id",all.vars(mfG01$terms))])$sta
          coefci(mfG01, vcov.=vcovCL(mfG01,cluster=na.omit(d[,c("start_id",all.vars(mfG01$terms))])$sta
        c(tmp1$coefficients[2],tmp1c_se[2],
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_
        c(tmp2$coefficients[2],tmp2c_se[2],
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_

tmpdt <- as.data.frame(tmpdt)
colnames(tmpdt) <- c("cf","se","lci","uci","lci90","uci90")

mfG01dt <- tmpdt
mfG01dt$type <- "Self-reported"
mfG01dt$value <- c("Neut.\n(50%)","Left\n(5%)","Right\n(95%)")
mfG01dt
```

```
##           cf        se        lci        uci      lci90      uci90          type        value
## 1 -0.5436004 0.1174366 -0.7737720 -0.3134289 -0.7367665 -0.3504344 Self-reported Neut.\n(50%)
## 2 -1.3859738 0.2694209 -1.9140290 -0.8579186 -1.8291317 -0.9428159 Self-reported   Left\n(5%)
## 3  0.2987729 0.2546820 -0.2003946  0.7979405 -0.1201417  0.7176876 Self-reported Right\n(95%)
```

```
## Issue Ideology (National Security) ##

quantile(d$ide_iss_1, probs = c(0.05,0.5,0.95))
```

```
##          5%         50%         95%
## -1.89504357 -0.03456401  2.02020691
```

```
tmp1 <- glm(limitexp1>1 ~
             frame_right * I(ide_iss_1+1.9) +
             frame_right * ide_iss_2 +
             fem + age + inccat + educat + employed + knall + csup + eqview + hmview,
           data=d, family=binomial("logit"))
```

```r
summary(tmp1)
```

```
##
## Call:
## glm(formula = limitexp1 > 1 ~ frame_right * I(ide_iss_1 + 1.9) +
##     frame_right * ide_iss_2 + fem + age + inccat + educat + employed +
##     knall + csup + eqview + hmview, family = binomial("logit"),
##     data = d)
##
## Deviance Residuals:
##     Min       1Q   Median       3Q      Max
## -2.7006  -1.1510   0.6668   0.8522   2.0377
##
## Coefficients:
##                                  Estimate Std. Error z value Pr(>|z|)
## (Intercept)                     0.0487801  0.4085339   0.119  0.90496
## frame_right                    -1.0825589  0.2410472  -4.491 7.09e-06 ***
## I(ide_iss_1 + 1.9)              0.0186426  0.0810015   0.230  0.81797
## ide_iss_2                      -0.1095488  0.0792087  -1.383  0.16665
## fem                             0.6398695  0.1348977   4.743 2.10e-06 ***
## age                             0.0052225  0.0060211   0.867  0.38574
## inccatMiddle (>=4m,<8m)        -0.1271068  0.1416619  -0.897  0.36958
## inccatHigh (>=8m)              -0.1002965  0.1902801  -0.527  0.59812
## inccatMissing                   0.3753812  0.2066888   1.816  0.06934 .
## educat>SHS & <University        0.0245412  0.2013284   0.122  0.90298
## educat>=University             -0.0001977  0.1675059  -0.001  0.99906
## employed                        0.0977677  0.1413508   0.692  0.48915
## knall                           0.0455674  0.2272973   0.200  0.84111
## csup                            0.2356474  0.1436937   1.640  0.10102
## eqview                          0.4240309  0.2672519   1.587  0.11260
## hmview                          0.2492267  0.3039072   0.820  0.41217
## frame_right:I(ide_iss_1 + 1.9)  0.3457432  0.1126362   3.070  0.00214 **
## frame_right:ide_iss_2           0.6880476  0.1112177   6.186 6.15e-10 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## (Dispersion parameter for binomial family taken to be 1)
##
##     Null deviance: 1792.7  on 1453  degrees of freedom
## Residual deviance: 1657.9  on 1436  degrees of freedom
##   (73 observations deleted due to missingness)
## AIC: 1693.9
##
## Number of Fisher Scoring iterations: 4
```

```r
coeftest(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_id))
```

```
##
## z test of coefficients:
##
##                                    Estimate  Std. Error z value  Pr(>|z|)
## (Intercept)                     0.04878011  0.40787685  0.1196  0.904804
## frame_right                    -1.08255887  0.24258716 -4.4626 8.099e-06 ***
## I(ide_iss_1 + 1.9)              0.01864264  0.08403069  0.2219  0.824427
```

```
## ide_iss_2                       -0.10954877  0.08099241 -1.3526  0.176190
## fem                              0.63986949  0.13542464  4.7249 2.302e-06 ***
## age                              0.00522253  0.00604254  0.8643  0.387426
## inccatMiddle (>=4m,<8m)         -0.12710678  0.14286191 -0.8897  0.373617
## inccatHigh (>=8m)               -0.10029646  0.19187807 -0.5227  0.601177
## inccatMissing                    0.37538122  0.20141527  1.8637  0.062361 .
## educat>SHS & <University         0.02454116  0.19857301  0.1236  0.901642
## educat>=University              -0.00019765  0.16597855 -0.0012  0.999050
## employed                         0.09776769  0.14094639  0.6937  0.487901
## knall                            0.04556744  0.22225240  0.2050  0.837552
## csup                             0.23564735  0.14342833  1.6430  0.100391
## eqview                           0.42403085  0.27847839  1.5227  0.127841
## hmview                           0.24922668  0.30785670  0.8096  0.418196
## frame_right:I(ide_iss_1 + 1.9)   0.34574323  0.11697304  2.9558  0.003119 **
## frame_right:ide_iss_2            0.68804760  0.11722123  5.8697 4.367e-09 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
tmp1c_se <- sqrt(diag(vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_id)))
tmp1c_p <- pnorm(-abs(summary(tmp1)$coefficients[,1]/tmp1c_se))*2
tmp2 <- glm(limitexp1>1 ~
             frame_right * I(ide_iss_1-2) +
             frame_right * ide_iss_2 +
             fem + age + inccat + educat + employed + knall + csup + eqview + hmview,
           data=d, family=binomial("logit"))
summary(tmp2)
```

```
##
## Call:
## glm(formula = limitexp1 > 1 ~ frame_right * I(ide_iss_1 - 2) +
##     frame_right * ide_iss_2 + fem + age + inccat + educat + employed +
##     knall + csup + eqview + hmview, family = binomial("logit"),
##     data = d)
##
## Deviance Residuals:
##     Min       1Q   Median       3Q      Max
## -2.7006  -1.1510   0.6668   0.8522   2.0377
##
## Coefficients:
##                               Estimate Std. Error z value Pr(>|z|)
## (Intercept)                  0.1214864  0.4251827   0.286  0.77509
## frame_right                  0.2658397  0.2612196   1.018  0.30883
## I(ide_iss_1 - 2)             0.0186426  0.0810015   0.230  0.81797
## ide_iss_2                   -0.1095488  0.0792087  -1.383  0.16665
## fem                          0.6398695  0.1348977   4.743 2.10e-06 ***
## age                          0.0052225  0.0060211   0.867  0.38574
## inccatMiddle (>=4m,<8m)     -0.1271068  0.1416619  -0.897  0.36958
## inccatHigh (>=8m)           -0.1002965  0.1902801  -0.527  0.59812
## inccatMissing                0.3753812  0.2066888   1.816  0.06934 .
## educat>SHS & <University     0.0245412  0.2013284   0.122  0.90298
## educat>=University          -0.0001977  0.1675059  -0.001  0.99906
## employed                     0.0977677  0.1413508   0.692  0.48915
## knall                        0.0455674  0.2272973   0.200  0.84111
## csup                         0.2356474  0.1436937   1.640  0.10102
## eqview                       0.4240309  0.2672519   1.587  0.11260
```

```
## hmview                          0.2492267  0.3039072   0.820  0.41217
## frame_right:I(ide_iss_1 - 2)  0.3457432  0.1126362   3.070  0.00214 **
## frame_right:ide_iss_2         0.6880476  0.1112177   6.186 6.15e-10 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## (Dispersion parameter for binomial family taken to be 1)
##
##     Null deviance: 1792.7  on 1453  degrees of freedom
## Residual deviance: 1657.9  on 1436  degrees of freedom
##   (73 observations deleted due to missingness)
## AIC: 1693.9
##
## Number of Fisher Scoring iterations: 4
```

```
coeftest(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_id))
```

```
##
## z test of coefficients:
##
##                                Estimate  Std. Error z value  Pr(>|z|)
## (Intercept)                  0.12148641  0.42499871  0.2859  0.774992
## frame_right                  0.26583972  0.27526107  0.9658  0.334158
## I(ide_iss_1 - 2)             0.01864264  0.08403069  0.2219  0.824427
## ide_iss_2                   -0.10954877  0.08099241 -1.3526  0.176190
## fem                          0.63986949  0.13542464  4.7249 2.302e-06 ***
## age                          0.00522253  0.00604254  0.8643  0.387426
## inccatMiddle (>=4m,<8m)     -0.12710678  0.14286191 -0.8897  0.373617
## inccatHigh (>=8m)           -0.10029646  0.19187807 -0.5227  0.601177
## inccatMissing                0.37538122  0.20141527  1.8637  0.062361 .
## educat>SHS & <University     0.02454116  0.19857301  0.1236  0.901642
## educat>=University          -0.00019765  0.16597855 -0.0012  0.999050
## employed                     0.09776769  0.14094639  0.6937  0.487901
## knall                        0.04556744  0.22225240  0.2050  0.837552
## csup                         0.23564735  0.14342833  1.6430  0.100391
## eqview                       0.42403085  0.27847839  1.5227  0.127841
## hmview                       0.24922668  0.30785670  0.8096  0.418196
## frame_right:I(ide_iss_1 - 2)  0.34574323  0.11697304  2.9558  0.003119 **
## frame_right:ide_iss_2        0.68804760  0.11722123  5.8697 4.367e-09 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
tmp2c_se <- sqrt(diag(vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_id)))
tmp2c_p <- pnorm(-abs(summary(tmp2)$coefficients[,1]/tmp2c_se))*2

tmpdt <-
  rbind(c(mfG02$coefficients[2],mfG02c_se[2],
          coefci(mfG02, vcov.=vcovCL(mfG02,cluster=na.omit(d[,c("start_id",all.vars(mfG02$terms))])$sta
          coefci(mfG02, vcov.=vcovCL(mfG02,cluster=na.omit(d[,c("start_id",all.vars(mfG02$terms))])$sta
        c(tmp1$coefficients[2],tmp1c_se[2],
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_
        c(tmp2$coefficients[2],tmp2c_se[2],
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_
```

```
tmpdt <- as.data.frame(tmpdt)
colnames(tmpdt) <- c("cf","se","lci","uci","lci90","uci90")

mfG02adt <- tmpdt
mfG02adt$type <- "National\nSecurity"
mfG02adt$value <- c("Neut.\n(50%)","Left\n(5%)","Right\n(95%)")
mfG02adt
```

```
##           cf        se        lci        uci      lci90      uci90               type        value
## 1 -0.4256467 0.1228716 -0.6664707 -0.1848228 -0.6277526 -0.2235409 National\nSecurity Neut.\n(50%)
## 2 -1.0825589 0.2425872 -1.5580210 -0.6070968 -1.4815792 -0.6835385 National\nSecurity   Left\n(5%)
## 3  0.2658397 0.2752611 -0.2736621  0.8053415 -0.1869244  0.7186039 National\nSecurity Right\n(95%)
```

```
## Issue Ideology (Equality) ##

quantile(d$ide_iss_2, probs = c(0.05,0.5,0.95))
```

```
##          5%         50%         95%
## -1.72973639 -0.01950903  2.06652041
```

```
tmp1 <- glm(limitexp1>1 ~
             frame_right * ide_iss_1 +
             frame_right * I(ide_iss_2+1.7) +
             fem + age + inccat + educat + employed + knall + csup + eqview + hmview,
           data=d, family=binomial("logit"))
summary(tmp1)
```

```
##
## Call:
## glm(formula = limitexp1 > 1 ~ frame_right * ide_iss_1 + frame_right *
##     I(ide_iss_2 + 1.7) + fem + age + inccat + educat + employed +
##     knall + csup + eqview + hmview, family = binomial("logit"),
##     data = d)
##
## Deviance Residuals:
##     Min       1Q   Median       3Q      Max
## -2.7006  -1.1510   0.6668   0.8522   2.0377
##
## Coefficients:
##                                 Estimate Std. Error z value Pr(>|z|)
## (Intercept)                    0.2704340  0.4059182   0.666  0.50527
## frame_right                   -1.5953277  0.2181595  -7.313 2.62e-13 ***
## ide_iss_1                      0.0186426  0.0810015   0.230  0.81797
## I(ide_iss_2 + 1.7)            -0.1095488  0.0792087  -1.383  0.16665
## fem                            0.6398695  0.1348977   4.743 2.10e-06 ***
## age                            0.0052225  0.0060211   0.867  0.38574
## inccatMiddle (>=4m,<8m)       -0.1271068  0.1416619  -0.897  0.36958
## inccatHigh (>=8m)             -0.1002965  0.1902801  -0.527  0.59812
## inccatMissing                  0.3753812  0.2066888   1.816  0.06934 .
## educat>SHS & <University       0.0245412  0.2013284   0.122  0.90298
## educat>=University            -0.0001977  0.1675059  -0.001  0.99906
## employed                       0.0977677  0.1413508   0.692  0.48915
## knall                          0.0455674  0.2272973   0.200  0.84111
## csup                           0.2356474  0.1436937   1.640  0.10102
## eqview                         0.4240309  0.2672519   1.587  0.11260
```

```
## hmview                           0.2492267  0.3039072   0.820  0.41217
## frame_right:ide_iss_1            0.3457432  0.1126362   3.070  0.00214 **
## frame_right:I(ide_iss_2 + 1.7)   0.6880476  0.1112177   6.186 6.15e-10 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## (Dispersion parameter for binomial family taken to be 1)
##
##     Null deviance: 1792.7  on 1453  degrees of freedom
## Residual deviance: 1657.9  on 1436  degrees of freedom
##   (73 observations deleted due to missingness)
## AIC: 1693.9
##
## Number of Fisher Scoring iterations: 4
```

```
coeftest(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_id))
```

```
##
## z test of coefficients:
##
##                                   Estimate  Std. Error z value  Pr(>|z|)
## (Intercept)                     0.27043403  0.40777472  0.6632  0.507206
## frame_right                    -1.59532765  0.22441471 -7.1088 1.170e-12 ***
## ide_iss_1                       0.01864264  0.08403069  0.2219  0.824427
## I(ide_iss_2 + 1.7)             -0.10954877  0.08099241 -1.3526  0.176190
## fem                             0.63986949  0.13542464  4.7249 2.302e-06 ***
## age                             0.00522253  0.00604254  0.8643  0.387426
## inccatMiddle (>=4m,<8m)        -0.12710678  0.14286191 -0.8897  0.373617
## inccatHigh (>=8m)              -0.10029646  0.19187807 -0.5227  0.601177
## inccatMissing                   0.37538122  0.20141527  1.8637  0.062361 .
## educat>SHS & <University        0.02454116  0.19857301  0.1236  0.901642
## educat>=University             -0.00019765  0.16597855 -0.0012  0.999050
## employed                        0.09776769  0.14094639  0.6937  0.487901
## knall                           0.04556744  0.22225240  0.2050  0.837552
## csup                            0.23564735  0.14342833  1.6430  0.100391
## eqview                          0.42403085  0.27847839  1.5227  0.127841
## hmview                          0.24922668  0.30785670  0.8096  0.418196
## frame_right:ide_iss_1           0.34574323  0.11697304  2.9558  0.003119 **
## frame_right:I(ide_iss_2 + 1.7)  0.68804760  0.11722123  5.8697 4.367e-09 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
tmp1c_se <- sqrt(diag(vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_id)))
tmp1c_p <- pnorm(-abs(summary(tmp1)$coefficients[,1]/tmp1c_se))*2
tmp2 <- glm(limitexp1>1 ~
            frame_right * ide_iss_1 +
            frame_right * I(ide_iss_2-2.1) +
            fem + age + inccat + educat + employed + knall + csup + eqview + hmview,
          data=d, family=binomial("logit"))
summary(tmp2)
```

```
##
## Call:
## glm(formula = limitexp1 > 1 ~ frame_right * ide_iss_1 + frame_right *
##     I(ide_iss_2 - 2.1) + fem + age + inccat + educat + employed +
```

```
##     knall + csup + eqview + hmview, family = binomial("logit"),
##     data = d)
##
## Deviance Residuals:
##     Min       1Q   Median       3Q      Max
## -2.7006  -1.1510   0.6668   0.8522   2.0377
##
## Coefficients:
##                                 Estimate Std. Error z value Pr(>|z|)
## (Intercept)                    -0.1458513  0.4230626  -0.345 0.730282
## frame_right                     1.0192532  0.2703036   3.771 0.000163 ***
## ide_iss_1                       0.0186426  0.0810015   0.230 0.817974
## I(ide_iss_2 - 2.1)             -0.1095488  0.0792087  -1.383 0.166653
## fem                             0.6398695  0.1348977   4.743 2.10e-06 ***
## age                             0.0052225  0.0060211   0.867 0.385736
## inccatMiddle (>=4m,<8m)        -0.1271068  0.1416619  -0.897 0.369583
## inccatHigh (>=8m)              -0.1002965  0.1902801  -0.527 0.598125
## inccatMissing                   0.3753812  0.2066888   1.816 0.069345 .
## educat>SHS & <University        0.0245412  0.2013284   0.122 0.902981
## educat>=University             -0.0001977  0.1675059  -0.001 0.999059
## employed                        0.0977677  0.1413508   0.692 0.489146
## knall                           0.0455674  0.2272973   0.200 0.841109
## csup                            0.2356474  0.1436937   1.640 0.101020
## eqview                          0.4240309  0.2672519   1.587 0.112596
## hmview                          0.2492267  0.3039072   0.820 0.412173
## frame_right:ide_iss_1           0.3457432  0.1126362   3.070 0.002144 **
## frame_right:I(ide_iss_2 - 2.1)  0.6880476  0.1112177   6.186 6.15e-10 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## (Dispersion parameter for binomial family taken to be 1)
##
##     Null deviance: 1792.7  on 1453  degrees of freedom
## Residual deviance: 1657.9  on 1436  degrees of freedom
##   (73 observations deleted due to missingness)
## AIC: 1693.9
##
## Number of Fisher Scoring iterations: 4
```

```
coeftest(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_id))
```

```
##
## z test of coefficients:
##
##                                   Estimate  Std. Error z value  Pr(>|z|)
## (Intercept)                    -0.14585128  0.41756975 -0.3493 0.7268746
## frame_right                     1.01925322  0.28493350  3.5772 0.0003473 ***
## ide_iss_1                       0.01864264  0.08403069  0.2219 0.8244266
## I(ide_iss_2 - 2.1)             -0.10954877  0.08099241 -1.3526 0.1761896
## fem                             0.63986949  0.13542464  4.7249 2.302e-06 ***
## age                             0.00522253  0.00604254  0.8643 0.3874263
## inccatMiddle (>=4m,<8m)        -0.12710678  0.14286191 -0.8897 0.3736174
## inccatHigh (>=8m)              -0.10029646  0.19187807 -0.5227 0.6011765
## inccatMissing                   0.37538122  0.20141527  1.8637 0.0623614 .
## educat>SHS & <University        0.02454116  0.19857301  0.1236 0.9016418
```

```
## educat>=University             -0.00019765  0.16597855 -0.0012 0.9990499
## employed                        0.09776769  0.14094639  0.6937 0.4879007
## knall                           0.04556744  0.22225240  0.2050 0.8375521
## csup                            0.23564735  0.14342833  1.6430 0.1003907
## eqview                          0.42403085  0.27847839  1.5227 0.1278411
## hmview                          0.24922668  0.30785670  0.8096 0.4181964
## frame_right:ide_iss_1           0.34574323  0.11697304  2.9558 0.0031191 **
## frame_right:I(ide_iss_2 - 2.1)  0.68804760  0.11722123  5.8697 4.367e-09 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
tmp2c_se <- sqrt(diag(vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_id)))
tmp2c_p <- pnorm(-abs(summary(tmp2)$coefficients[,1]/tmp2c_se))*2

tmpdt <-
  rbind(c(mfG02$coefficients[2],mfG02c_se[2],
          coefci(mfG02, vcov.=vcovCL(mfG02,cluster=na.omit(d[,c("start_id",all.vars(mfG02$terms))])$sta
          coefci(mfG02, vcov.=vcovCL(mfG02,cluster=na.omit(d[,c("start_id",all.vars(mfG02$terms))])$sta
        c(tmp1$coefficients[2],tmp1c_se[2],
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_
        c(tmp2$coefficients[2],tmp2c_se[2],
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_

tmpdt <- as.data.frame(tmpdt)
colnames(tmpdt) <- c("cf","se","lci","uci","lci90","uci90")

mfG02bdt <- tmpdt
mfG02bdt$type <- "Equality"
mfG02bdt$value <- c("Neut.\n(50%)","Left\n(5%)","Right\n(95%)")
mfG02bdt
```

```
##           cf        se        lci        uci      lci90      uci90     type        value
## 1 -0.4256467 0.1228716 -0.6664707 -0.1848228 -0.6277526 -0.2235409 Equality Neut.\n(50%)
## 2 -1.5953277 0.2244147 -2.0351724 -1.1554829 -1.9644570 -1.2261983 Equality   Left\n(5%)
## 3  1.0192532 0.2849335  0.4607938  1.5777126  0.5505793  1.4879271 Equality Right\n(95%)
```

```
## Party Support Ideology ##

tmp1 <- glm(limitexp1>1 ~
              frame_right * ifelse(left_psup==0&right_psup==0,1,0) +
              frame_right * right_psup +
              fem + age + inccat + educat + employed + knall + csup + eqview + hmview,
            data=d, family=binomial("logit"))
summary(tmp1)
```

```
##
## Call:
## glm(formula = limitexp1 > 1 ~ frame_right * ifelse(left_psup ==
##     0 & right_psup == 0, 1, 0) + frame_right * right_psup + fem +
##     age + inccat + educat + employed + knall + csup + eqview +
##     hmview, family = binomial("logit"), data = d)
##
## Deviance Residuals:
##     Min       1Q   Median       3Q      Max
```

```
## -2.0526  -1.2897   0.7236   0.8600   1.6097
##
## Coefficients:
##                                                          Estimate Std. Error z value Pr(>|z|)
## (Intercept)                                             -0.309452   0.424940  -0.728 0.466476
## frame_right                                             -1.032707   0.300583  -3.436 0.000591 ***
## ifelse(left_psup == 0 & right_psup == 0, 1, 0)           0.407587   0.250889   1.625 0.104254
## right_psup                                               0.274411   0.275987   0.994 0.320082
## fem                                                      0.448709   0.126586   3.545 0.000393 ***
## age                                                      0.011024   0.005755   1.915 0.055447 .
## inccatMiddle (>=4m,<8m)                                 -0.078994   0.138624  -0.570 0.568780
## inccatHigh (>=8m)                                       -0.078272   0.185972  -0.421 0.673840
## inccatMissing                                            0.332165   0.204035   1.628 0.103530
## educat>SHS & <University                                -0.024546   0.198322  -0.124 0.901499
## educat>=University                                      -0.097433   0.164211  -0.593 0.552954
## employed                                                 0.069687   0.138806   0.502 0.615635
## knall                                                    0.114205   0.222892   0.512 0.608387
## csup                                                     0.349128   0.152342   2.292 0.021921 *
## eqview                                                   0.427185   0.261423   1.634 0.102243
## hmview                                                   0.176017   0.291140   0.605 0.545458
## frame_right:ifelse(left_psup == 0 & right_psup == 0, 1, 0)  0.518806   0.344323   1.507 0.131877
## frame_right:right_psup                                   0.770410   0.361148   2.133 0.032906 *
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## (Dispersion parameter for binomial family taken to be 1)
##
##     Null deviance: 1792.7  on 1453  degrees of freedom
## Residual deviance: 1715.6  on 1436  degrees of freedom
##   (73 observations deleted due to missingness)
## AIC: 1751.6
##
## Number of Fisher Scoring iterations: 4
```

```
coeftest(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_id))
```

```
##
## z test of coefficients:
##
##                                                           Estimate Std. Error z value  Pr(>|z|)
## (Intercept)                                             -0.3094519  0.4240095 -0.7298 0.4654983
## frame_right                                             -1.0327071  0.3021756 -3.4176 0.0006318 *
## ifelse(left_psup == 0 & right_psup == 0, 1, 0)           0.4075872  0.2478649  1.6444 0.1000952
## right_psup                                               0.2744106  0.2711200  1.0121 0.3114724
## fem                                                      0.4487091  0.1268855  3.5363 0.0004057 *
## age                                                      0.0110235  0.0058178  1.8948 0.0581181 .
## inccatMiddle (>=4m,<8m)                                 -0.0789945  0.1383069 -0.5712 0.5678957
## inccatHigh (>=8m)                                       -0.0782723  0.1889918 -0.4142 0.6787588
## inccatMissing                                            0.3321647  0.2025084  1.6403 0.1009530
## educat>SHS & <University                                -0.0245460  0.1978778 -0.1240 0.9012788
## educat>=University                                      -0.0974328  0.1646104 -0.5919 0.5539181
## employed                                                 0.0696869  0.1391691  0.5007 0.6165572
## knall                                                    0.1142048  0.2214020  0.5158 0.6059763
## csup                                                     0.3491280  0.1514366  2.3054 0.0211420 *
## eqview                                                   0.4271850  0.2710011  1.5763 0.1149517
```

```
## hmview                                                    0.1760171  0.2884983  0.6101 0.5417857
## frame_right:ifelse(left_psup == 0 & right_psup == 0, 1, 0)  0.5188063  0.3447330  1.5050 0.1323367
## frame_right:right_psup                                    0.7704097  0.3621784  2.1272 0.0334072 *
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
tmp1c_se <- sqrt(diag(vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_id)))
tmp1c_p <- pnorm(-abs(summary(tmp1)$coefficients[,1]/tmp1c_se))*2
tmp2 <- glm(limitexp1>1 ~
            frame_right * left_psup +
            frame_right * ifelse(left_psup==0&right_psup==0,1,0) +
            fem + age + inccat + educat + employed + knall + csup + eqview + hmview,
          data=d, family=binomial("logit"))
summary(tmp2)
```

```
##
## Call:
## glm(formula = limitexp1 > 1 ~ frame_right * left_psup + frame_right *
##     ifelse(left_psup == 0 & right_psup == 0, 1, 0) + fem + age +
##     inccat + educat + employed + knall + csup + eqview + hmview,
##     family = binomial("logit"), data = d)
##
## Deviance Residuals:
##     Min       1Q   Median       3Q      Max
## -2.0526  -1.2897   0.7236   0.8600   1.6097
##
## Coefficients:
##                                                           Estimate Std. Error z value Pr(>|z|)
## (Intercept)                                             -0.035041   0.412616  -0.085 0.932321
## frame_right                                             -0.262297   0.200292  -1.310 0.190340
## left_psup                                               -0.274411   0.275987  -0.994 0.320082
## ifelse(left_psup == 0 & right_psup == 0, 1, 0)           0.133177   0.208173   0.640 0.522341
## fem                                                      0.448709   0.126586   3.545 0.000393 ***
## age                                                      0.011024   0.005755   1.915 0.055447 .
## inccatMiddle (>=4m,<8m)                                 -0.078994   0.138624  -0.570 0.568780
## inccatHigh (>=8m)                                       -0.078272   0.185972  -0.421 0.673840
## inccatMissing                                            0.332165   0.204035   1.628 0.103530
## educat>SHS & <University                                -0.024546   0.198322  -0.124 0.901499
## educat>=University                                      -0.097433   0.164211  -0.593 0.552954
## employed                                                 0.069687   0.138806   0.502 0.615635
## knall                                                    0.114205   0.222892   0.512 0.608387
## csup                                                     0.349128   0.152342   2.292 0.021921 *
## eqview                                                   0.427185   0.261423   1.634 0.102243
## hmview                                                   0.176017   0.291140   0.605 0.545458
## frame_right:left_psup                                   -0.770410   0.361148  -2.133 0.032906 *
## frame_right:ifelse(left_psup == 0 & right_psup == 0, 1, 0) -0.251603   0.260228  -0.967 0.333615
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## (Dispersion parameter for binomial family taken to be 1)
##
##     Null deviance: 1792.7  on 1453  degrees of freedom
## Residual deviance: 1715.6  on 1436  degrees of freedom
##   (73 observations deleted due to missingness)
## AIC: 1751.6
```

```
##
## Number of Fisher Scoring iterations: 4
```

```
coeftest(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_id))
```

```
##
## z test of coefficients:
##
##                                                                  Estimate Std. Error z value  Pr(>|z|)
## (Intercept)                                                    -0.0350413  0.4132758 -0.0848 0.9324291
## frame_right                                                    -0.2622974  0.2006892 -1.3070 0.1912183
## left_psup                                                      -0.2744106  0.2711200 -1.0121 0.3114724
## ifelse(left_psup == 0 & right_psup == 0, 1, 0)                  0.1331765  0.2050816  0.6494 0.5160907
## fem                                                             0.4487091  0.1268855  3.5363 0.0004057 *
## age                                                             0.0110235  0.0058178  1.8948 0.0581181 .
## inccatMiddle (>=4m,<8m)                                        -0.0789945  0.1383069 -0.5712 0.5678957
## inccatHigh (>=8m)                                              -0.0782723  0.1889918 -0.4142 0.6787588
## inccatMissing                                                   0.3321647  0.2025084  1.6403 0.1009530
## educat>SHS & <University                                       -0.0245460  0.1978778 -0.1240 0.9012788
## educat>=University                                             -0.0974328  0.1646104 -0.5919 0.5539181
## employed                                                        0.0696869  0.1391691  0.5007 0.6165572
## knall                                                           0.1142048  0.2214020  0.5158 0.6059763
## csup                                                            0.3491280  0.1514366  2.3054 0.0211420 *
## eqview                                                          0.4271850  0.2710011  1.5763 0.1149517
## hmview                                                          0.1760171  0.2884983  0.6101 0.5417857
## frame_right:left_psup                                          -0.7704097  0.3621784 -2.1272 0.0334072 *
## frame_right:ifelse(left_psup == 0 & right_psup == 0, 1, 0) -0.2516034  0.2607418 -0.9650 0.3345687
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
tmp2c_se <- sqrt(diag(vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_id)))
tmp2c_p <- pnorm(-abs(summary(tmp2)$coefficients[,1]/tmp2c_se))*2

tmpdt <-
  rbind(c(mfG03$coefficients[2],mfG03c_se[2],
          coefci(mfG03, vcov.=vcovCL(mfG03,cluster=na.omit(d[,c("start_id",all.vars(mfG03$terms))])$sta
          coefci(mfG03, vcov.=vcovCL(mfG03,cluster=na.omit(d[,c("start_id",all.vars(mfG03$terms))])$sta
        c(tmp1$coefficients[2],tmp1c_se[2],
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_
        c(tmp2$coefficients[2],tmp2c_se[2],
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_

tmpdt <- as.data.frame(tmpdt)
colnames(tmpdt) <- c("cf","se","lci","uci","lci90","uci90")

mfG03dt <- tmpdt
mfG03dt$type <- "Party"
mfG03dt$value <- c("Neither","Left\nParty","Right\nParty")
mfG03dt
```

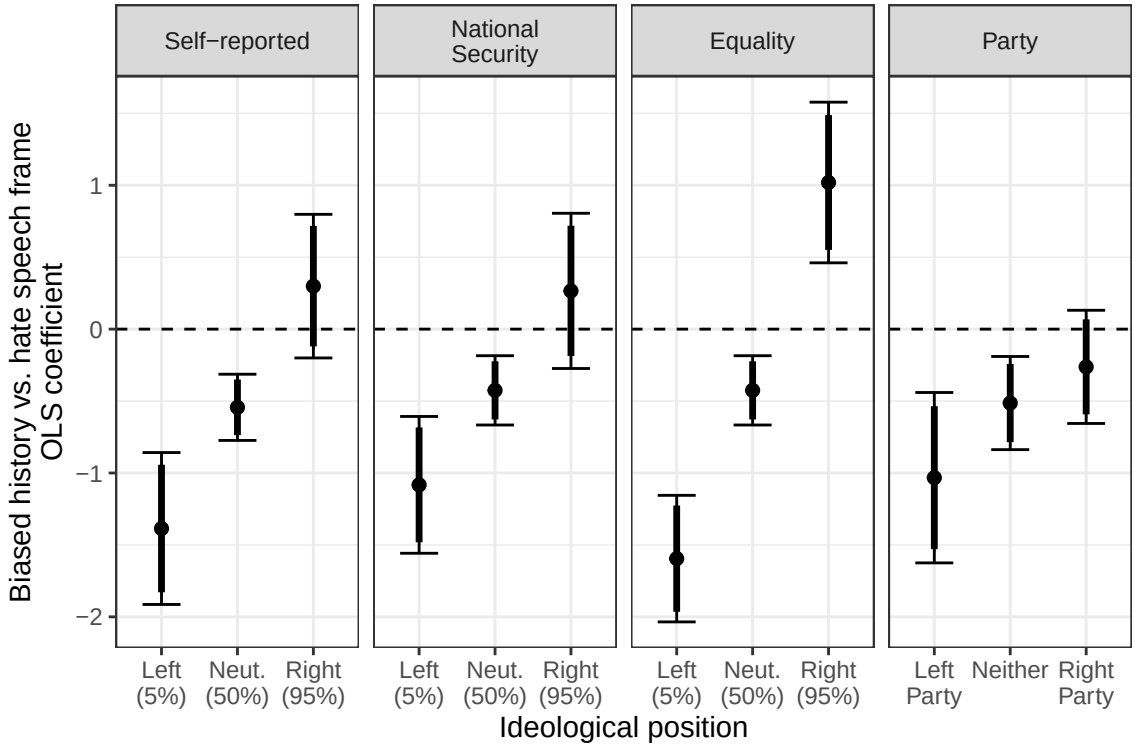
```
##           cf        se        lci        uci      lci90       uci90  type        value
## 1 -0.5139008 0.1651695 -0.8376271 -0.1901745 -0.7855805 -0.24222109 Party      Neither
## 2 -1.0327071 0.3021756 -1.6249603 -0.4404539 -1.5297416 -0.53567253 Party  Left\nParty
## 3 -0.2622974 0.2006892 -0.6556409  0.1310461 -0.5924017  0.06780689 Party Right\nParty
```

```
## Combine Data ##

mfGdt <- rbind(mfG01dt,mfG02adt,mfG02bdt,mfG03dt)
mfGdt$type <- factor(mfGdt$type, unique(mfGdt$type))
unique(mfGdt$value)
```

```
## [1] "Neut.\n(50%)" "Left\n(5%)"   "Right\n(95%)" "Neither"      "Left\nParty"  "Right\nParty"
```

```
mfGdt$value <- factor(mfGdt$value, c("Left\n(5%)", "Left\nParty",
                                     "Neut.\n(50%)", "Neither",
                                     "Right\n(95%)", "Right\nParty"))

write.csv(mfGdt, row.names = F, file = "../out/effect_frame_logit_v2.csv")

## Plot of Conditional Framing Effect ##

require(ggplot2)

p <- ggplot(mfGdt, aes(x=value,y=cf)) +
  geom_hline(aes(yintercept=0), linetype=2) +
  geom_errorbar(aes(ymin=lci,ymax=uci), width=0.5) +
  geom_errorbar(aes(ymin=lci90,ymax=uci90), width=0, size=1.2) +
  geom_point(size=2) +
  facet_grid(.~type, scales = "free_x") +
  labs(x="Ideological position", y="Biased history vs. hate speech frame\nOLS coefficient") +
  theme_bw()
```

```
p
```




```
ggsave("../out/effect_frame_logit_v2.pdf", width=6, height=4)
ggsave("../out/effect_frame_logit_v2.png", width=6, height=4)
```

Ordinal Logit: Estimation

```
## Self-reported Ideology
mbf01 <- polr(as.ordered(limitexp1) ~
              frame_right * ide_self, data=d, Hess = TRUE)
summary(mbf01)
```

Baseline (Table F.6)

```
## Call:
## polr(formula = as.ordered(limitexp1) ~ frame_right * ide_self,
##     data = d, Hess = TRUE)
##
## Coefficients:
##                         Value Std. Error t value
## frame_right          -0.37024    0.09771 -3.7890
## ide_self             -0.04296    0.07051 -0.6092
## frame_right:ide_self  0.49489    0.09950  4.9737
##
## Intercepts:
##     Value    Std. Error t value
## 0|1  -2.8861   0.1199   -24.0664
## 1|2  -0.9976   0.0760   -13.1234
## 2|3  -0.1632   0.0713    -2.2880
## 3|4   3.1595   0.1457    21.6833
##
## Residual Deviance: 3846.743
## AIC: 3860.743
## (43 observations deleted due to missingness)
```

```
coeftest(mbf01, vcov.=vcovCL(mbf01,cluster=na.omit(d[,c("start_id",all.vars(mbf01$terms))])$start_id))
```

```
##
## t test of coefficients:
##
##                       Estimate Std. Error t value  Pr(>|t|)
## frame_right          -0.370239   0.098386 -3.7631 0.0001744 ***
## ide_self             -0.042957   0.082757 -0.5191 0.6037874
## frame_right:ide_self  0.494889   0.109234  4.5305 6.357e-06 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
mbf01c_se <- sqrt(diag(vcovCL(mbf01,cluster=na.omit(d[,c("start_id",all.vars(mbf01$terms))])$start_id))
mbf01c_p <- pnorm(-abs(summary(mbf01)$coefficients[,1]/mbf01c_se))*2

## Issue Ideology
mbf02 <- polr(as.ordered(limitexp1) ~
              frame_right * ide_iss_1 +
              frame_right * ide_iss_2, data=d, Hess = TRUE)
summary(mbf02)
```

```
## Call:
## polr(formula = as.ordered(limitexp1) ~ frame_right * ide_iss_1 +
##     frame_right * ide_iss_2, data = d, Hess = TRUE)
##
## Coefficients:
```

```
##                           Value Std. Error t value
## frame_right           -0.28248    0.09736 -2.9013
## ide_iss_1              0.05514    0.06337  0.8702
## ide_iss_2             -0.13322    0.06226 -2.1396
## frame_right:ide_iss_1  0.37918    0.09258  4.0955
## frame_right:ide_iss_2  0.53772    0.08828  6.0911
##
## Intercepts:
##     Value    Std. Error t value
## 0|1  -2.9447   0.1214   -24.2609
## 1|2  -1.0066   0.0758   -13.2878
## 2|3  -0.1486   0.0708    -2.0995
## 3|4   3.2326   0.1475    21.9211
##
## Residual Deviance: 3791.15
## AIC: 3809.15
## (43 observations deleted due to missingness)
```

```
coeftest(mbf02, vcov.=vcovCL(mbf02,cluster=na.omit(d[,c("start_id",all.vars(mbf02$terms))])$start_id))
```

```
##
## t test of coefficients:
##
##                          Estimate Std. Error t value  Pr(>|t|)
## frame_right           -0.282483   0.097485 -2.8977 0.0038147 **
## ide_iss_1              0.055138   0.071016  0.7764 0.4376307
## ide_iss_2             -0.133216   0.066116 -2.0149 0.0440969 *
## frame_right:ide_iss_1  0.379180   0.100034  3.7905 0.0001564 ***
## frame_right:ide_iss_2  0.537717   0.093253  5.7662  9.86e-09 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
mbf02c_se <- sqrt(diag(vcovCL(mbf02,cluster=na.omit(d[,c("start_id",all.vars(mbf02$terms))])$start_id)))
mbf02c_p <- pnorm(-abs(summary(mbf02)$coefficients[,1]/mbf02c_se))*2

## Party Support
mbf03 <- polr(as.ordered(limitexp1) ~
              frame_right * left_psup +
              frame_right * right_psup, data=d, Hess = TRUE)
summary(mbf03)
```

```
## Call:
## polr(formula = as.ordered(limitexp1) ~ frame_right * left_psup +
##     frame_right * right_psup, data = d, Hess = TRUE)
##
## Coefficients:
##                           Value Std. Error t value
## frame_right            -0.3108     0.1326 -2.3439
## left_psup              -0.1108     0.2160 -0.5131
## right_psup              0.1729     0.1481  1.1679
## frame_right:left_psup  -0.6534     0.3031 -2.1556
## frame_right:right_psup  0.2598     0.2111  1.2306
##
## Intercepts:
##     Value    Std. Error t value
```

```
## 0|1  -2.8215   0.1351   -20.8826
## 1|2  -0.9378   0.0981    -9.5579
## 2|3  -0.1103   0.0947    -1.1647
## 3|4   3.1930   0.1590    20.0828
##
## Residual Deviance: 3858.311
## AIC: 3876.311
## (43 observations deleted due to missingness)
```

```r
coeftest(mbf03, vcov.=vcovCL(mbf03,cluster=na.omit(d[,c("start_id",all.vars(mbf03$terms))])$start_id))
```

```
##
## t test of coefficients:
##
##                        Estimate Std. Error t value Pr(>|t|)
## frame_right            -0.31078    0.12567 -2.4730  0.01351 *
## left_psup              -0.11081    0.24594 -0.4506  0.65238
## right_psup              0.17293    0.14322  1.2074  0.22748
## frame_right:left_psup  -0.65340    0.33735 -1.9368  0.05296 .
## frame_right:right_psup  0.25977    0.21052  1.2339  0.21742
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```r
mbf03c_se <- sqrt(diag(vcovCL(mbf03,cluster=na.omit(d[,c("start_id",all.vars(mbf03$terms))])$start_id))
mbf03c_p <- pnorm(-abs(summary(mbf03)$coefficients[,1]/mbf03c_se))*2

screenreg(list(mbf01,mbf02,mbf03), stars = c(0.1,0.05,0.01,0.001), symbol = "+",
          beside = T, digits = 3, single.row = T,
          override.se = list(mbf01c_se,mbf02c_se,mbf03c_se),
          override.pvalues = list(mbf01c_p,mbf02c_p,mbf03c_p),
          custom.model.names = c("Self-reported","Issue","Party"),
          custom.coef.map = vn)
```

```
##
## ==========================================================================================
##                                                  Self-reported          Issue                  Party
## ------------------------------------------------------------------------------------------
## Biased history frame                                -0.370 (0.098) ***     -0.282 (0.097) **      -0
## Biased history * ideology (self-reported)            0.495 (0.109) ***
## Biased history * ideology (national security)                                0.379 (0.100) ***
## Biased history * ideology (equality)                                         0.538 (0.093) ***
## Biased history * left party                                                                    -0
## Biased history * right party                                                                    0
## Ideology (self-reported)                            -0.043 (0.083)
## Ideology (national security)                                                 0.055 (0.071)
## Ideology (equality)                                                         -0.133 (0.066) *
## Left party support                                                                             -0
## Right party support                                                                             0
## Cut: No, any case|No, as much as possible           -2.886 (0.122) ***     -2.945 (0.122) ***     -2
## Cut: No, as much as possible|Need to be careful     -0.998 (0.075) ***     -1.007 (0.074) ***     -0
## Cut: Need to be careful|Yes, if necessary           -0.163 (0.072) *       -0.149 (0.070) *       -0
## Cut: Yes, if necessary|Yes, actively                 3.159 (0.151) ***      3.233 (0.154) ***      3
## ------------------------------------------------------------------------------------------
## AIC                                               3860.743               3809.150               3876
## BIC                                               3897.861               3856.872               3924
```

```
## Log Likelihood                                -1923.372             -1895.575             -1929
## Deviance                                       3846.743              3791.150              3858
## Num. obs.                                      1484                  1484                  1484
## ============================================================================================
## *** p < 0.001; ** p < 0.01; * p < 0.05; + p < 0.1
```

```
texreg(list(mbf01,mbf02,mbf03), stars = c(0.1,0.05,0.01,0.001), symbol = "\\dagger",
       beside = T, digits = 3, single.row = T,
       override.se = list(mbf01c_se,mbf02c_se,mbf03c_se),
       override.pvalues = list(mbf01c_p,mbf02c_p,mbf03c_p),
       custom.model.names = c("Self-reported","Issue","Party"),
       custom.coef.map = vn,
       custom.note = "%stars. Robust standard errors in parentheses.",
       use.packages = FALSE, booktabs = TRUE, dcolumn = TRUE, caption.above = TRUE, fontsize = "scriptsi
       caption = "The ideology-moderated framing treatment effect on support for regulating expression i
       file = "../out/resout_frame_ol_base_v2.tex", label = "table:resout_frame_ol_base")
```

```
## Self-reported Ideology
mf01 <- polr(as.ordered(limitexp1) ~
           frame_right * ide_self +
           fem + age + inccat + educat + employed + knall + csup + eqview + hmview, data=d, Hess = TRU
summary(mf01)
```

Extended (Table F.7)

```
## Call:
## polr(formula = as.ordered(limitexp1) ~ frame_right * ide_self +
##     fem + age + inccat + educat + employed + knall + csup + eqview +
##     hmview, data = d, Hess = TRUE)
##
## Coefficients:
##                               Value Std. Error  t value
## frame_right                -0.357153   0.099315 -3.59616
## ide_self                   -0.084677   0.072430 -1.16908
## fem                         0.161022   0.106133  1.51717
## age                         0.006271   0.004812  1.30332
## inccatMiddle (>=4m,<8m)    -0.062893   0.117076 -0.53720
## inccatHigh (>=8m)          -0.050319   0.156593 -0.32134
## inccatMissing               0.154609   0.160365  0.96411
## educat>SHS & <University    0.018194   0.165204  0.11013
## educat>=University         -0.150139   0.137657 -1.09068
## employed                    0.001177   0.114139  0.01031
## knall                      -0.134523   0.185149 -0.72657
## csup                        0.388594   0.113729  3.41684
## eqview                      0.380090   0.225055  1.68888
## hmview                      0.454324   0.250086  1.81667
## frame_right:ide_self        0.484497   0.100489  4.82141
##
## Intercepts:
##     Value   Std. Error t value
## 0|1 -2.1283  0.3299    -6.4523
## 1|2 -0.2292  0.3199    -0.7165
## 2|3  0.6040  0.3201     1.8871
## 3|4  3.9603  0.3480    11.3794
```

```
##
## Residual Deviance: 3739.522
## AIC: 3777.522
## (73 observations deleted due to missingness)
```

```
coeftest(mf01, vcov.=vcovCL(mf01,cluster=na.omit(d[,c("start_id",all.vars(mf01$terms))])$start_id))
```

```
##
## t test of coefficients:
##
##                             Estimate Std. Error t value  Pr(>|t|)
## frame_right               -0.3571531  0.1000552 -3.5696 0.0003694 ***
## ide_self                  -0.0846768  0.0841561 -1.0062 0.3144950
## fem                        0.1610216  0.1092560  1.4738 0.1407545
## age                        0.0062712  0.0049104  1.2771 0.2017649
## inccatMiddle (>=4m,<8m)   -0.0628931  0.1176873 -0.5344 0.5931419
## inccatHigh (>=8m)         -0.0503194  0.1595743 -0.3153 0.7525528
## inccatMissing              0.1546092  0.1540937  1.0033 0.3158635
## educat>SHS & <University   0.0181939  0.1689209  0.1077 0.9142436
## educat>=University        -0.1501390  0.1398405 -1.0736 0.2831627
## employed                   0.0011767  0.1096987  0.0107 0.9914431
## knall                     -0.1345233  0.1831816 -0.7344 0.4628425
## csup                       0.3885938  0.1151452  3.3748 0.0007584 ***
## eqview                     0.3800903  0.2451194  1.5506 0.1212101
## hmview                     0.4543241  0.2650614  1.7140 0.0867386 .
## frame_right:ide_self       0.4844972  0.1098787  4.4094 1.114e-05 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
mf01c_se <- sqrt(diag(vcovCL(mf01,cluster=na.omit(d[,c("start_id",all.vars(mf01$terms))])$start_id)))
mf01c_p <- pnorm(-abs(summary(mf01)$coefficients[,1]/mf01c_se))*2

## Issue Ideology
mf02 <- polr(as.ordered(limitexp1) ~
               frame_right * ide_iss_1 +
               frame_right * ide_iss_2 +
               fem + age + inccat + educat + employed + knall + csup + eqview + hmview, data=d, Hess = T
summary(mf02)
```

```
## Call:
## polr(formula = as.ordered(limitexp1) ~ frame_right * ide_iss_1 +
##     frame_right * ide_iss_2 + fem + age + inccat + educat + employed +
##     knall + csup + eqview + hmview, data = d, Hess = TRUE)
##
## Coefficients:
##                              Value Std. Error t value
## frame_right               -0.279891   0.098867 -2.8310
## ide_iss_1                  0.046699   0.068748  0.6793
## ide_iss_2                 -0.116115   0.065405 -1.7753
## fem                        0.280075   0.110469  2.5353
## age                        0.003854   0.004971  0.7752
## inccatMiddle (>=4m,<8m)   -0.082101   0.117782 -0.6971
## inccatHigh (>=8m)         -0.054792   0.156798 -0.3494
## inccatMissing              0.174744   0.160803  1.0867
## educat>SHS & <University   0.055303   0.166086  0.3330
```

```
## educat>=University       -0.087828   0.138213 -0.6355
## employed                  0.011854   0.114516  0.1035
## knall                    -0.129381   0.185854 -0.6961
## csup                      0.260515   0.117933  2.2090
## eqview                    0.392659   0.226785  1.7314
## hmview                    0.397391   0.257113  1.5456
## frame_right:ide_iss_1     0.343213   0.093869  3.6563
## frame_right:ide_iss_2     0.541164   0.089702  6.0329
##
## Intercepts:
##     Value   Std. Error t value
## 0|1 -2.2441  0.3326    -6.7465
## 1|2 -0.2933  0.3218    -0.9115
## 2|3  0.5626  0.3219     1.7474
## 3|4  3.9725  0.3512    11.3104
##
## Residual Deviance: 3689.369
## AIC: 3731.369
## (73 observations deleted due to missingness)
```

```
coeftest(mf02, vcov.=vcovCL(mf02,cluster=na.omit(d[,c("start_id",all.vars(mf02$terms))])$start_id))
```

```
##
## t test of coefficients:
##
##                             Estimate Std. Error t value  Pr(>|t|)
## frame_right              -0.2798908  0.0990223 -2.8265 0.0047707 **
## ide_iss_1                 0.0466992  0.0794446  0.5878 0.5567456
## ide_iss_2                -0.1161151  0.0702553 -1.6528 0.0985988 .
## fem                       0.2800753  0.1158205  2.4182 0.0157222 *
## age                       0.0038538  0.0051117  0.7539 0.4510239
## inccatMiddle (>=4m,<8m)  -0.0821014  0.1191349 -0.6891 0.4908428
## inccatHigh (>=8m)        -0.0547923  0.1576347 -0.3476 0.7281988
## inccatMissing             0.1747438  0.1541210  1.1338 0.2570643
## educat>SHS & <University  0.0553032  0.1713811  0.3227 0.7469759
## educat>=University       -0.0878275  0.1394384 -0.6299 0.5288826
## employed                  0.0118540  0.1108722  0.1069 0.9148705
## knall                    -0.1293809  0.1831680 -0.7064 0.4800845
## csup                      0.2605155  0.1171356  2.2240 0.0263004 *
## eqview                    0.3926594  0.2504462  1.5678 0.1171394
## hmview                    0.3973906  0.2747146  1.4466 0.1482395
## frame_right:ide_iss_1     0.3432133  0.1031516  3.3273 0.0008992 ***
## frame_right:ide_iss_2     0.5411642  0.0957771  5.6502  1.93e-08 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
mf02c_se <- sqrt(diag(vcovCL(mf02,cluster=na.omit(d[,c("start_id",all.vars(mf02$terms))])$start_id)))
mf02c_p <- pnorm(-abs(summary(mf02)$coefficients[,1]/mf02c_se))*2

## Party Support
mf03 <- polr(as.ordered(limitexp1) ~
               frame_right * left_psup +
               frame_right * right_psup +
               fem + age + inccat + educat + employed + knall + csup + eqview + hmview, data=d, Hess = T
summary(mf03)
```

```
## Call:
## polr(formula = as.ordered(limitexp1) ~ frame_right * left_psup +
##     frame_right * right_psup + fem + age + inccat + educat +
##     employed + knall + csup + eqview + hmview, data = d, Hess = TRUE)
##
## Coefficients:
##                              Value Std. Error  t value
## frame_right              -0.289961   0.135352 -2.14227
## left_psup                -0.065049   0.220805 -0.29460
## right_psup               -0.019876   0.166627 -0.11928
## fem                       0.141459   0.105933  1.33537
## age                       0.006964   0.004832  1.44137
## inccatMiddle (>=4m,<8m)  -0.048403   0.117043 -0.41355
## inccatHigh (>=8m)        -0.045828   0.156869 -0.29214
## inccatMissing             0.169634   0.160547  1.05660
## educat>SHS & <University  0.025075   0.165363  0.15164
## educat>=University       -0.156120   0.137563 -1.13490
## employed                 -0.007680   0.114430 -0.06711
## knall                    -0.073907   0.185498 -0.39842
## csup                      0.375526   0.127010  2.95667
## eqview                    0.382449   0.225095  1.69906
## hmview                    0.398934   0.251468  1.58642
## frame_right:left_psup    -0.673239   0.306856 -2.19399
## frame_right:right_psup    0.242176   0.215071  1.12603
##
## Intercepts:
##     Value   Std. Error t value
## 0|1 -2.1125  0.3349    -6.3074
## 1|2 -0.2202  0.3249    -0.6776
## 2|3  0.6048  0.3252     1.8601
## 3|4  3.9353  0.3522    11.1750
##
## Residual Deviance: 3755.312
## AIC: 3797.312
## (73 observations deleted due to missingness)
```

```
coeftest(mf03, vcov.=vcovCL(mf03,cluster=na.omit(d[,c("start_id",all.vars(mf03$terms))])$start_id))
```

```
##
## t test of coefficients:
##
##                            Estimate Std. Error t value Pr(>|t|)
## frame_right              -0.2899607  0.1283501 -2.2591 0.024024 *
## left_psup                -0.0650494  0.2501204 -0.2601 0.794845
## right_psup               -0.0198756  0.1625351 -0.1223 0.902691
## fem                       0.1414594  0.1091612  1.2959 0.195227
## age                       0.0069645  0.0050221  1.3868 0.165726
## inccatMiddle (>=4m,<8m)  -0.0484026  0.1182504 -0.4093 0.682364
## inccatHigh (>=8m)        -0.0458279  0.1602395 -0.2860 0.774923
## inccatMissing             0.1696340  0.1534251  1.1056 0.269065
## educat>SHS & <University  0.0250754  0.1706317  0.1470 0.883187
## educat>=University       -0.1561198  0.1400096 -1.1151 0.265010
## employed                 -0.0076795  0.1116563 -0.0688 0.945176
## knall                    -0.0739066  0.1842208 -0.4012 0.688344
## csup                      0.3755261  0.1278648  2.9369 0.003368 **
```

```
## eqview                    0.3824488  0.2479154  1.5427 0.123134
## hmview                    0.3989338  0.2697194  1.4791 0.139342
## frame_right:left_psup    -0.6732387  0.3394780 -1.9832 0.047540 *
## frame_right:right_psup    0.2421756  0.2159790  1.1213 0.262351
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```r
mf03c_se <- sqrt(diag(vcovCL(mf03,cluster=na.omit(d[,c("start_id",all.vars(mf03$terms))])$start_id)))
mf03c_p <- pnorm(-abs(summary(mf03)$coefficients[,1]/mf03c_se))*2

screenreg(list(mf01,mf02,mf03), stars = c(0.1,0.05,0.01,0.001), symbol = "+",
          beside = T, digits = 3, single.row = T,
          override.se = list(mf01c_se,mf02c_se,mf03c_se),
          override.pvalues = list(mf01c_p,mf02c_p,mf03c_p),
          custom.model.names = c("Self-reported","Issue","Party"),
          custom.coef.map = vn)
```

```
##
## ==========================================================================================
##                                                Self-reported          Issue                  Party
## ------------------------------------------------------------------------------------------
## Biased history frame                              -0.357 (0.100) ***     -0.280 (0.099) **      -0
## Biased history * ideology (self-reported)          0.484 (0.110) ***
## Biased history * ideology (national security)                              0.343 (0.103) ***
## Biased history * ideology (equality)                                       0.541 (0.096) ***
## Biased history * left party                                                                  -0
## Biased history * right party                                                                  0
## Ideology (self-reported)                          -0.085 (0.084)
## Ideology (national security)                                               0.047 (0.079)
## Ideology (equality)                                                       -0.116 (0.070) +
## Left party support                                                                           -0
## Right party support                                                                          -0
## Gender (female)                                    0.161 (0.109)          0.280 (0.116) *        0
## Age                                                0.006 (0.005)          0.004 (0.005)          0
## Income (middle)                                   -0.063 (0.118)         -0.082 (0.119)         -0
## Income (high)                                     -0.050 (0.160)         -0.055 (0.158)         -0
## Income (missing)                                   0.155 (0.154)          0.175 (0.154)          0
## Education (junior college/tech. school)            0.018 (0.169)          0.055 (0.171)          0
## Education (university)                            -0.150 (0.140)         -0.088 (0.139)         -0
## Employed                                           0.001 (0.110)          0.012 (0.111)         -0
## Political knowledge (0-1)                         -0.135 (0.183)         -0.129 (0.183)         -0
## Approve Abe Cabinet                                0.389 (0.115) ***      0.261 (0.117) *        0
## Japanese society is equal (0-1)                    0.380 (0.245)          0.393 (0.250)          0
## Japanese society is homogeneous (0-1)              0.454 (0.265) +        0.397 (0.275)          0
## Cut: No, any case|No, as much as possible         -2.128 (0.341) ***     -2.244 (0.342) ***     -2
## Cut: No, as much as possible|Need to be careful   -0.229 (0.326)         -0.293 (0.328)         -0
## Cut: Need to be careful|Yes, if necessary          0.604 (0.326) +        0.563 (0.328) +        0
## Cut: Yes, if necessary|Yes, actively               3.960 (0.363) ***      3.973 (0.370) ***      3
## ------------------------------------------------------------------------------------------
## AIC                                             3777.522              3731.369              3797
## BIC                                             3877.881              3842.292              3908
## Log Likelihood                                 -1869.761             -1844.684             -1877
## Deviance                                        3739.522              3689.369              3755
## Num. obs.                                       1454                  1454                  1454
## ==========================================================================================
```

```
## *** p < 0.001; ** p < 0.01; * p < 0.05; + p < 0.1
```

```
texreg(list(mf01,mf02,mf03), stars = c(0.1,0.05,0.01,0.001), symbol = "\\dagger",
       beside = T, digits = 3, single.row = T,
       override.se = list(mf01c_se,mf02c_se,mf03c_se),
       override.pvalues = list(mf01c_p,mf02c_p,mf03c_p),
       custom.model.names = c("Self-reported","Issue","Party"),
       custom.coef.map = vn,
       custom.note = "%stars. Robust standard errors in parentheses.",
       use.packages = FALSE, booktabs = TRUE, dcolumn = TRUE, caption.above = TRUE, fontsize = "scriptsi
       caption = "The ideology-moderated framing treatment effect on support for regulating expression i
       file = "../out/resout_frame_ol_v2.tex", label = "table:resout_frame_ol")
```

Ordinal Logit: Conditional Effect Sizes

```
quantile(d$ide_self, probs=c(0.05,0.5,0.95))
```

Baseline Models (Figure F.4)

```
##  5% 50% 95%
##  -2   0   2
```

```
## Self-reported Ideology ##

tmp1 <- polr(as.ordered(limitexp1) ~
               frame_right * I(ide_self+2),
             data=d, Hess = TRUE)
summary(tmp1)
```

```
## Call:
## polr(formula = as.ordered(limitexp1) ~ frame_right * I(ide_self +
##     2), data = d, Hess = TRUE)
##
## Coefficients:
##                                Value Std. Error t value
## frame_right                 -1.36000    0.23393 -5.8138
## I(ide_self + 2)             -0.04295    0.07051 -0.6092
## frame_right:I(ide_self + 2)  0.49489    0.09950  4.9738
##
## Intercepts:
##     Value    Std. Error t value
## 0|1  -2.9720   0.1940   -15.3209
## 1|2  -1.0834   0.1703    -6.3606
## 2|3  -0.2491   0.1679    -1.4838
## 3|4   3.0736   0.2092    14.6909
##
## Residual Deviance: 3846.743
## AIC: 3860.743
## (43 observations deleted due to missingness)
```

```
coeftest(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_id))
```

```
##
## t test of coefficients:
##
##                               Estimate Std. Error t value  Pr(>|t|)
```

```
## frame_right                 -1.360005   0.257222 -5.2873 1.428e-07 ***
## I(ide_self + 2)             -0.042954   0.082756 -0.5190    0.6038
## frame_right:I(ide_self + 2)  0.494893   0.109232  4.5306 6.354e-06 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
tmp1c_se <- sqrt(diag(vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_id)))
tmp1c_p <- pnorm(-abs(summary(tmp1)$coefficients[,1]/tmp1c_se))*2
tmp2 <- polr(as.ordered(limitexp1) ~
               frame_right * I(ide_self-2), data=d, Hess = TRUE)
summary(tmp2)
```

```
## Call:
## polr(formula = as.ordered(limitexp1) ~ frame_right * I(ide_self -
##     2), data = d, Hess = TRUE)
##
## Coefficients:
##                               Value Std. Error t value
## frame_right                 0.61937    0.20875  2.9670
## I(ide_self - 2)            -0.04288    0.07051 -0.6082
## frame_right:I(ide_self - 2)  0.49484    0.09950  4.9732
##
## Intercepts:
##     Value    Std. Error t value
## 0|1  -2.8002   0.1758   -15.9271
## 1|2  -0.9118   0.1494    -6.1029
## 2|3  -0.0775   0.1475    -0.5251
## 3|4   3.2453   0.1961    16.5458
##
## Residual Deviance: 3846.743
## AIC: 3860.743
## (43 observations deleted due to missingness)
```

```
coeftest(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_id))
```

```
##
## t test of coefficients:
##
##                               Estimate Std. Error t value  Pr(>|t|)
## frame_right                  0.619369   0.220567  2.8081  0.005049 **
## I(ide_self - 2)             -0.042884   0.082757 -0.5182  0.604402
## frame_right:I(ide_self - 2)  0.494836   0.109232  4.5301 6.369e-06 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
tmp2c_se <- sqrt(diag(vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_id)))
tmp2c_p <- pnorm(-abs(summary(tmp2)$coefficients[,1]/tmp2c_se))*2

tmpdt <-
  rbind(c(mbf01$coefficients[1],mbf01c_se[1],
          coefci(mbf01, vcov.=vcovCL(mbf01,cluster=na.omit(d[,c("start_id",all.vars(mbf01$terms))])$sta
          coefci(mbf01, vcov.=vcovCL(mbf01,cluster=na.omit(d[,c("start_id",all.vars(mbf01$terms))])$sta
        c(tmp1$coefficients[1],tmp1c_se[1],
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_
        c(tmp2$coefficients[1],tmp2c_se[1],
```

```
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_

tmpdt <- as.data.frame(tmpdt)
colnames(tmpdt) <- c("cf","se","lci","uci","lci90","uci90")

mbf01dt <- tmpdt
mbf01dt$type <- "Self-reported"
mbf01dt$value <- c("Neut.\n(50%)","Left\n(5%)","Right\n(95%)")
mbf01dt
```

```
##           cf         se        lci        uci      lci90      uci90          type        value
## 1 -0.3702387 0.09838578 -0.5632294 -0.1772480 -0.5321705 -0.2083069 Self-reported Neut.\n(50%)
## 2 -1.3600050 0.25722152 -1.8645633 -0.8554466 -1.7833622 -0.9366477 Self-reported   Left\n(5%)
## 3  0.6193694 0.22056656  0.1867123  1.0520264  0.2563420  0.9823968 Self-reported Right\n(95%)
```

```
## Issue Ideology (National Security) ##

quantile(d$ide_iss_1, probs = c(0.05, 0.5, 0.95))
```

```
##          5%         50%         95%
## -1.89504357 -0.03456401  2.02020691
```

```
tmp1 <- polr(as.ordered(limitexp1) ~
               frame_right * I(ide_iss_1+1.9) +
               frame_right * ide_iss_2,
             data=d, Hess = TRUE)
summary(tmp1)
```

```
## Call:
## polr(formula = as.ordered(limitexp1) ~ frame_right * I(ide_iss_1 +
##     1.9) + frame_right * ide_iss_2, data = d, Hess = TRUE)
##
## Coefficients:
##                                    Value Std. Error t value
## frame_right                    -1.00301    0.19977 -5.0207
## I(ide_iss_1 + 1.9)              0.05511    0.06336  0.8698
## ide_iss_2                      -0.13323    0.06226 -2.1398
## frame_right:I(ide_iss_1 + 1.9)  0.37921    0.09258  4.0959
## frame_right:ide_iss_2           0.53771    0.08828  6.0911
##
## Intercepts:
##     Value    Std. Error t value
## 0|1  -2.8400   0.1724   -16.4775
## 1|2  -0.9019   0.1440    -6.2618
## 2|3  -0.0439   0.1415    -0.3106
## 3|4   3.3373   0.1929    17.2982
##
## Residual Deviance: 3791.15
## AIC: 3809.15
## (43 observations deleted due to missingness)
```

```
coeftest(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_id))
```

```
##
## t test of coefficients:
```

```
##
##                                Estimate Std. Error t value  Pr(>|t|)
## frame_right                   -1.003010   0.212402 -4.7222 2.555e-06 ***
## I(ide_iss_1 + 1.9)             0.055113   0.071015  0.7761 0.4378345
## ide_iss_2                     -0.133229   0.066114 -2.0151 0.0440720 *
## frame_right:I(ide_iss_1 + 1.9)  0.379207   0.100032  3.7909 0.0001562 ***
## frame_right:ide_iss_2          0.537714   0.093251  5.7663 9.854e-09 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
tmp1c_se <- sqrt(diag(vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_id)))
tmp1c_p <- pnorm(-abs(summary(tmp1)$coefficients[,1]/tmp1c_se))*2
tmp2 <- polr(as.ordered(limitexp1) ~
               frame_right * I(ide_iss_1-2) +
               frame_right * ide_iss_2,
             data=d, Hess = TRUE)
summary(tmp2)
```

```
## Call:
## polr(formula = as.ordered(limitexp1) ~ frame_right * I(ide_iss_1 -
##     2) + frame_right * ide_iss_2, data = d, Hess = TRUE)
##
## Coefficients:
##                                 Value Std. Error t value
## frame_right                   0.47585    0.21049  2.2607
## I(ide_iss_1 - 2)              0.05513    0.06336  0.8701
## ide_iss_2                    -0.13323    0.06226 -2.1398
## frame_right:I(ide_iss_1 - 2)  0.37918    0.09258  4.0955
## frame_right:ide_iss_2         0.53771    0.08828  6.0910
##
## Intercepts:
##     Value    Std. Error t value
## 0|1  -3.0549   0.1740   -17.5538
## 1|2  -1.1169   0.1458    -7.6593
## 2|3  -0.2589   0.1433    -1.8069
## 3|4   3.1224   0.1918    16.2822
##
## Residual Deviance: 3791.15
## AIC: 3809.15
## (43 observations deleted due to missingness)
```

```
coeftest(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_id))
```

```
##
## t test of coefficients:
##
##                                Estimate Std. Error t value  Pr(>|t|)
## frame_right                   0.475854   0.223757  2.1267 0.0336146 *
## I(ide_iss_1 - 2)              0.055134   0.071016  0.7764 0.4376549
## ide_iss_2                    -0.133231   0.066115 -2.0152 0.0440696 *
## frame_right:I(ide_iss_1 - 2)  0.379177   0.100032  3.7906 0.0001564 ***
## frame_right:ide_iss_2         0.537709   0.093251  5.7662 9.858e-09 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
tmp2c_se <- sqrt(diag(vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_id)))
tmp2c_p <- pnorm(-abs(summary(tmp2)$coefficients[,1]/tmp2c_se))*2

tmpdt <-
  rbind(c(mbf02$coefficients[1],mbf02c_se[1],
          coefci(mbf02, vcov.=vcovCL(mbf02,cluster=na.omit(d[,c("start_id",all.vars(mbf02$terms))])$sta
          coefci(mbf02, vcov.=vcovCL(mbf02,cluster=na.omit(d[,c("start_id",all.vars(mbf02$terms))])$sta
        c(tmp1$coefficients[1],tmp1c_se[1],
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_
        c(tmp2$coefficients[1],tmp2c_se[1],
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_

tmpdt <- as.data.frame(tmpdt)
colnames(tmpdt) <- c("cf","se","lci","uci","lci90","uci90")

mbf02adt <- tmpdt
mbf02adt$type <- "National\nSecurity"
mbf02adt$value <- c("Neut.\n(50%)","Left\n(5%)","Right\n(95%)")
mbf02adt
```

```
##           cf         se        lci         uci      lci90      uci90               type        value
## 1 -0.2824829 0.09748537 -0.4737077 -0.09125821 -0.4429329 -0.1220330 National\nSecurity Neut.\n(50%)
## 2 -1.0030102 0.21240200 -1.4196523 -0.58636804 -1.3526000 -0.6534204 National\nSecurity   Left\n(5%)
## 3  0.4758541 0.22375740  0.0369375  0.91477071  0.1075746  0.8441336 National\nSecurity Right\n(95%)
```

```
## Issue Ideology (Equality) ##

quantile(d$ide_iss_2, probs = c(0.05,0.5,0.95))
```

```
##          5%         50%         95%
## -1.72973639 -0.01950903  2.06652041
```

```
tmp1 <- polr(as.ordered(limitexp1) ~
               frame_right * ide_iss_1 +
               frame_right * I(ide_iss_2+1.7),
             data=d, Hess = TRUE)
summary(tmp1)
```

```
## Call:
## polr(formula = as.ordered(limitexp1) ~ frame_right * ide_iss_1 +
##     frame_right * I(ide_iss_2 + 1.7), data = d, Hess = TRUE)
##
## Coefficients:
##                                    Value Std. Error t value
## frame_right                    -1.19666    0.17828 -6.7124
## ide_iss_1                       0.05514    0.06337  0.8702
## I(ide_iss_2 + 1.7)             -0.13323    0.06226 -2.1398
## frame_right:ide_iss_1           0.37918    0.09258  4.0955
## frame_right:I(ide_iss_2 + 1.7)  0.53773    0.08828  6.0912
##
## Intercepts:
##     Value    Std. Error t value
## 0|1  -3.1712   0.1633   -19.4194
```

```
## 1|2  -1.2331   0.1320    -9.3449
## 2|3  -0.3752   0.1277    -2.9372
## 3|4   3.0062   0.1790    16.7920
##
## Residual Deviance: 3791.15
## AIC: 3809.15
## (43 observations deleted due to missingness)
```

```
coeftest(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_id))
```

```
##
## t test of coefficients:
##
##                                Estimate Std. Error t value  Pr(>|t|)
## frame_right                   -1.196655   0.187167 -6.3935 2.170e-10 ***
## ide_iss_1                      0.055138   0.071017  0.7764 0.4376305
## I(ide_iss_2 + 1.7)            -0.133231   0.066116 -2.0151 0.0440739 *
## frame_right:ide_iss_1          0.379175   0.100034  3.7905 0.0001564 ***
## frame_right:I(ide_iss_2 + 1.7)  0.537730   0.093253  5.7663 9.852e-09 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
tmp1c_se <- sqrt(diag(vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_id)))
tmp1c_p <- pnorm(-abs(summary(tmp1)$coefficients[,1]/tmp1c_se))*2
tmp2 <- polr(as.ordered(limitexp1) ~
               frame_right * ide_iss_1 +
               frame_right * I(ide_iss_2-2.1),
             data=d, Hess = TRUE)
summary(tmp2)
```

```
## Call:
## polr(formula = as.ordered(limitexp1) ~ frame_right * ide_iss_1 +
##     frame_right * I(ide_iss_2 - 2.1), data = d, Hess = TRUE)
##
## Coefficients:
##                                  Value Std. Error t value
## frame_right                    0.84667    0.21005   4.031
## ide_iss_1                      0.05513    0.06337   0.870
## I(ide_iss_2 - 2.1)            -0.13322    0.06226  -2.140
## frame_right:ide_iss_1          0.37919    0.09258   4.096
## frame_right:I(ide_iss_2 - 2.1)  0.53770    0.08828   6.091
##
## Intercepts:
##     Value    Std. Error t value
## 0|1  -2.6649   0.1759   -15.1540
## 1|2  -0.7269   0.1492    -4.8726
## 2|3   0.1311   0.1483     0.8838
## 3|4   3.5124   0.1999    17.5715
##
## Residual Deviance: 3791.15
## AIC: 3809.15
## (43 observations deleted due to missingness)
```

```
coeftest(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_id))
```

```
##
```

```
## t test of coefficients:
##
##                                 Estimate Std. Error t value  Pr(>|t|)
## frame_right                     0.846669   0.217632  3.8904 0.0001046 ***
## ide_iss_1                       0.055129   0.071016  0.7763 0.4377005
## I(ide_iss_2 - 2.1)             -0.133217   0.066116 -2.0149 0.0440954 *
## frame_right:ide_iss_1           0.379185   0.100033  3.7906 0.0001563 ***
## frame_right:I(ide_iss_2 - 2.1)  0.537704   0.093252  5.7661 9.864e-09 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
tmp2c_se <- sqrt(diag(vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_id)))
tmp2c_p <- pnorm(-abs(summary(tmp2)$coefficients[,1]/tmp2c_se))*2

tmpdt <-
  rbind(c(mbf02$coefficients[1],mbf02c_se[1],
          coefci(mbf02, vcov.=vcovCL(mbf02,cluster=na.omit(d[,c("start_id",all.vars(mbf02$terms))])$sta
          coefci(mbf02, vcov.=vcovCL(mbf02,cluster=na.omit(d[,c("start_id",all.vars(mbf02$terms))])$sta
        c(tmp1$coefficients[1],tmp1c_se[1],
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_
        c(tmp2$coefficients[1],tmp2c_se[1],
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_

tmpdt <- as.data.frame(tmpdt)
colnames(tmpdt) <- c("cf","se","lci","uci","lci90","uci90")

mbf02bdt <- tmpdt
mbf02bdt$type <- "Equality"
mbf02bdt$value <- c("Neut.\n(50%)","Left\n(5%)","Right\n(95%)")
mbf02bdt
```

```
##           cf         se        lci         uci      lci90      uci90     type        value
## 1 -0.2824829 0.09748537 -0.4737077 -0.09125821 -0.4429329 -0.1220330 Equality Neut.\n(50%)
## 2 -1.1966553 0.18716653 -1.5637962 -0.82951436 -1.5047103 -0.8886003 Equality   Left\n(5%)
## 3  0.8466688 0.21763236  0.4197669  1.27357065  0.4884704  1.2048671 Equality Right\n(95%)
```

```
## Party Support Ideology ##

tmp1 <- polr(as.ordered(limitexp1) ~
               frame_right * ifelse(left_psup==0&right_psup==0,1,0) +
               frame_right * right_psup,
             data=d, Hess = TRUE)
summary(tmp1)
```

```
## Call:
## polr(formula = as.ordered(limitexp1) ~ frame_right * ifelse(left_psup ==
##     0 & right_psup == 0, 1, 0) + frame_right * right_psup, data = d,
##     Hess = TRUE)
##
## Coefficients:
##                                                      Value Std. Error t value
## frame_right                                        -0.9640     0.2731 -3.5300
## ifelse(left_psup == 0 & right_psup == 0, 1, 0)      0.1109     0.2160  0.5136
## right_psup                                          0.2838     0.2265  1.2531
```

```
## frame_right:ifelse(left_psup == 0 & right_psup == 0, 1, 0)  0.6533     0.3031  2.1551
## frame_right:right_psup                                      0.9130     0.3186  2.8652
##
## Intercepts:
##     Value    Std. Error t value
## 0|1  -2.7105   0.2166   -12.5149
## 1|2  -0.8269   0.1972    -4.1938
## 2|3   0.0006   0.1961     0.0032
## 3|4   3.3039   0.2338    14.1290
##
## Residual Deviance: 3858.311
## AIC: 3876.311
## (43 observations deleted due to missingness)
```

```
coeftest(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_id))
```

```
##
## t test of coefficients:
##
##                                                             Estimate Std. Error t value Pr(>|t|)
## frame_right                                                -0.96403    0.31363 -3.0737 0.002153 **
## ifelse(left_psup == 0 & right_psup == 0, 1, 0)              0.11091    0.24594  0.4510 0.652064
## right_psup                                                  0.28383    0.25813  1.0996 0.271692
## frame_right:ifelse(left_psup == 0 & right_psup == 0, 1, 0)  0.65325    0.33735  1.9364 0.053006 .
## frame_right:right_psup                                      0.91300    0.35663  2.5601 0.010563 *
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
tmp1c_se <- sqrt(diag(vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_id)))
tmp1c_p <- pnorm(-abs(summary(tmp1)$coefficients[,1]/tmp1c_se))*2
tmp2 <- polr(as.ordered(limitexp1) ~
               frame_right * left_psup +
               frame_right * ifelse(left_psup==0&right_psup==0,1,0),
             data=d, Hess = TRUE)
summary(tmp2)
```

```
## Call:
## polr(formula = as.ordered(limitexp1) ~ frame_right * left_psup +
##     frame_right * ifelse(left_psup == 0 & right_psup == 0, 1,
##         0), data = d, Hess = TRUE)
##
## Coefficients:
##                                                               Value Std. Error t value
## frame_right                                                -0.05102     0.1643 -0.3106
## left_psup                                                  -0.28376     0.2265 -1.2528
## ifelse(left_psup == 0 & right_psup == 0, 1, 0)             -0.17290     0.1481 -1.1677
## frame_right:left_psup                                      -0.91313     0.3187 -2.8656
## frame_right:ifelse(left_psup == 0 & right_psup == 0, 1, 0) -0.25979     0.2111 -1.2307
##
## Intercepts:
##     Value    Std. Error t value
## 0|1  -2.9944   0.1518   -19.7310
## 1|2  -1.1107   0.1200    -9.2589
## 2|3  -0.2832   0.1168    -2.4236
## 3|4   3.0202   0.1706    17.7071
```

```
##
## Residual Deviance: 3858.311
## AIC: 3876.311
## (43 observations deleted due to missingness)
```

```
coeftest(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_id))
```

```
##
## t test of coefficients:
##
##                                                          Estimate Std. Error t value Pr(>|t|)
## frame_right                                             -0.051024   0.168393 -0.3030  0.76193
## left_psup                                               -0.283756   0.258133 -1.0993  0.27183
## ifelse(left_psup == 0 & right_psup == 0, 1, 0)          -0.172895   0.143224 -1.2072  0.22756
## frame_right:left_psup                                   -0.913132   0.356630 -2.5604  0.01055 *
## frame_right:ifelse(left_psup == 0 & right_psup == 0, 1, 0) -0.259791   0.210522 -1.2340  0.21739
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
tmp2c_se <- sqrt(diag(vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_id)))
tmp2c_p <- pnorm(-abs(summary(tmp2)$coefficients[,1]/tmp2c_se))*2

tmpdt <-
  rbind(c(mbf03$coefficients[1],mbf03c_se[1],
          coefci(mbf03, vcov.=vcovCL(mbf03,cluster=na.omit(d[,c("start_id",all.vars(mbf03$terms))])$sta
          coefci(mbf03, vcov.=vcovCL(mbf03,cluster=na.omit(d[,c("start_id",all.vars(mbf03$terms))])$sta
        c(tmp1$coefficients[1],tmp1c_se[1],
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_
        c(tmp2$coefficients[1],tmp2c_se[1],
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_

tmpdt <- as.data.frame(tmpdt)
colnames(tmpdt) <- c("cf","se","lci","uci","lci90","uci90")

mbf03dt <- tmpdt
mbf03dt$type <- "Party"
mbf03dt$value <- c("Neither","Left\nParty","Right\nParty")
mbf03dt
```

```
##            cf        se        lci         uci      lci90      uci90  type        value
## 1 -0.31077969 0.1256677 -0.5572862 -0.06427316 -0.5176146 -0.1039447 Party      Neither
## 2 -0.96402645 0.3136321 -1.5792389 -0.34881404 -1.4802295 -0.4478234 Party  Left\nParty
## 3 -0.05102446 0.1683926 -0.3813389  0.27929000 -0.3281797  0.2261308 Party Right\nParty
```

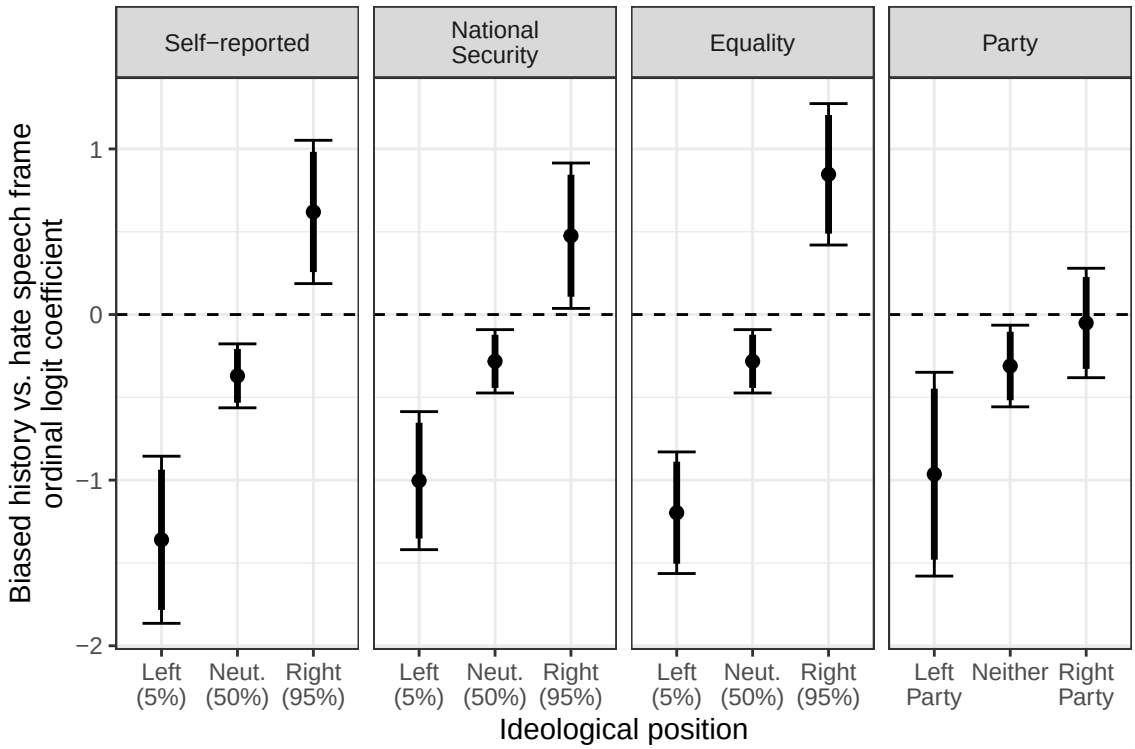
```
## Combine Data ##

mbfdt <- rbind(mbf01dt,mbf02adt,mbf02bdt,mbf03dt)
mbfdt$type <- factor(mbfdt$type, unique(mbfdt$type))
unique(mbfdt$value)
```

```
## [1] "Neut.\n(50%)" "Left\n(5%)"   "Right\n(95%)" "Neither"      "Left\nParty"  "Right\nParty"
```

```
mbfdt$value <- factor(mbfdt$value, c("Left\n(5%)", "Left\nParty",
                                     "Neut.\n(50%)", "Neither",
                                     "Right\n(95%)", "Right\nParty"))
```

```
write.csv(mbfdt, row.names = F, file = "../out/effect_frame_ol_base_v2.csv")

## Plot of Conditional Framing Effect ##

require(ggplot2)

p <- ggplot(mbfdt, aes(x=value,y=cf)) +
  geom_hline(aes(yintercept=0), linetype=2) +
  geom_errorbar(aes(ymin=lci,ymax=uci), width=0.5) +
  geom_errorbar(aes(ymin=lci90,ymax=uci90), width=0, size=1.2) +
  geom_point(size=2) +
  facet_grid(.~type, scales = "free_x") +
  labs(x="Ideological position", y="Biased history vs. hate speech frame\nordinal logit coefficient") +
  theme_bw()
```

```
p
```




```
ggsave("../out/effect_frame_ol_base_v2.pdf", width=6, height=4)
ggsave("../out/effect_frame_ol_base_v2.png", width=6, height=4)
```

```
quantile(d$ide_self, probs=c(0.05,0.5,0.95))
```

Extended Models (Figure F.5)

```
##  5% 50% 95%
##  -2   0   2
```

```
## Self-reported Ideology ##

tmp1 <- polr(as.ordered(limitexp1) ~
```

```
              frame_right * I(ide_self+2) +
              fem + age + inccat + educat + employed + knall + csup + eqview + hmview,
            data=d, Hess = TRUE)
summary(tmp1)
```

```
## Call:
## polr(formula = as.ordered(limitexp1) ~ frame_right * I(ide_self +
##     2) + fem + age + inccat + educat + employed + knall + csup +
##     eqview + hmview, data = d, Hess = TRUE)
##
## Coefficients:
##                                 Value Std. Error  t value
## frame_right                 -1.326148   0.236373 -5.61040
## I(ide_self + 2)             -0.084677   0.072430 -1.16908
## fem                          0.161022   0.106133  1.51717
## age                          0.006271   0.004812  1.30331
## inccatMiddle (>=4m,<8m)     -0.062894   0.117076 -0.53720
## inccatHigh (>=8m)           -0.050320   0.156593 -0.32134
## inccatMissing                0.154609   0.160365  0.96411
## educat>SHS & <University     0.018194   0.165204  0.11013
## educat>=University          -0.150139   0.137657 -1.09067
## employed                     0.001177   0.114139  0.01031
## knall                       -0.134523   0.185149 -0.72656
## csup                         0.388594   0.113729  3.41684
## eqview                       0.380091   0.225055  1.68888
## hmview                       0.454323   0.250086  1.81666
## frame_right:I(ide_self + 2)  0.484498   0.100489  4.82142
##
## Intercepts:
##     Value   Std. Error t value
## 0|1 -2.2977  0.3591    -6.3987
## 1|2 -0.3985  0.3498    -1.1393
## 2|3  0.4347  0.3497     1.2429
## 3|4  3.7909  0.3742    10.1311
##
## Residual Deviance: 3739.522
## AIC: 3777.522
## (73 observations deleted due to missingness)
```

```
coeftest(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_id))
```

```
##
## t test of coefficients:
##
##                               Estimate Std. Error t value  Pr(>|t|)
## frame_right                 -1.3261479  0.2584509 -5.1311 3.274e-07 ***
## I(ide_self + 2)             -0.0846770  0.0841561 -1.0062 0.3144943
## fem                          0.1610219  0.1092560  1.4738 0.1407537
## age                          0.0062712  0.0049104  1.2771 0.2017664
## inccatMiddle (>=4m,<8m)     -0.0628937  0.1176873 -0.5344 0.5931381
## inccatHigh (>=8m)           -0.0503200  0.1595743 -0.3153 0.7525503
## inccatMissing                0.1546091  0.1540937  1.0033 0.3158640
## educat>SHS & <University     0.0181936  0.1689209  0.1077 0.9142450
## educat>=University          -0.1501388  0.1398405 -1.0736 0.2831633
```

```
## employed                     0.0011767  0.1096987  0.0107 0.9914434
## knall                       -0.1345227  0.1831816 -0.7344 0.4628444
## csup                         0.3885936  0.1151452  3.3748 0.0007584 ***
## eqview                       0.3800906  0.2451194  1.5506 0.1212099
## hmview                       0.4543225  0.2650614  1.7140 0.0867396 .
## frame_right:I(ide_self + 2)  0.4844975  0.1098787  4.4094 1.114e-05 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
tmp1c_se <- sqrt(diag(vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_id)))
tmp1c_p <- pnorm(-abs(summary(tmp1)$coefficients[,1]/tmp1c_se))*2
tmp2 <- polr(as.ordered(limitexp1) ~
               frame_right * I(ide_self-2) +
               fem + age + inccat + educat + employed + knall + csup + eqview + hmview, data=d, Hess = 
summary(tmp2)
```

```
## Call:
## polr(formula = as.ordered(limitexp1) ~ frame_right * I(ide_self -
##     2) + fem + age + inccat + educat + employed + knall + csup +
##     eqview + hmview, data = d, Hess = TRUE)
##
## Coefficients:
##                                Value Std. Error  t value
## frame_right                 0.611844   0.211278  2.89591
## I(ide_self - 2)            -0.084677   0.072430 -1.16907
## fem                         0.161023   0.106133  1.51719
## age                         0.006271   0.004812  1.30338
## inccatMiddle (>=4m,<8m)    -0.062894   0.117076 -0.53721
## inccatHigh (>=8m)          -0.050317   0.156593 -0.32133
## inccatMissing               0.154612   0.160365  0.96412
## educat>SHS & <University    0.018177   0.165204  0.11002
## educat>=University         -0.150153   0.137657 -1.09078
## employed                    0.001178   0.114139  0.01032
## knall                      -0.134519   0.185150 -0.72654
## csup                        0.388598   0.113729  3.41687
## eqview                      0.380092   0.225055  1.68888
## hmview                      0.454331   0.250087  1.81670
## frame_right:I(ide_self - 2)  0.484499   0.100489  4.82143
##
## Intercepts:
##     Value   Std. Error t value
## 0|1 -1.9590  0.3614    -5.4199
## 1|2 -0.0598  0.3525    -0.1697
## 2|3  0.7734  0.3529     2.1913
## 3|4  4.1297  0.3797    10.8753
##
## Residual Deviance: 3739.522
## AIC: 3777.522
## (73 observations deleted due to missingness)
```

```
coeftest(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_id))
```

```
##
## t test of coefficients:
##
```

```
##                                Estimate Std. Error t value  Pr(>|t|)
## frame_right                   0.6118438  0.2231860  2.7414 0.0061936 **
## I(ide_self - 2)              -0.0846765  0.0841562 -1.0062 0.3144976
## fem                           0.1610232  0.1092562  1.4738 0.1407511
## age                           0.0062715  0.0049104  1.2772 0.2017458
## inccatMiddle (>=4m,<8m)      -0.0628944  0.1176875 -0.5344 0.5931347
## inccatHigh (>=8m)            -0.0503172  0.1595746 -0.3153 0.7525641
## inccatMissing                 0.1546116  0.1540940  1.0034 0.3158569
## educat>SHS & <University      0.0181765  0.1689213  0.1076 0.9143253
## educat>=University           -0.1501530  0.1398409 -1.0737 0.2831193
## employed                      0.0011776  0.1096988  0.0107 0.9914362
## knall                        -0.1345190  0.1831820 -0.7343 0.4628576
## csup                          0.3885981  0.1151454  3.3748 0.0007583 ***
## eqview                        0.3800919  0.2451198  1.5506 0.1212092
## hmview                        0.4543314  0.2650620  1.7141 0.0867342 .
## frame_right:I(ide_self - 2)  0.4844993  0.1098789  4.4094 1.114e-05 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
tmp2c_se <- sqrt(diag(vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_id)))
tmp2c_p <- pnorm(-abs(summary(tmp2)$coefficients[,1]/tmp2c_se))*2

tmpdt <-
  rbind(c(mf01$coefficients[1],mf01c_se[1],
          coefci(mf01, vcov.=vcovCL(mf01,cluster=na.omit(d[,c("start_id",all.vars(mf01$terms))])$start_
          coefci(mf01, vcov.=vcovCL(mf01,cluster=na.omit(d[,c("start_id",all.vars(mf01$terms))])$start_
        c(tmp1$coefficients[1],tmp1c_se[1],
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_
        c(tmp2$coefficients[1],tmp2c_se[1],
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_

tmpdt <- as.data.frame(tmpdt)
colnames(tmpdt) <- c("cf","se","lci","uci","lci90","uci90")

mf01dt <- tmpdt
mf01dt$type <- "Self-reported"
mf01dt$value <- c("Neut.\n(50%)","Left\n(5%)","Right\n(95%)")
mf01dt
```

```
##           cf        se        lci        uci      lci90      uci90          type        value
## 1 -0.3571531 0.1000552 -0.5534232 -0.1608830 -0.5218355 -0.1924707 Self-reported Neut.\n(50%)
## 2 -1.3261479 0.2584509 -1.8331301 -0.8191658 -1.7515365 -0.9007593 Self-reported   Left\n(5%)
## 3  0.6118438 0.2231860  0.1740379  1.0496497  0.2444983  0.9791893 Self-reported Right\n(95%)
```

```
## Issue Ideology (National Security) ##

quantile(d$ide_iss_1, probs = c(0.05, 0.5, 0.95))
```

```
##          5%         50%         95%
## -1.89504357 -0.03456401  2.02020691
```

```
tmp1 <- polr(as.ordered(limitexp1) ~
               frame_right * I(ide_iss_1+1.9) +
               frame_right * ide_iss_2 +
```

```
              fem + age + inccat + educat + employed + knall + csup + eqview + hmview,
            data=d, Hess = TRUE)
summary(tmp1)
```

```
## Call:
## polr(formula = as.ordered(limitexp1) ~ frame_right * I(ide_iss_1 +
##     1.9) + frame_right * ide_iss_2 + fem + age + inccat + educat +
##     employed + knall + csup + eqview + hmview, data = d, Hess = TRUE)
##
## Coefficients:
##                                    Value Std. Error t value
## frame_right                     -0.931998   0.202411 -4.6045
## I(ide_iss_1 + 1.9)               0.046700   0.068748  0.6793
## ide_iss_2                       -0.116114   0.065405 -1.7753
## fem                              0.280077   0.110469  2.5353
## age                              0.003854   0.004971  0.7752
## inccatMiddle (>=4m,<8m)         -0.082106   0.117782 -0.6971
## inccatHigh (>=8m)               -0.054799   0.156798 -0.3495
## inccatMissing                    0.174737   0.160803  1.0867
## educat>SHS & <University         0.055316   0.166086  0.3331
## educat>=University              -0.087817   0.138213 -0.6354
## employed                         0.011853   0.114516  0.1035
## knall                           -0.129385   0.185854 -0.6962
## csup                             0.260517   0.117933  2.2090
## eqview                           0.392657   0.226785  1.7314
## hmview                           0.397388   0.257113  1.5456
## frame_right:I(ide_iss_1 + 1.9)   0.343213   0.093869  3.6563
## frame_right:ide_iss_2            0.541164   0.089702  6.0329
##
## Intercepts:
##     Value   Std. Error t value
## 0|1 -2.1554  0.3507    -6.1466
## 1|2 -0.2046  0.3406    -0.6006
## 2|3  0.6513  0.3408     1.9111
## 3|4  4.0613  0.3689    11.0097
##
## Residual Deviance: 3689.369
## AIC: 3731.369
## (73 observations deleted due to missingness)
```

```
coeftest(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_id))
```

```
##
## t test of coefficients:
##
##                                  Estimate Std. Error t value  Pr(>|t|)
## frame_right                    -0.9319981  0.2171384 -4.2922 1.888e-05 ***
## I(ide_iss_1 + 1.9)              0.0466999  0.0794447  0.5878 0.5567396
## ide_iss_2                      -0.1161136  0.0702553 -1.6527 0.0986035 .
## fem                             0.2800768  0.1158206  2.4182 0.0157217 *
## age                             0.0038538  0.0051117  0.7539 0.4510244
## inccatMiddle (>=4m,<8m)        -0.0821059  0.1191350 -0.6892 0.4908192
## inccatHigh (>=8m)              -0.0547993  0.1576348 -0.3476 0.7281656
## inccatMissing                   0.1747373  0.1541211  1.1338 0.2570820
```

```
## educat>SHS & <University        0.0553159  0.1713812  0.3228 0.7469199
## educat>=University             -0.0878171  0.1394383 -0.6298 0.5289312
## employed                        0.0118526  0.1108723  0.1069 0.9148809
## knall                          -0.1293852  0.1831681 -0.7064 0.4800702
## csup                            0.2605169  0.1171357  2.2241 0.0262996 *
## eqview                          0.3926570  0.2504464  1.5678 0.1171419
## hmview                          0.3973885  0.2747148  1.4465 0.1482419
## frame_right:I(ide_iss_1 + 1.9)  0.3432134  0.1031517  3.3273 0.0008992 ***
## frame_right:ide_iss_2           0.5411635  0.0957772  5.6502 1.930e-08 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
tmp1c_se <- sqrt(diag(vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_id)))
tmp1c_p <- pnorm(-abs(summary(tmp1)$coefficients[,1]/tmp1c_se))*2
tmp2 <- polr(as.ordered(limitexp1) ~
               frame_right * I(ide_iss_1-2) +
               frame_right * ide_iss_2 +
               fem + age + inccat + educat + employed + knall + csup + eqview + hmview,
             data=d, Hess = TRUE)
summary(tmp2)
```

```
## Call:
## polr(formula = as.ordered(limitexp1) ~ frame_right * I(ide_iss_1 -
##     2) + frame_right * ide_iss_2 + fem + age + inccat + educat +
##     employed + knall + csup + eqview + hmview, data = d, Hess = TRUE)
##
## Coefficients:
##                                  Value Std. Error t value
## frame_right                   0.406538   0.213698  1.9024
## I(ide_iss_1 - 2)              0.046706   0.068749  0.6794
## ide_iss_2                    -0.116121   0.065406 -1.7754
## fem                           0.280060   0.110470  2.5352
## age                           0.003856   0.004971  0.7757
## inccatMiddle (>=4m,<8m)      -0.082086   0.117782 -0.6969
## inccatHigh (>=8m)            -0.054805   0.156798 -0.3495
## inccatMissing                 0.174749   0.160803  1.0867
## educat>SHS & <University      0.055304   0.166087  0.3330
## educat>=University           -0.087817   0.138213 -0.6354
## employed                      0.011845   0.114516  0.1034
## knall                        -0.129411   0.185855 -0.6963
## csup                          0.260517   0.117934  2.2090
## eqview                        0.392684   0.226786  1.7315
## hmview                        0.397413   0.257114  1.5457
## frame_right:I(ide_iss_1 - 2)  0.343213   0.093869  3.6563
## frame_right:ide_iss_2         0.541150   0.089702  6.0328
##
## Intercepts:
##     Value   Std. Error t value
## 0|1 -2.3374  0.3668    -6.3724
## 1|2 -0.3866  0.3568    -1.0837
## 2|3  0.4693  0.3569     1.3149
## 3|4  3.8793  0.3832    10.1233
##
## Residual Deviance: 3689.369
## AIC: 3731.369
```

```
## (73 observations deleted due to missingness)
```

```
coeftest(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_id))
```

```
##
## t test of coefficients:
##
##                               Estimate Std. Error t value  Pr(>|t|)
## frame_right                  0.4065383  0.2312834  1.7577 0.0790036 .
## I(ide_iss_1 - 2)             0.0467057  0.0794456  0.5879 0.5566956
## ide_iss_2                   -0.1161215  0.0702562 -1.6528 0.0985848 .
## fem                          0.2800596  0.1158218  2.4180 0.0157292 *
## age                          0.0038565  0.0051118  0.7544 0.4507191
## inccatMiddle (>=4m,<8m)     -0.0820860  0.1191363 -0.6890 0.4909291
## inccatHigh (>=8m)           -0.0548048  0.1576363 -0.3477 0.7281417
## inccatMissing                0.1747492  0.1541231  1.1338 0.2570561
## educat>SHS & <University     0.0553035  0.1713835  0.3227 0.7469780
## educat>=University          -0.0878175  0.1394404 -0.6298 0.5289358
## employed                     0.0118450  0.1108735  0.1068 0.9149358
## knall                       -0.1294113  0.1831704 -0.7065 0.4799873
## csup                         0.2605167  0.1171372  2.2240 0.0263018 *
## eqview                       0.3926838  0.2504491  1.5679 0.1171210
## hmview                       0.3974132  0.2747179  1.4466 0.1482212
## frame_right:I(ide_iss_1 - 2) 0.3432134  0.1031530  3.3272 0.0008994 ***
## frame_right:ide_iss_2        0.5411499  0.0957782  5.6500 1.932e-08 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
tmp2c_se <- sqrt(diag(vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_id)))
tmp2c_p <- pnorm(-abs(summary(tmp2)$coefficients[,1]/tmp2c_se))*2

tmpdt <-
  rbind(c(mf02$coefficients[1],mf02c_se[1],
          coefci(mf02, vcov.=vcovCL(mf02,cluster=na.omit(d[,c("start_id",all.vars(mf02$terms))])$start_
          coefci(mf02, vcov.=vcovCL(mf02,cluster=na.omit(d[,c("start_id",all.vars(mf02$terms))])$start_
        c(tmp1$coefficients[1],tmp1c_se[1],
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_
        c(tmp2$coefficients[1],tmp2c_se[1],
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_

tmpdt <- as.data.frame(tmpdt)
colnames(tmpdt) <- c("cf","se","lci","uci","lci90","uci90")

mf02adt <- tmpdt
mf02adt$type <- "National\nSecurity"
mf02adt$value <- c("Neut.\n(50%)","Left\n(5%)","Right\n(95%)")
mf02adt
```

```
##           cf         se         lci        uci       lci90      uci90               type        valu
## 1 -0.2798908 0.09902226 -0.47413494 -0.0856467 -0.44287330 -0.1169083 National\nSecurity Neut.\n(50%
## 2 -0.9319981 0.21713843 -1.35794137 -0.5060549 -1.28939008 -0.5746061 National\nSecurity   Left\n(5%
## 3  0.4065383 0.23128342 -0.04715203  0.8602287  0.02586488  0.7872118 National\nSecurity Right\n(95%
```

```r
## Issue Ideology (Equality) ##

quantile(d$ide_iss_2, probs = c(0.05,0.5,0.95))
```

```
##          5%         50%         95%
## -1.72973639 -0.01950903  2.06652041
```

```r
tmp1 <- polr(as.ordered(limitexp1) ~
               frame_right * ide_iss_1 +
               frame_right * I(ide_iss_2+1.7) +
               fem + age + inccat + educat + employed + knall + csup + eqview + hmview,
             data=d, Hess = TRUE)
summary(tmp1)
```

```
## Call:
## polr(formula = as.ordered(limitexp1) ~ frame_right * ide_iss_1 +
##     frame_right * I(ide_iss_2 + 1.7) + fem + age + inccat + educat +
##     employed + knall + csup + eqview + hmview, data = d, Hess = TRUE)
##
## Coefficients:
##                                    Value Std. Error t value
## frame_right                    -1.199869   0.181136 -6.6241
## ide_iss_1                       0.046694   0.068748  0.6792
## I(ide_iss_2 + 1.7)             -0.116113   0.065405 -1.7753
## fem                             0.280077   0.110469  2.5353
## age                             0.003854   0.004971  0.7752
## inccatMiddle (>=4m,<8m)        -0.082112   0.117782 -0.6972
## inccatHigh (>=8m)              -0.054808   0.156797 -0.3495
## inccatMissing                   0.174715   0.160802  1.0865
## educat>SHS & <University        0.055312   0.166086  0.3330
## educat>=University             -0.087822   0.138212 -0.6354
## employed                        0.011854   0.114516  0.1035
## knall                          -0.129390   0.185854 -0.6962
## csup                            0.260513   0.117933  2.2090
## eqview                          0.392667   0.226785  1.7315
## hmview                          0.397352   0.257113  1.5454
## frame_right:ide_iss_1           0.343229   0.093869  3.6565
## frame_right:I(ide_iss_2 + 1.7)  0.541163   0.089701  6.0329
##
## Intercepts:
##     Value   Std. Error t value
## 0|1 -2.4415  0.3496    -6.9845
## 1|2 -0.4907  0.3391    -1.4474
## 2|3  0.3651  0.3387     1.0781
## 3|4  3.7751  0.3653    10.3356
##
## Residual Deviance: 3689.369
## AIC: 3731.369
## (73 observations deleted due to missingness)
```

```r
coeftest(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_id))
```

```
##
## t test of coefficients:
##
```

```
##                                   Estimate Std. Error t value  Pr(>|t|)
## frame_right                      -1.1998692  0.1915253 -6.2648 4.926e-10 ***
## ide_iss_1                         0.0466939  0.0794443  0.5878 0.5567882
## I(ide_iss_2 + 1.7)               -0.1161133  0.0702550 -1.6527 0.0986027 .
## fem                               0.2800772  0.1158202  2.4182 0.0157213 *
## age                               0.0038537  0.0051117  0.7539 0.4510374
## inccatMiddle (>=4m,<8m)          -0.0821115  0.1191347 -0.6892 0.4907887
## inccatHigh (>=8m)                -0.0548077  0.1576343 -0.3477 0.7281249
## inccatMissing                     0.1747155  0.1541202  1.1336 0.2571389
## educat>SHS & <University          0.0553121  0.1713806  0.3227 0.7469360
## educat>=University               -0.0878215  0.1394379 -0.6298 0.5289095
## employed                          0.0118537  0.1108720  0.1069 0.9148728
## knall                            -0.1293896  0.1831675 -0.7064 0.4800539
## csup                              0.2605130  0.1171352  2.2240 0.0263013 *
## eqview                            0.3926673  0.2504458  1.5679 0.1171314
## hmview                            0.3973521  0.2747143  1.4464 0.1482783
## frame_right:ide_iss_1             0.3432287  0.1031514  3.3274 0.0008987 ***
## frame_right:I(ide_iss_2 + 1.7)    0.5411630  0.0957768  5.6503 1.930e-08 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
tmp1c_se <- sqrt(diag(vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_id)))
tmp1c_p <- pnorm(-abs(summary(tmp1)$coefficients[,1]/tmp1c_se))*2
tmp2 <- polr(as.ordered(limitexp1) ~
               frame_right * ide_iss_1 +
               frame_right * I(ide_iss_2-2.1) +
               fem + age + inccat + educat + employed + knall + csup + eqview + hmview,
             data=d, Hess = TRUE)
summary(tmp2)
```

```
## Call:
## polr(formula = as.ordered(limitexp1) ~ frame_right * ide_iss_1 +
##     frame_right * I(ide_iss_2 - 2.1) + fem + age + inccat + educat +
##     employed + knall + csup + eqview + hmview, data = d, Hess = TRUE)
##
## Coefficients:
##                                     Value Std. Error t value
## frame_right                      0.856565   0.213375  4.0144
## ide_iss_1                        0.046697   0.068748  0.6793
## I(ide_iss_2 - 2.1)              -0.116113   0.065405 -1.7753
## fem                              0.280092   0.110470  2.5355
## age                              0.003855   0.004971  0.7754
## inccatMiddle (>=4m,<8m)         -0.082098   0.117782 -0.6970
## inccatHigh (>=8m)               -0.054806   0.156798 -0.3495
## inccatMissing                    0.174721   0.160803  1.0866
## educat>SHS & <University         0.055325   0.166086  0.3331
## educat>=University              -0.087793   0.138213 -0.6352
## employed                         0.011835   0.114516  0.1033
## knall                           -0.129408   0.185854 -0.6963
## csup                             0.260521   0.117934  2.2091
## eqview                           0.392672   0.226785  1.7315
## hmview                           0.397446   0.257113  1.5458
## frame_right:ide_iss_1            0.343215   0.093869  3.6563
## frame_right:I(ide_iss_2 - 2.1)   0.541169   0.089702  6.0330
##
```

```
## Intercepts:
##     Value   Std. Error t value
## 0|1 -2.0002  0.3613    -5.5366
## 1|2 -0.0494  0.3516    -0.1405
## 2|3  0.8065  0.3523     2.2891
## 3|4  4.2165  0.3809    11.0696
##
## Residual Deviance: 3689.369
## AIC: 3731.369
## (73 observations deleted due to missingness)
```

```
coeftest(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_id))
```

```
##
## t test of coefficients:
##
##                                  Estimate Std. Error t value  Pr(>|t|)
## frame_right                     0.8565647  0.2231766  3.8381 0.0001294 ***
## ide_iss_1                       0.0466975  0.0794449  0.5878 0.5567612
## I(ide_iss_2 - 2.1)             -0.1161131  0.0702556 -1.6527 0.0986062 .
## fem                             0.2800923  0.1158210  2.4183 0.0157163 *
## age                             0.0038545  0.0051118  0.7540 0.4509449
## inccatMiddle (>=4m,<8m)        -0.0820977  0.1191354 -0.6891 0.4908639
## inccatHigh (>=8m)              -0.0548061  0.1576353 -0.3477 0.7281340
## inccatMissing                   0.1747211  0.1541215  1.1337 0.2571276
## educat>SHS & <University        0.0553249  0.1713815  0.3228 0.7468806
## educat>=University             -0.0877932  0.1394386 -0.6296 0.5290445
## employed                        0.0118352  0.1108728  0.1067 0.9150058
## knall                          -0.1294080  0.1831687 -0.7065 0.4799943
## csup                            0.2605213  0.1171362  2.2241 0.0262978 *
## eqview                          0.3926715  0.2504472  1.5679 0.1171295
## hmview                          0.3974458  0.2747156  1.4468 0.1481846
## frame_right:ide_iss_1           0.3432152  0.1031520  3.3273 0.0008992 ***
## frame_right:I(ide_iss_2 - 2.1)  0.5411685  0.0957776  5.6503  1.93e-08 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
tmp2c_se <- sqrt(diag(vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_id)))
tmp2c_p <- pnorm(-abs(summary(tmp2)$coefficients[,1]/tmp2c_se))*2

tmpdt <-
  rbind(c(mf02$coefficients[1],mf02c_se[1],
          coefci(mf02, vcov.=vcovCL(mf02,cluster=na.omit(d[,c("start_id",all.vars(mf02$terms))])$start_
          coefci(mf02, vcov.=vcovCL(mf02,cluster=na.omit(d[,c("start_id",all.vars(mf02$terms))])$start_
        c(tmp1$coefficients[1],tmp1c_se[1],
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_
        c(tmp2$coefficients[1],tmp2c_se[1],
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_

tmpdt <- as.data.frame(tmpdt)
colnames(tmpdt) <- c("cf","se","lci","uci","lci90","uci90")

mf02bdt <- tmpdt
```

```
mf02bdt$type <- "Equality"
mf02bdt$value <- c("Neut.\n(50%)","Left\n(5%)","Right\n(95%)")
mf02bdt
```

```
##           cf         se        lci        uci      lci90      uci90     type        value
## 1 -0.2798908 0.09902226 -0.4741349 -0.0856467 -0.4428733 -0.1169083 Equality Neut.\n(50%)
## 2 -1.1998692 0.19152529 -1.5755692 -0.8241692 -1.5151040 -0.8846343 Equality   Left\n(5%)
## 3  0.8565647 0.22317662  0.4187768  1.2943526  0.4892343  1.2238950 Equality Right\n(95%)
```

```
## Party Support Ideology ##

tmp1 <- polr(as.ordered(limitexp1) ~
               frame_right * ifelse(left_psup==0&right_psup==0,1,0) +
               frame_right * right_psup +
               fem + age + inccat + educat + employed + knall + csup + eqview + hmview,
             data=d, Hess = TRUE)
summary(tmp1)
```

```
## Call:
## polr(formula = as.ordered(limitexp1) ~ frame_right * ifelse(left_psup ==
##     0 & right_psup == 0, 1, 0) + frame_right * right_psup + fem +
##     age + inccat + educat + employed + knall + csup + eqview +
##     hmview, data = d, Hess = TRUE)
##
## Coefficients:
##                                                                  Value Std. Error  t value
## frame_right                                                 -0.963206   0.275165 -3.50047
## ifelse(left_psup == 0 & right_psup == 0, 1, 0)               0.064983   0.220804  0.29430
## right_psup                                                   0.045138   0.242293  0.18630
## fem                                                          0.141443   0.105932  1.33522
## age                                                          0.006965   0.004832  1.44145
## inccatMiddle (>=4m,<8m)                                     -0.048398   0.117042 -0.41351
## inccatHigh (>=8m)                                           -0.045826   0.156868 -0.29213
## inccatMissing                                                0.169614   0.160546  1.05649
## educat>SHS & <University                                     0.025097   0.165362  0.15177
## educat>=University                                          -0.156139   0.137562 -1.13505
## employed                                                    -0.007683   0.114430 -0.06714
## knall                                                       -0.073945   0.185497 -0.39863
## csup                                                         0.375538   0.127009  2.95680
## eqview                                                       0.382425   0.225093  1.69897
## hmview                                                       0.399006   0.251467  1.58671
## frame_right:ifelse(left_psup == 0 & right_psup == 0, 1, 0)  0.673270   0.306857  2.19408
## frame_right:right_psup                                       0.915419   0.321863  2.84413
##
## Intercepts:
##     Value   Std. Error t value
## 0|1 -2.0475  0.3754    -5.4536
## 1|2 -0.1550  0.3673    -0.4221
## 2|3  0.6700  0.3678     1.8217
## 3|4  4.0004  0.3916    10.2152
##
## Residual Deviance: 3755.312
## AIC: 3797.312
## (73 observations deleted due to missingness)
```

```
coeftest(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_id))
```

```
##
## t test of coefficients:
##
##                                                                Estimate Std. Error t value Pr(>|t|)
## frame_right                                                  -0.9632057  0.3140409 -3.0671 0.002202 **
## ifelse(left_psup == 0 & right_psup == 0, 1, 0)                0.0649834  0.2501187  0.2598 0.795047
## right_psup                                                    0.0451382  0.2716460  0.1662 0.868050
## fem                                                           0.1414428  0.1091603  1.2957 0.195276
## age                                                           0.0069648  0.0050220  1.3869 0.165700
## inccatMiddle (>=4m,<8m)                                      -0.0483977  0.1182496 -0.4093 0.682392
## inccatHigh (>=8m)                                            -0.0458256  0.1602381 -0.2860 0.774931
## inccatMissing                                                 0.1696144  0.1534220  1.1055 0.269110
## educat>SHS & <University                                      0.0250968  0.1706298  0.1471 0.883087
## educat>=University                                           -0.1561394  0.1400079 -1.1152 0.264944
## employed                                                     -0.0076828  0.1116550 -0.0688 0.945151
## knall                                                        -0.0739449  0.1842190 -0.4014 0.688188
## csup                                                          0.3755384  0.1278630  2.9370 0.003367 **
## eqview                                                        0.3824253  0.2479120  1.5426 0.123152
## hmview                                                        0.3990064  0.2697196  1.4793 0.139270
## frame_right:ifelse(left_psup == 0 & right_psup == 0, 1, 0)  0.6732698  0.3394814  1.9832 0.047532 *
## frame_right:right_psup                                        0.9154191  0.3581431  2.5560 0.010690 *
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
tmp1c_se <- sqrt(diag(vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_id)))
tmp1c_p <- pnorm(-abs(summary(tmp1)$coefficients[,1]/tmp1c_se))*2
tmp2 <- polr(as.ordered(limitexp1) ~
               frame_right * left_psup +
               frame_right * ifelse(left_psup==0&right_psup==0,1,0) +
               fem + age + inccat + educat + employed + knall + csup + eqview + hmview,
             data=d, Hess = TRUE)
summary(tmp2)
```

```
## Call:
## polr(formula = as.ordered(limitexp1) ~ frame_right * left_psup +
##     frame_right * ifelse(left_psup == 0 & right_psup == 0, 1,
##         0) + fem + age + inccat + educat + employed + knall +
##     csup + eqview + hmview, data = d, Hess = TRUE)
##
## Coefficients:
##                                                             Value Std. Error  t value
## frame_right                                              -0.047790   0.167120 -0.28596
## left_psup                                                -0.045139   0.242294 -0.18630
## ifelse(left_psup == 0 & right_psup == 0, 1, 0)            0.019842   0.166626  0.11908
## fem                                                       0.141442   0.105932  1.33521
## age                                                       0.006965   0.004832  1.44148
## inccatMiddle (>=4m,<8m)                                  -0.048402   0.117042 -0.41354
## inccatHigh (>=8m)                                        -0.045831   0.156868 -0.29216
## inccatMissing                                             0.169609   0.160546  1.05646
## educat>SHS & <University                                  0.025095   0.165362  0.15175
## educat>=University                                       -0.156140   0.137562 -1.13505
## employed                                                 -0.007682   0.114430 -0.06713
```

```
## knall                                                    -0.073948   0.185497 -0.39865
## csup                                                      0.375539   0.127009  2.95680
## eqview                                                    0.382432   0.225093  1.69899
## hmview                                                    0.399004   0.251467  1.58670
## frame_right:left_psup                                    -0.915422   0.321863 -2.84414
## frame_right:ifelse(left_psup == 0 & right_psup == 0, 1, 0) -0.242145   0.215069 -1.12589
##
## Intercepts:
##     Value   Std. Error t value
## 0|1 -2.0926  0.3595    -5.8204
## 1|2 -0.2002  0.3505    -0.5710
## 2|3  0.6248  0.3509     1.7808
## 3|4  3.9552  0.3760    10.5184
##
## Residual Deviance: 3755.312
## AIC: 3797.312
## (73 observations deleted due to missingness)
```

```
coeftest(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_id))
```

```
##
## t test of coefficients:
##
##                                                           Estimate Std. Error t value Pr(>|t|)
## frame_right                                              -0.0477900  0.1724876 -0.2771 0.781771
## left_psup                                                -0.0451385  0.2716464 -0.1662 0.868049
## ifelse(left_psup == 0 & right_psup == 0, 1, 0)            0.0198422  0.1625323  0.1221 0.902852
## fem                                                       0.1414424  0.1091604  1.2957 0.195277
## age                                                       0.0069649  0.0050220  1.3869 0.165694
## inccatMiddle (>=4m,<8m)                                  -0.0484018  0.1182497 -0.4093 0.682367
## inccatHigh (>=8m)                                        -0.0458305  0.1602382 -0.2860 0.774908
## inccatMissing                                             0.1696093  0.1534221  1.1055 0.269125
## educat>SHS & <University                                  0.0250945  0.1706300  0.1471 0.883098
## educat>=University                                       -0.1561404  0.1400081 -1.1152 0.264941
## employed                                                 -0.0076815  0.1116551 -0.0688 0.945161
## knall                                                    -0.0739485  0.1842192 -0.4014 0.688174
## csup                                                      0.3755388  0.1278631  2.9370 0.003367 **
## eqview                                                    0.3824317  0.2479123  1.5426 0.123147
## hmview                                                    0.3990037  0.2697199  1.4793 0.139273
## frame_right:left_psup                                    -0.9154217  0.3581437 -2.5560 0.010690 *
## frame_right:ifelse(left_psup == 0 & right_psup == 0, 1, 0) -0.2421448  0.2159757 -1.1212 0.262405
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
tmp2c_se <- sqrt(diag(vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_id)))
tmp2c_p <- pnorm(-abs(summary(tmp2)$coefficients[,1]/tmp2c_se))*2

tmpdt <-
  rbind(c(mf03$coefficients[1],mf03c_se[1],
          coefci(mf03, vcov.=vcovCL(mf03,cluster=na.omit(d[,c("start_id",all.vars(mf03$terms))])$start_
          coefci(mf03, vcov.=vcovCL(mf03,cluster=na.omit(d[,c("start_id",all.vars(mf03$terms))])$start_
        c(tmp1$coefficients[1],tmp1c_se[1],
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(d[,c("start_id",all.vars(tmp1$terms))])$start_
        c(tmp2$coefficients[1],tmp2c_se[1],
```

```
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(d[,c("start_id",all.vars(tmp2$terms))])$start_

tmpdt <- as.data.frame(tmpdt)
colnames(tmpdt) <- c("cf","se","lci","uci","lci90","uci90")

mf03dt <- tmpdt
mf03dt$type <- "Party"
mf03dt$value <- c("Neither","Left\nParty","Right\nParty")
mf03dt
```

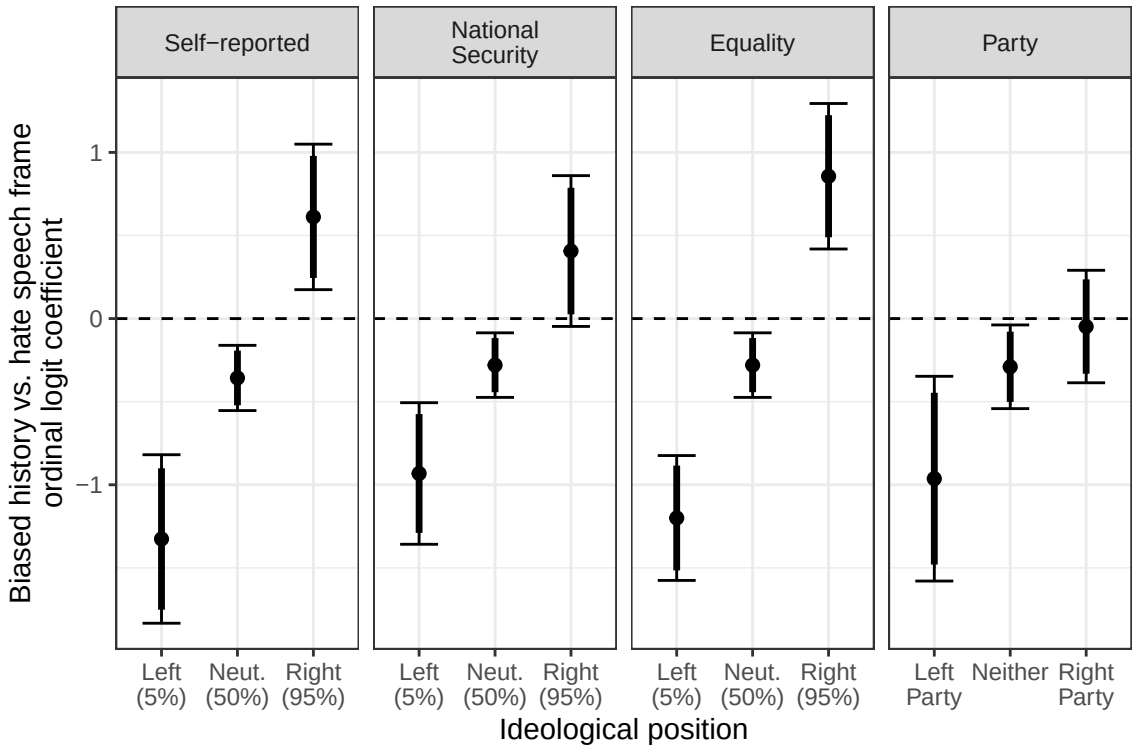
```
##           cf        se        lci         uci      lci90       uci90  type        value
## 1 -0.2899607 0.1283501 -0.5417349 -0.03818653 -0.5012144 -0.07870706 Party      Neither
## 2 -0.9632057 0.3140409 -1.5792349 -0.34717650 -1.4800912 -0.44632020 Party  Left\nParty
## 3 -0.0477900 0.1724876 -0.3861453  0.29056528 -0.3316904  0.23611040 Party Right\nParty
```

```
## Combine Data ##

mfdt <- rbind(mf01dt,mf02adt,mf02bdt,mf03dt)
mfdt$type <- factor(mfdt$type, unique(mfdt$type))
unique(mfdt$value)
```

```
## [1] "Neut.\n(50%)" "Left\n(5%)"   "Right\n(95%)" "Neither"      "Left\nParty"   "Right\nParty"
```

```
mfdt$value <- factor(mfdt$value, c("Left\n(5%)", "Left\nParty",
                                   "Neut.\n(50%)", "Neither",
                                   "Right\n(95%)", "Right\nParty"))

write.csv(mfdt, row.names = F, file = "../out/effect_frame_ol_v2.csv")

## Plot of Conditional Framing Effect ##

require(ggplot2)

p <- ggplot(mfdt, aes(x=value,y=cf)) +
  geom_hline(aes(yintercept=0), linetype=2) +
  geom_errorbar(aes(ymin=lci,ymax=uci), width=0.5) +
  geom_errorbar(aes(ymin=lci90,ymax=uci90), width=0, size=1.2) +
  geom_point(size=2) +
  facet_grid(.~type, scales = "free_x") +
  labs(x="Ideological position", y="Biased history vs. hate speech frame\nordinal logit coefficient") +
  theme_bw()
```

```
p
```




```
ggsave("../out/effect_frame_ol_v2.pdf", width=6, height=4)
ggsave("../out/effect_frame_ol_v2.png", width=6, height=4)
```

Endorsement Treatment Effects

Difference Models

```
## Subset data
dL <- subset(d, frame_left==1)
dR <- subset(d, frame_right==1)
```

```
## One Sample T-test
(mt0_L <- t.test(limitexpdif~1, data=dL, subset=word_expert==1))
```

T-test (Table G.1)

```
##
##  One Sample t-test
##
## data:  limitexpdif
## t = -4.2652, df = 248, p-value = 2.843e-05
## alternative hypothesis: true mean is not equal to 0
## 95 percent confidence interval:
##  -0.26417729 -0.09726849
## sample estimates:
##  mean of x
## -0.1807229
```

```
(mt1_L <- t.test(limitexpdif~1, data=dL, subset=word_emperor==1))
```

```
##
##  One Sample t-test
##
## data:  limitexpdif
## t = -3.3274, df = 222, p-value = 0.001026
## alternative hypothesis: true mean is not equal to 0
## 95 percent confidence interval:
##  -0.17850501 -0.04571024
## sample estimates:
##  mean of x
## -0.1121076
```

```
(mt2_L <- t.test(limitexpdif~1, data=dL, subset=word_emperor_liberal==1))
```

```
##
##  One Sample t-test
##
## data:  limitexpdif
## t = -2.5501, df = 259, p-value = 0.01134
## alternative hypothesis: true mean is not equal to 0
## 95 percent confidence interval:
##  -0.14995363 -0.01927714
## sample estimates:
##   mean of x
## -0.08461538
```

```
(mt0_R <- t.test(limitexpdif~1, data=dR, subset=word_expert==1))
```

```
##
##  One Sample t-test
##
## data:  limitexpdif
## t = -3.7569, df = 223, p-value = 0.0002197
## alternative hypothesis: true mean is not equal to 0
## 95 percent confidence interval:
##  -0.27224122 -0.08490164
## sample estimates:
##  mean of x
## -0.1785714
```

```
(mt1_R <- t.test(limitexpdif~1, data=dR, subset=word_emperor==1))
```

```
##
##  One Sample t-test
##
## data:  limitexpdif
## t = -1.8198, df = 256, p-value = 0.06996
## alternative hypothesis: true mean is not equal to 0
## 95 percent confidence interval:
##  -0.129628262  0.005114644
## sample estimates:
##   mean of x
## -0.06225681
```

```
(mt2_R <- t.test(limitexpdif~1, data=dR, subset=word_emperor_liberal==1))
```

```
##
```

```
##  One Sample t-test
##
## data:  limitexpdif
## t = -2.9597, df = 248, p-value = 0.003378
## alternative hypothesis: true mean is not equal to 0
## 95 percent confidence interval:
##  -0.19397041 -0.03896132
## sample estimates:
##  mean of x
## -0.1164659
```

```
mt <- data.frame(Issue = c("Hate Speech","","","Biased History","",""),
                 Endorser = c("Experts","Emperor","Liberal Emperor"),
                 "Mean Difference" =
                   sprintf("%.3f",c(mt0_L$estimate,mt1_L$estimate,mt2_L$estimate,
                                    mt0_R$estimate,mt1_R$estimate,mt2_R$estimate)),
                 p = sprintf("%.3f",c(mt0_L$p.value,mt1_L$p.value,mt2_L$p.value,
                                      mt0_R$p.value,mt1_R$p.value,mt2_R$p.value)),
                 check.names = FALSE)

require(stargazer)
stargazer(mt, summary=F, align=T, rownames = F,
          title = "Endorsement treatment effects on the difference in the support for regulating expres
          type = "text")
```

```
##
## Endorsement treatment effects on the difference in the support for regulating expression in public pl
## ================================================
##     Issue         Endorser     Mean Difference   p
## ------------------------------------------------
##  Hate Speech       Experts         -0.181      0.000
##                    Emperor         -0.112      0.001
##                 Liberal Emperor    -0.085      0.011
## Biased History     Experts         -0.179      0.000
##                    Emperor         -0.062      0.070
##                 Liberal Emperor    -0.116      0.003
## ------------------------------------------------
```

```
stargazer(mt, summary=F, align=T, rownames = F,
          title = "Endorsement treatment effects on the difference in the support for regulating expres
          out="../out/endorsement_diff_ttest_v2.tex",
          type = "latex")
```

```
## Baseline (Linear Model)
mbL01 <- lm(limitexpdif ~ word_emperor + word_emperor_liberal, data = dL)
coeftest(mbL01, vcov.=vcovCL(mbL01,cluster=na.omit(dL[,c("start_id",all.vars(mbL01$terms))])$start_id))
```

Linear Model (Baseline)

```
##
## t test of coefficients:
##
##                       Estimate Std. Error t value  Pr(>|t|)
## (Intercept)          -0.180723   0.042374 -4.2650 2.262e-05 ***
## word_emperor          0.068615   0.054132  1.2676   0.20536
```

```
## word_emperor_liberal  0.096108   0.053821  1.7857   0.07457 .
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
mbL01c_se <- sqrt(diag(vcovCL(mbL01,cluster=na.omit(dL[,c("start_id",all.vars(mbL01$terms))])$start_id))
# coeftest(mbL01, vcov.=vcovHC(mbL01, type="HC2"))
# mbL01c_se <- sqrt(diag(vcovHC(mbL01, type="HC2")))
mbL01c_p <- pt(-abs(summary(mbL01)$coefficients[,1]/mbL01c_se), df = mbL01$df.residual)*2
mbL02 <- lm(limitexpdif ~ word_emperor + word_emperor_liberal, data = dR)
coeftest(mbL02, vcov.=vcovCL(mbL02,cluster=na.omit(dR[,c("start_id",all.vars(mbL02$terms))])$start_id))
```

```
##
## t test of coefficients:
##
##                       Estimate Std. Error t value  Pr(>|t|)
## (Intercept)          -0.178571   0.047524 -3.7575 0.0001854 ***
## word_emperor          0.116315   0.058559  1.9863 0.0473779 *
## word_emperor_liberal  0.062106   0.061702  1.0065 0.3144910
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
mbL02c_se <- sqrt(diag(vcovCL(mbL02,cluster=na.omit(dR[,c("start_id",all.vars(mbL02$terms))])$start_id))
# coeftest(mbL02, vcov.=vcovHC(mbL02, type="HC2"))
# mbL02c_se <- sqrt(diag(vcovHC(mbL02, type="HC2")))
mbL02c_p <- pt(-abs(summary(mbL02)$coefficients[,1]/mbL02c_se), df = mbL02$df.residual)*2
screenreg(list(mbL01,mbL02), stars = c(0.1,0.05,0.01,0.001), symbol = "+",
          beside = T, digits = 3, single.row = T,
          override.se = list(mbL01c_se,mbL02c_se),
          override.pvalues = list(mbL01c_p,mbL02c_p),
          custom.model.names = c("Hate Speech","Biased History"),
          custom.coef.map = vn)
```

```
##
## ============================================================================
##                                    Hate Speech          Biased History
## ----------------------------------------------------------------------------
## (Intercept)                         -0.181 (0.042) ***   -0.179 (0.048) ***
## Neg. endorsement (emperor)           0.069 (0.054)        0.116 (0.059) *
## Neg. endorsement (liberal emperor)   0.096 (0.054) +      0.062 (0.062)
## ----------------------------------------------------------------------------
## R^2                                  0.005                0.006
## Adj. R^2                             0.002                0.003
## Num. obs.                          732                  730
## ============================================================================
## *** p < 0.001; ** p < 0.01; * p < 0.05; + p < 0.1
```

```
## Extended (Linear Model)
mL01 <- lm(limitexpdif ~ word_emperor + word_emperor_liberal +
             fem + age + inccat + educat + employed + knall + csup + eqview + hmview,
           data = dL)
coeftest(mL01, vcov.=vcovCL(mL01,cluster=na.omit(dL[,c("start_id",all.vars(mL01$terms))])$start_id))
```

Linear Model (Extended)

```
##
```

```
## t test of coefficients:
##
##                             Estimate Std. Error t value Pr(>|t|)
## (Intercept)               -0.0708977  0.1426287 -0.4971   0.6193
## word_emperor               0.0617904  0.0576097  1.0726   0.2838
## word_emperor_liberal       0.0878489  0.0557086  1.5769   0.1153
## fem                       -0.0949554  0.0463342 -2.0494   0.0408 *
## age                       -0.0036754  0.0023232 -1.5820   0.1141
## inccatMiddle (>=4m,<8m)    0.0793519  0.0515329  1.5398   0.1241
## inccatHigh (>=8m)          0.0310485  0.0698614  0.4444   0.6569
## inccatMissing             -0.0320254  0.0682824 -0.4690   0.6392
## educat>SHS & <University -0.0019523  0.0721665 -0.0271   0.9784
## educat>=University         0.0042389  0.0671469  0.0631   0.9497
## employed                   0.0253436  0.0458810  0.5524   0.5809
## knall                      0.0200319  0.0888129  0.2256   0.8216
## csup                      -0.0363930  0.0443830 -0.8200   0.4125
## eqview                     0.1297950  0.0933477  1.3904   0.1648
## hmview                    -0.0205246  0.1102822 -0.1861   0.8524
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
mL01c_se <- sqrt(diag(vcovCL(mL01,cluster=na.omit(dL[,c("start_id",all.vars(mL01$terms))])$start_id)))
# coeftest(mL01, vcov.=vcovHC(mL01,type="HC2"))
# mL01c_se <- sqrt(diag(vcovCL(mL01,type="HC2")))
mL01c_p <- pt(-abs(summary(mL01)$coefficients[,1]/mL01c_se), df = mL01$df.residual)*2
mL02 <- lm(limitexpdif ~ word_emperor + word_emperor_liberal +
             fem + age + inccat + educat + employed + knall + csup + eqview + hmview,
           data = dR)
summary(mL02)
```

```
##
## Call:
## lm(formula = limitexpdif ~ word_emperor + word_emperor_liberal +
##     fem + age + inccat + educat + employed + knall + csup + eqview +
##     hmview, data = dR)
##
## Residuals:
##     Min      1Q  Median      3Q     Max
## -3.8150  0.0409  0.1019  0.1622  3.0764
##
## Coefficients:
##                             Estimate Std. Error t value Pr(>|t|)
## (Intercept)               -0.222206   0.152292  -1.459    0.145
## word_emperor               0.124716   0.059052   2.112    0.035 *
## word_emperor_liberal       0.067954   0.059553   1.141    0.254
## fem                        0.012280   0.051081   0.240    0.810
## age                        0.001692   0.002261   0.748    0.454
## inccatMiddle (>=4m,<8m)    0.039194   0.056990   0.688    0.492
## inccatHigh (>=8m)          0.092915   0.074858   1.241    0.215
## inccatMissing              0.023514   0.078896   0.298    0.766
## educat>SHS & <University   0.043634   0.078805   0.554    0.580
## educat>=University         0.003352   0.065091   0.051    0.959
## employed                   0.011638   0.056463   0.206    0.837
## knall                     -0.008015   0.087235  -0.092    0.927
## csup                       0.050143   0.054113   0.927    0.354
```

```
## eqview                   -0.030815   0.108313  -0.285    0.776
## hmview                   -0.111005   0.118555  -0.936    0.349
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.6334 on 701 degrees of freedom
##   (41 observations deleted due to missingness)
## Multiple R-squared:  0.01197,    Adjusted R-squared:  -0.007763
## F-statistic: 0.6066 on 14 and 701 DF,  p-value: 0.8609
```

```
coeftest(mL02, vcov.=vcovCL(mL02,cluster=na.omit(dR[,c("start_id",all.vars(mL02$terms))])$start_id))
```

```
##
## t test of coefficients:
##
##                            Estimate Std. Error t value Pr(>|t|)
## (Intercept)              -0.2222059  0.1432016 -1.5517   0.1212
## word_emperor              0.1247164  0.0611287  2.0402   0.0417 *
## word_emperor_liberal      0.0679536  0.0638020  1.0651   0.2872
## fem                       0.0122795  0.0458168  0.2680   0.7888
## age                       0.0016924  0.0022506  0.7520   0.4523
## inccatMiddle (>=4m,<8m)   0.0391942  0.0602535  0.6505   0.5156
## inccatHigh (>=8m)         0.0929150  0.0691079  1.3445   0.1792
## inccatMissing             0.0235136  0.0669809  0.3510   0.7257
## educat>SHS & <University  0.0436338  0.0760246  0.5739   0.5662
## educat>=University        0.0033518  0.0659947  0.0508   0.9595
## employed                  0.0116377  0.0516802  0.2252   0.8219
## knall                    -0.0080153  0.0757078 -0.1059   0.9157
## csup                      0.0501426  0.0585288  0.8567   0.3919
## eqview                   -0.0308152  0.1118186 -0.2756   0.7830
## hmview                   -0.1110050  0.0946777 -1.1725   0.2414
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
mL02c_se <- sqrt(diag(vcovCL(mL02,cluster=na.omit(dR[,c("start_id",all.vars(mL02$terms))])$start_id)))
# coeftest(mL02, vcov.=vcovHC(mL02,type="HC2"))
# mL02c_se <- sqrt(diag(vcovCL(mL02,type="HC2")))
mL02c_p <- pt(-abs(summary(mL02)$coefficients[,1]/mL02c_se), df = mL02$df.residual)*2

screenreg(list(mL01,mL02), stars = c(0.1,0.05,0.01,0.001), symbol = "+",
          beside = T, digits = 3, single.row = T,
          override.se = list(mL01c_se,mL02c_se),
          override.pvalues = list(mL01c_p,mL02c_p),
          custom.model.names = c("Hate Speech","Biased History"),
          custom.coef.map = vn)
```

```
##
## ============================================================================
##                                        Hate Speech        Biased History
## ----------------------------------------------------------------------------
## (Intercept)                             -0.071 (0.143)     -0.222 (0.143)
## Neg. endorsement (emperor)               0.062 (0.058)      0.125 (0.061) *
## Neg. endorsement (liberal emperor)       0.088 (0.056)      0.068 (0.064)
## Gender (female)                         -0.095 (0.046) *    0.012 (0.046)
## Age                                     -0.004 (0.002)      0.002 (0.002)
```

```
## Income (middle)                              0.079 (0.052)      0.039 (0.060)
## Income (high)                                0.031 (0.070)      0.093 (0.069)
## Income (missing)                            -0.032 (0.068)      0.024 (0.067)
## Education (junior college/tech. school)     -0.002 (0.072)      0.044 (0.076)
## Education (university)                       0.004 (0.067)      0.003 (0.066)
## Employed                                     0.025 (0.046)      0.012 (0.052)
## Political knowledge (0-1)                    0.020 (0.089)     -0.008 (0.076)
## Approve Abe Cabinet                         -0.036 (0.044)      0.050 (0.059)
## Japanese society is equal (0-1)              0.130 (0.093)     -0.031 (0.112)
## Japanese society is homogeneous (0-1)       -0.021 (0.110)     -0.111 (0.095)
## ------------------------------------------------------------------------------
## R^2                                          0.026              0.012
## Adj. R^2                                     0.006             -0.008
## Num. obs.                                  716                716
## ==============================================================================
## *** p < 0.001; ** p < 0.01; * p < 0.05; + p < 0.1
```

```
## Baseline (Logit)
mbG01 <- glm(limitexpdec ~ word_emperor + word_emperor_liberal,
             data = dL, family=binomial("logit"))
coeftest(mbG01, vcov.=vcovCL(mbG01,cluster=na.omit(dL[,c("start_id",all.vars(mbG01$terms))])$start_id))
```

Logit (Baseline)

```
##
## z test of coefficients:
##
##                       Estimate Std. Error z value Pr(>|z|)
## (Intercept)            2.33391    0.22345 10.4451  < 2e-16 ***
## word_emperor           0.29558    0.34857  0.8480  0.39645
## word_emperor_liberal   0.61053    0.36195  1.6868  0.09165 .
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
mbG01c_se <- sqrt(diag(vcovCL(mbG01,cluster=na.omit(dL[,c("start_id",all.vars(mbG01$terms))])$start_id))
# coeftest(mbG01, vcov.=vcovHC(mbG01, type="HC2"))
# mbG01c_se <- sqrt(diag(vcovHC(mbG01, type="HC2")))
mbG01c_p <- pnorm(-abs(summary(mbG01)$coefficients[,1]/mbG01c_se))*2
mbG02 <- glm(limitexpdec ~ word_emperor + word_emperor_liberal,
             data = dR, family=binomial("logit"))
coeftest(mbG02, vcov.=vcovCL(mbG02,cluster=na.omit(dR[,c("start_id",all.vars(mbG02$terms))])$start_id))
```

```
##
## z test of coefficients:
##
##                       Estimate Std. Error z value Pr(>|z|)
## (Intercept)            2.49951    0.25247  9.9002  < 2e-16 ***
## word_emperor           0.70730    0.40980  1.7260  0.08435 .
## word_emperor_liberal   0.39938    0.38081  1.0488  0.29429
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
mbG02c_se <- sqrt(diag(vcovCL(mbG02,cluster=na.omit(dR[,c("start_id",all.vars(mbG02$terms))])$start_id))
# coeftest(mbG02, vcov.=vcovHC(mbG02, type="HC2"))
# mbG02c_se <- sqrt(diag(vcovHC(mbG02, type="HC2")))
```

```
mbG02c_p <- pnorm(-abs(summary(mbG02)$coefficients[,1]/mbG02c_se))*2
screenreg(list(mbG01,mbG02), stars = c(0.1,0.05,0.01,0.001), symbol = "+",
          beside = T, digits = 3, single.row = T,
          override.se = list(mbG01c_se,mbG02c_se),
          override.pvalues = list(mbG01c_p,mbG02c_p),
          custom.model.names = c("Hate Speech","Biased History"),
          custom.coef.map = vn)
```

```
##
## ============================================================================
##                                    Hate Speech           Biased History
## ----------------------------------------------------------------------------
## (Intercept)                          2.334 (0.223) ***     2.500 (0.252) ***
## Neg. endorsement (emperor)           0.296 (0.349)         0.707 (0.410) +
## Neg. endorsement (liberal emperor)   0.611 (0.362) +       0.399 (0.381)
## ----------------------------------------------------------------------------
## AIC                                  367.928               312.952
## BIC                                  381.715               326.732
## Log Likelihood                      -180.964              -153.476
## Deviance                             361.928               306.952
## Num. obs.                            732                   730
## ============================================================================
## *** p < 0.001; ** p < 0.01; * p < 0.05; + p < 0.1
```

```
## Extended (Logit)
mG01 <- glm(limitexpdec ~ word_emperor + word_emperor_liberal +
            fem + age + inccat + educat + employed + knall + csup + eqview + hmview,
            data = dL, family=binomial("logit"))
coeftest(mG01, vcov.=vcovCL(mG01,cluster=na.omit(dL[,c("start_id",all.vars(mG01$terms))])$start_id))
```

Logit (Extended)

```
##
## z test of coefficients:
##
##                            Estimate Std. Error z value Pr(>|z|)
## (Intercept)                3.176568   1.001907  3.1705 0.001522 **
## word_emperor               0.320843   0.366431  0.8756 0.381255
## word_emperor_liberal       0.572466   0.375487  1.5246 0.127360
## fem                       -0.709772   0.317999 -2.2320 0.025615 *
## age                       -0.021245   0.016819 -1.2632 0.206525
## inccatMiddle (>=4m,<8m)    0.463071   0.351466  1.3175 0.187658
## inccatHigh (>=8m)          0.952052   0.566992  1.6791 0.093127 .
## inccatMissing              0.098276   0.443355  0.2217 0.824576
## educat>SHS & <University   0.513689   0.516794  0.9940 0.320227
## educat>=University        -0.134756   0.449089 -0.3001 0.764127
## employed                   0.067265   0.316168  0.2128 0.831521
## knall                      0.067981   0.601710  0.1130 0.910047
## csup                      -0.032669   0.352555 -0.0927 0.926171
## eqview                     1.188586   0.695935  1.7079 0.087655 .
## hmview                    -0.540349   0.785859 -0.6876 0.491711
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```r
mG01c_se <- sqrt(diag(vcovCL(mG01,cluster=na.omit(dL[,c("start_id",all.vars(mG01$terms))])$start_id)))
# coeftest(mG01, vcov.=vcovHC(mG01,type="HC2"))
# mG01c_se <- sqrt(diag(vcovCL(mG01,type="HC2")))
mG01c_p <- pnorm(-abs(summary(mG01)$coefficients[,1]/mG01c_se))*2
mG02 <- glm(limitexpdec ~ word_emperor + word_emperor_liberal +
              fem + age + inccat + educat + employed + knall + csup + eqview + hmview,
            data = dR, family=binomial("logit"))
summary(mG02)
```

```
##
## Call:
## glm(formula = limitexpdec ~ word_emperor + word_emperor_liberal +
##     fem + age + inccat + educat + employed + knall + csup + eqview +
##     hmview, family = binomial("logit"), data = dR)
##
## Deviance Residuals:
##     Min       1Q   Median       3Q      Max
## -2.7664   0.2550   0.3098   0.3758   0.6198
##
## Coefficients:
##                             Estimate Std. Error z value Pr(>|z|)
## (Intercept)                 3.823162   1.151424   3.320 0.000899 ***
## word_emperor                0.738772   0.414943   1.780 0.075008 .
## word_emperor_liberal        0.404625   0.387560   1.044 0.296470
## fem                        -0.314947   0.353950  -0.890 0.373569
## age                        -0.007581   0.015675  -0.484 0.628657
## inccatMiddle (>=4m,<8m)     0.320466   0.383355   0.836 0.403183
## inccatHigh (>=8m)           0.417989   0.503582   0.830 0.406521
## inccatMissing               0.756054   0.649673   1.164 0.244527
## educat>SHS & <University    0.211446   0.606463   0.349 0.727348
## educat>=University         -0.351830   0.478723  -0.735 0.462380
## employed                   -0.134560   0.401595  -0.335 0.737577
## knall                       0.013712   0.605219   0.023 0.981924
## csup                        0.017456   0.371586   0.047 0.962532
## eqview                      0.300286   0.756521   0.397 0.691419
## hmview                     -1.277488   0.910774  -1.403 0.160724
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## (Dispersion parameter for binomial family taken to be 1)
##
##     Null deviance: 308.51  on 715  degrees of freedom
## Residual deviance: 298.07  on 701  degrees of freedom
##   (41 observations deleted due to missingness)
## AIC: 328.07
##
## Number of Fisher Scoring iterations: 6
```

```r
coeftest(mG02, vcov.=vcovCL(mG02,cluster=na.omit(dR[,c("start_id",all.vars(mG02$terms))])$start_id))
```

```
##
## z test of coefficients:
##
##                             Estimate Std. Error z value  Pr(>|z|)
```

```
## (Intercept)               3.8231623  0.9849211  3.8817 0.0001037 ***
## word_emperor              0.7387717  0.4088398  1.8070 0.0707630 .
## word_emperor_liberal      0.4046252  0.3768572  1.0737 0.2829648
## fem                      -0.3149473  0.3301086 -0.9541 0.3400473
## age                      -0.0075808  0.0186278 -0.4070 0.6840361
## inccatMiddle (>=4m,<8m)   0.3204662  0.3821549  0.8386 0.4017069
## inccatHigh (>=8m)         0.4179894  0.5170873  0.8084 0.4188870
## inccatMissing             0.7560542  0.6634317  1.1396 0.2544483
## educat>SHS & <University  0.2114462  0.5867794  0.3604 0.7185851
## educat>=University       -0.3518298  0.4973841 -0.7074 0.4793426
## employed                 -0.1345597  0.4027874 -0.3341 0.7383258
## knall                     0.0137124  0.5123285  0.0268 0.9786472
## csup                      0.0174556  0.3600295  0.0485 0.9613307
## eqview                    0.3002864  0.6603655  0.4547 0.6493052
## hmview                   -1.2774880  0.6733744 -1.8971 0.0578090 .
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
mG02c_se <- sqrt(diag(vcovCL(mG02,cluster=na.omit(dR[,c("start_id",all.vars(mG02$terms))])$start_id)))
# coeftest(mG02, vcov.=vcovHC(mG02,type="HC2"))
# mG02c_se <- sqrt(diag(vcovCL(mG02,type="HC2")))
mG02c_p <- pnorm(-abs(summary(mG02)$coefficients[,1]/mG02c_se))*2

screenreg(list(mG01,mG02), stars = c(0.1,0.05,0.01,0.001), symbol = "+",
          beside = T, digits = 3, single.row = T,
          override.se = list(mG01c_se,mG02c_se),
          override.pvalues = list(mG01c_p,mG02c_p),
          custom.model.names = c("Hate Speech","Biased History"),
          custom.coef.map = vn)
```

```
##
## ============================================================================
##                                        Hate Speech          Biased History
## ----------------------------------------------------------------------------
## (Intercept)                              3.177 (1.002) **     3.823 (0.985) ***
## Neg. endorsement (emperor)               0.321 (0.366)        0.739 (0.409) +
## Neg. endorsement (liberal emperor)       0.572 (0.375)        0.405 (0.377)
## Gender (female)                         -0.710 (0.318) *     -0.315 (0.330)
## Age                                     -0.021 (0.017)       -0.008 (0.019)
## Income (middle)                          0.463 (0.351)        0.320 (0.382)
## Income (high)                            0.952 (0.567) +      0.418 (0.517)
## Income (missing)                         0.098 (0.443)        0.756 (0.663)
## Education (junior college/tech. school)  0.514 (0.517)        0.211 (0.587)
## Education (university)                  -0.135 (0.449)       -0.352 (0.497)
## Employed                                 0.067 (0.316)       -0.135 (0.403)
## Political knowledge (0-1)                0.068 (0.602)        0.014 (0.512)
## Approve Abe Cabinet                     -0.033 (0.353)        0.017 (0.360)
## Japanese society is equal (0-1)          1.189 (0.696) +      0.300 (0.660)
## Japanese society is homogeneous (0-1)   -0.540 (0.786)       -1.277 (0.673) +
## ----------------------------------------------------------------------------
## AIC                                     368.424              328.071
## BIC                                     437.030              396.676
## Log Likelihood                         -169.212             -149.036
## Deviance                                338.424              298.071
## Num. obs.                               716                  716
```

```
## ================================================================================
## *** p < 0.001; ** p < 0.01; * p < 0.05; + p < 0.1
```

```
## Baseline (Ordinal logit)
mbD01 <- polr(as.ordered(limitexpdifx) ~ word_emperor + word_emperor_liberal,
              data = dL, Hess = T)
summary(mbD01)
```

Ordinal Logit (Baseline)

```
## Call:
## polr(formula = as.ordered(limitexpdifx) ~ word_emperor + word_emperor_liberal,
##     data = dL, Hess = T)
##
## Coefficients:
##                        Value Std. Error t value
## word_emperor          0.2644     0.2238   1.182
## word_emperor_liberal 0.3381     0.2167   1.560
##
## Intercepts:
##       Value    Std. Error t value
## -2|-1  -3.2364   0.2413   -13.4121
## -1|0   -1.4837   0.1561    -9.5025
## 0|2     3.0892   0.2132    14.4873
##
## Residual Deviance: 1039.888
## AIC: 1049.888
## (38 observations deleted due to missingness)
```

```
coeftest(mbD01, vcov.=vcovCL(mbD01,cluster=na.omit(dL[,c("start_id",all.vars(mbD01$terms))])$start_id))
```

```
##
## t test of coefficients:
##
##                       Estimate Std. Error t value Pr(>|t|)
## word_emperor          0.26444    0.22665  1.1667   0.2437
## word_emperor_liberal  0.33815    0.22302  1.5162   0.1299
```

```
mbD01c_se <- sqrt(diag(vcovCL(mbD01,cluster=na.omit(dL[,c("start_id",all.vars(mbD01$terms))])$start_id))
mbD01c_p <- pnorm(-abs(summary(mbD01)$coefficients[,1]/mbD01c_se))*2
mbD02 <- polr(as.ordered(limitexpdifx) ~ word_emperor + word_emperor_liberal,
              data = dR, Hess = T)
summary(mbD02)
```

```
## Call:
## polr(formula = as.ordered(limitexpdifx) ~ word_emperor + word_emperor_liberal,
##     data = dR, Hess = T)
##
## Coefficients:
##                        Value Std. Error t value
## word_emperor          0.4081     0.2361  1.7281
## word_emperor_liberal 0.1822     0.2341  0.7784
##
## Intercepts:
##       Value    Std. Error t value
```

```
## -2|-1  -3.1057   0.2387   -13.0107
## -1|0   -1.6680   0.1710    -9.7555
## 0|2     3.2073   0.2302    13.9303
##
## Residual Deviance: 956.7384
## AIC: 966.7384
## (27 observations deleted due to missingness)
```

```
coeftest(mbD02, vcov.=vcovCL(mbD02,cluster=na.omit(dR[,c("start_id",all.vars(mbD02$terms))])$start_id))
```

```
##
## t test of coefficients:
##
##                       Estimate Std. Error t value Pr(>|t|)
## word_emperor           0.40807    0.22929  1.7797  0.07555 .
## word_emperor_liberal   0.18219    0.23839  0.7643  0.44496
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
mbD02c_se <- sqrt(diag(vcovCL(mbD02,cluster=na.omit(dR[,c("start_id",all.vars(mbD02$terms))])$start_id))
mbD02c_p <- pnorm(-abs(summary(mbD02)$coefficients[,1]/mbD02c_se))*2

screenreg(list(mbD01,mbD02), stars = c(0.1,0.05,0.01,0.001), symbol = "+",
          beside = T, digits = 3, single.row = T,
          override.se = list(mbD01c_se,mbD02c_se),
          override.pvalues = list(mbD01c_p,mbD02c_p),
          custom.model.names = c("Hate Speech","Biased History"),
          custom.coef.map = vn)
```

```
##
## ============================================================================
##                                    Hate Speech           Biased History
## ----------------------------------------------------------------------------
## Neg. endorsement (emperor)            0.264 (0.227)         0.408 (0.229) +
## Neg. endorsement (liberal emperor)    0.338 (0.223)         0.182 (0.238)
## Cut: -2 or under|-1                  -3.236 (0.258) ***    -3.106 (0.235) ***
## Cut: -1|0                            -1.484 (0.166) ***    -1.668 (0.169) ***
## Cut: 0|1 or above                     3.089 (0.230) ***     3.207 (0.227) ***
## ----------------------------------------------------------------------------
## AIC                                1049.888               966.738
## BIC                                1072.867               989.704
## Log Likelihood                     -519.944              -478.369
## Deviance                           1039.888               956.738
## Num. obs.                           732                   730
## ============================================================================
## *** p < 0.001; ** p < 0.01; * p < 0.05; + p < 0.1
```

```
## Extended (Ordinal logit)
mD01 <- polr(as.ordered(limitexpdifx) ~ word_emperor + word_emperor_liberal +
               fem + age + inccat + educat + employed + knall + csup + eqview + hmview,
          data = dL, Hess = T)
summary(mD01)
```

Ordinal Logit (Extended)

```
## Call:
## polr(formula = as.ordered(limitexpdifx) ~ word_emperor + word_emperor_liberal +
##     fem + age + inccat + educat + employed + knall + csup + eqview +
##     hmview, data = dL, Hess = T)
##
## Coefficients:
##                              Value Std. Error t value
## word_emperor               0.23490   0.230231  1.0203
## word_emperor_liberal       0.30708   0.222569  1.3797
## fem                       -0.43189   0.198164 -2.1795
## age                       -0.01458   0.009146 -1.5946
## inccatMiddle (>=4m,<8m)    0.36977   0.220596  1.6762
## inccatHigh (>=8m)          0.22355   0.301273  0.7420
## inccatMissing             -0.26199   0.285329 -0.9182
## educat>SHS & <University  -0.09833   0.303821 -0.3237
## educat>=University        -0.13368   0.264007 -0.5063
## employed                   0.11882   0.209321  0.5676
## knall                      0.05724   0.361670  0.1583
## csup                      -0.03125   0.202611 -0.1542
## eqview                     0.55379   0.403167  1.3736
## hmview                    -0.20725   0.469632 -0.4413
##
## Intercepts:
##       Value   Std. Error t value
## -2|-1 -3.9235  0.6512    -6.0248
## -1|0  -2.1190  0.6214    -3.4098
## 0|2    2.5472  0.6282     4.0550
##
## Residual Deviance: 1004.093
## AIC: 1038.093
## (54 observations deleted due to missingness)
```

```
coeftest(mD01, vcov.=vcovCL(mD01,cluster=na.omit(dL[,c("start_id",all.vars(mD01$terms))])$start_id))
```

```
##
## t test of coefficients:
##
##                              Estimate Std. Error t value Pr(>|t|)
## word_emperor               0.2348987  0.2399772  0.9788  0.32800
## word_emperor_liberal       0.3070790  0.2276298  1.3490  0.17776
## fem                       -0.4318905  0.2005876 -2.1531  0.03165 *
## age                       -0.0145843  0.0099477 -1.4661  0.14307
## inccatMiddle (>=4m,<8m)    0.3697703  0.2215605  1.6689  0.09558 .
## inccatHigh (>=8m)          0.2235514  0.3065735  0.7292  0.46613
## inccatMissing             -0.2619916  0.2739638 -0.9563  0.33925
## educat>SHS & <University  -0.0983342  0.2999811 -0.3278  0.74316
## educat>=University        -0.1336780  0.2695563 -0.4959  0.62011
## employed                   0.1188207  0.2000338  0.5940  0.55270
## knall                      0.0572441  0.3644397  0.1571  0.87523
## csup                      -0.0312482  0.1933393 -0.1616  0.87165
## eqview                     0.5537929  0.3927031  1.4102  0.15892
## hmview                    -0.2072505  0.4571491 -0.4534  0.65043
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
mD01c_se <- sqrt(diag(vcovCL(mD01,cluster=na.omit(dL[,c("start_id",all.vars(mD01$terms))])$start_id)))
mD01c_p <- pnorm(-abs(summary(mD01)$coefficients[,1]/mD01c_se))*2
mD02 <- polr(as.ordered(limitexpdifx) ~ word_emperor + word_emperor_liberal +
             fem + age + inccat + educat + employed + knall + csup + eqview + hmview,
          data = dR, Hess=T)
summary(mD02)
```

```
## Call:
## polr(formula = as.ordered(limitexpdifx) ~ word_emperor + word_emperor_liberal +
##     fem + age + inccat + educat + employed + knall + csup + eqview +
##     hmview, data = dR, Hess = T)
##
## Coefficients:
##                              Value Std. Error  t value
## word_emperor              0.431882   0.241232  1.79031
## word_emperor_liberal      0.197062   0.239502  0.82280
## fem                      -0.098753   0.206993 -0.47709
## age                       0.003673   0.009297  0.39507
## inccatMiddle (>=4m,<8m)   0.083676   0.233090  0.35899
## inccatHigh (>=8m)         0.274768   0.310715  0.88431
## inccatMissing            -0.007118   0.314461 -0.02264
## educat>SHS & <University  0.200365   0.322936  0.62045
## educat>=University        0.016221   0.262050  0.06190
## employed                  0.117687   0.227780  0.51667
## knall                    -0.074398   0.354024 -0.21015
## csup                      0.136074   0.223251  0.60951
## eqview                   -0.152094   0.443791 -0.34272
## hmview                   -0.368319   0.483564 -0.76168
##
## Intercepts:
##       Value   Std. Error t value
## -2|-1 -3.1115  0.6448    -4.8259
## -1|0  -1.7055  0.6225    -2.7396
## 0|2    3.1894  0.6409     4.9761
##
## Residual Deviance: 934.9472
## AIC: 968.9472
## (41 observations deleted due to missingness)
```

```
coeftest(mD02, vcov.=vcovCL(mD02,cluster=na.omit(dR[,c("start_id",all.vars(mD02$terms))])$start_id))
```

```
##
## t test of coefficients:
##
##                             Estimate Std. Error t value Pr(>|t|)
## word_emperor              0.4318816  0.2379363  1.8151  0.06993 .
## word_emperor_liberal      0.1970622  0.2463533  0.7999  0.42403
## fem                      -0.0987535  0.1988575 -0.4966  0.61962
## age                       0.0036729  0.0097313  0.3774  0.70597
## inccatMiddle (>=4m,<8m)   0.0836764  0.2433414  0.3439  0.73105
## inccatHigh (>=8m)         0.2747680  0.3225605  0.8518  0.39460
## inccatMissing            -0.0071183  0.2892155 -0.0246  0.98037
## educat>SHS & <University  0.2003646  0.3335542  0.6007  0.54824
## educat>=University        0.0162206  0.2443134  0.0664  0.94708
```

```
## employed                  0.1176865  0.2280817  0.5160  0.60603
## knall                    -0.0743979  0.3376688 -0.2203  0.82568
## csup                      0.1360736  0.2395055  0.5681  0.57012
## eqview                   -0.1520938  0.4785157 -0.3178  0.75070
## hmview                   -0.3683190  0.4485641 -0.8211  0.41187
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
mD02c_se <- sqrt(diag(vcovCL(mD02,cluster=na.omit(dR[,c("start_id",all.vars(mD02$terms))])$start_id)))
mD02c_p <- pnorm(-abs(summary(mD02)$coefficients[,1]/mD02c_se))*2

screenreg(list(mD01,mD02), stars = c(0.1,0.05,0.01,0.001), symbol = "+",
          beside = T, digits = 3, single.row = T,
          override.se = list(mD01c_se,mD02c_se),
          override.pvalues = list(mD01c_p,mD02c_p),
          custom.model.names = c("Hate Speech","Biased History"),
          custom.coef.map = vn)
```

```
##
## ============================================================================
##                                        Hate Speech          Biased History
## ----------------------------------------------------------------------------
## Neg. endorsement (emperor)               0.235 (0.240)         0.432 (0.238) +
## Neg. endorsement (liberal emperor)       0.307 (0.228)         0.197 (0.246)
## Gender (female)                         -0.432 (0.201) *      -0.099 (0.199)
## Age                                     -0.015 (0.010)         0.004 (0.010)
## Income (middle)                          0.370 (0.222) +       0.084 (0.243)
## Income (high)                            0.224 (0.307)         0.275 (0.323)
## Income (missing)                        -0.262 (0.274)        -0.007 (0.289)
## Education (junior college/tech. school) -0.098 (0.300)         0.200 (0.334)
## Education (university)                  -0.134 (0.270)         0.016 (0.244)
## Employed                                 0.119 (0.200)         0.118 (0.228)
## Political knowledge (0-1)                0.057 (0.364)        -0.074 (0.338)
## Approve Abe Cabinet                     -0.031 (0.193)         0.136 (0.240)
## Japanese society is equal (0-1)          0.554 (0.393)        -0.152 (0.479)
## Japanese society is homogeneous (0-1)   -0.207 (0.457)        -0.368 (0.449)
## Cut: -2 or under|-1                     -3.924 (0.642) ***    -3.112 (0.641) ***
## Cut: -1|0                               -2.119 (0.593) ***    -1.705 (0.611) **
## Cut: 0|1 or above                        2.547 (0.606) ***     3.189 (0.624) ***
## ----------------------------------------------------------------------------
## AIC                                   1038.093              968.947
## BIC                                   1115.846             1046.700
## Log Likelihood                        -502.047             -467.474
## Deviance                              1004.093              934.947
## Num. obs.                              716                  716
## ============================================================================
## *** p < 0.001; ** p < 0.01; * p < 0.05; + p < 0.1
```

```
## 3 Category Model
mC01 <- polr(as.ordered(limitexpdif3) ~ word_emperor + word_emperor_liberal,
           data = dL, Hess = T)
summary(mC01)
```

Ordinal Logit with 3 Category DV (Table G.8)

```
## Call:
## polr(formula = as.ordered(limitexpdif3) ~ word_emperor + word_emperor_liberal,
##     data = dL, Hess = T)
##
## Coefficients:
##                       Value Std. Error t value
## word_emperor         0.2474      0.224   1.104
## word_emperor_liberal 0.3196      0.217   1.473
##
## Intercepts:
##               Value   Std. Error t value
## Weaker|Same   -1.4960  0.1560    -9.5917
## Same|Stronger  3.0762  0.2129    14.4466
##
## Residual Deviance: 925.0985
## AIC: 933.0985
## (38 observations deleted due to missingness)
```

```
coeftest(mC01, vcov.=vcovCL(mC01,cluster=na.omit(dL[,c("start_id",all.vars(mC01$terms))])$start_id))
```

```
##
## t test of coefficients:
##
##                      Estimate Std. Error t value Pr(>|t|)
## word_emperor          0.24739    0.22633  1.0931   0.2747
## word_emperor_liberal  0.31957    0.22296  1.4333   0.1522
```

```
mC01c_se <- sqrt(diag(vcovCL(mC01,cluster=na.omit(dL[,c("start_id",all.vars(mC01$terms))])$start_id)))
mC01c_p <- pnorm(-abs(summary(mC01)$coefficients[,1]/mC01c_se))*2
mC02 <- polr(as.ordered(limitexpdif3) ~ word_emperor + word_emperor_liberal,
          data = dR, Hess = T)
summary(mC02)
```

```
## Call:
## polr(formula = as.ordered(limitexpdif3) ~ word_emperor + word_emperor_liberal,
##     data = dR, Hess = T)
##
## Coefficients:
##                       Value Std. Error t value
## word_emperor         0.4101     0.2366  1.7333
## word_emperor_liberal 0.1858     0.2346  0.7923
##
## Intercepts:
##               Value   Std. Error t value
## Weaker|Same   -1.6660  0.1713    -9.7260
## Same|Stronger  3.2093  0.2305    13.9219
##
## Residual Deviance: 843.3303
## AIC: 851.3303
## (27 observations deleted due to missingness)
```

```
coeftest(mC02, vcov.=vcovCL(mC02,cluster=na.omit(dR[,c("start_id",all.vars(mC02$terms))])$start_id))
```

```
##
## t test of coefficients:
##
```

```
##                       Estimate Std. Error t value Pr(>|t|)
## word_emperor           0.41006    0.22994  1.7833  0.07495 .
## word_emperor_liberal   0.18583    0.23891  0.7779  0.43691
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
mC02c_se <- sqrt(diag(vcovCL(mC02,cluster=na.omit(dR[,c("start_id",all.vars(mC02$terms))])$start_id)))
mC02c_p <- pnorm(-abs(summary(mC02)$coefficients[,1]/mC02c_se))*2

screenreg(list(mC01,mC02), stars = c(0.1,0.05,0.01,0.001), symbol = "+",
          beside = T, digits = 3, single.row = T,
          override.se = list(mC01c_se,mC02c_se),
          override.pvalues = list(mC01c_p,mC02c_p),
          custom.model.names = c("Hate Speech","Biased History"),
          custom.coef.map = vn)
```

```
##
## ============================================================================
##                                    Hate Speech           Biased History
## ----------------------------------------------------------------------------
## Neg. endorsement (emperor)            0.247 (0.226)         0.410 (0.230) +
## Neg. endorsement (liberal emperor)    0.320 (0.223)         0.186 (0.239)
## Cut: Weaker|Same                     -1.496 (0.165) ***    -1.666 (0.169) ***
## Cut: Same|Stronger                    3.076 (0.229) ***     3.209 (0.227) ***
## ----------------------------------------------------------------------------
## AIC                                  933.099               851.330
## BIC                                  951.482               869.702
## Log Likelihood                      -462.549              -421.665
## Deviance                             925.099               843.330
## Num. obs.                            732                   730
## ============================================================================
## *** p < 0.001; ** p < 0.01; * p < 0.05; + p < 0.1
```

```
texreg(list(mC01,mC02), stars = c(0.1,0.05,0.01,0.001), symbol = "+",
       beside = T, digits = 3, single.row = T,
       override.se = list(mC01c_se,mC02c_se),
       override.pvalues = list(mC01c_p,mC02c_p),
       custom.model.names = c("Hate Speech","Biased History"),
       custom.coef.map = vn,
       custom.note = "%stars. Robust standard errors in parentheses.",
       use.packages = FALSE, booktabs = TRUE, dcolumn = TRUE, caption.above = TRUE, fontsize = "scriptsi
       caption = "Endorsement treatment effects on the difference in the support for regulating expressi
       file = "../out/resout_endorsement_diff_ol_3out_v2.tex",
       label = "table:resout_endorsement_diff_ol_3out")
```

Panel Models

```
## Subset data
dLpanel <- subset(dpanel, frame_left==1)
dRpanel <- subset(dpanel, frame_right==1)
```

```
## Baseline (Linear Model)
mbL1 <- lm(limitexp ~
```

```
            after + Aword_emperor + Aword_emperor_liberal +
            Bword_emperor + Bword_emperor_liberal,
          data = dLpanel)
coeftest(mbL1, vcov.=vcovCL(mbL1,cluster=na.omit(dLpanel[,c("start_id",all.vars(mbL1$terms))])$start_id
```

Linear Model (Baseline)

```
##
## t test of coefficients:
##
##                          Estimate Std. Error t value  Pr(>|t|)
## (Intercept)              2.265625   0.061403 36.8974 < 2.2e-16 ***
## after                   -0.182621   0.041993 -4.3488 1.462e-05 ***
## Aword_emperor            0.065362   0.054542  1.1984   0.23096
## Aword_emperor_liberal    0.095169   0.053869  1.7667   0.07749 .
## Bword_emperor            0.042745   0.088949  0.4806   0.63090
## Bword_emperor_liberal -0.037488   0.089371 -0.4195   0.67494
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
mbL1c_se <- sqrt(diag(vcovCL(mbL1,cluster=na.omit(dLpanel[,c("start_id",all.vars(mbL1$terms))])$start_id
mbL1c_p <- pt(-abs(summary(mbL1)$coefficients[,1]/mbL1c_se), df = mbL1$df.residual)*2
mbL2 <- lm(limitexp ~
            after + Aword_emperor + Aword_emperor_liberal +
            Bword_emperor + Bword_emperor_liberal,
          data = dRpanel)
summary(mbL2)
```

```
##
## Call:
## lm(formula = limitexp ~ after + Aword_emperor + Aword_emperor_liberal +
##     Bword_emperor + Bword_emperor_liberal, data = dRpanel)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -2.13100 -0.96169  0.03968  0.96512  2.06550
##
## Coefficients:
##                          Estimate Std. Error t value Pr(>|t|)
## (Intercept)               2.13100    0.07102  30.004   <2e-16 ***
## after                    -0.19651    0.10044  -1.956   0.0506 .
## Aword_emperor             0.12331    0.13781   0.895   0.3711
## Aword_emperor_liberal     0.08511    0.13883   0.613   0.5399
## Bword_emperor            -0.09612    0.09758  -0.985   0.3248
## Bword_emperor_liberal -0.05929    0.09822  -0.604   0.5462
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 1.075 on 1474 degrees of freedom
##   (34 observations deleted due to missingness)
## Multiple R-squared:  0.004077,   Adjusted R-squared:  0.0006987
## F-statistic: 1.207 on 5 and 1474 DF,  p-value: 0.3035
```

```
coeftest(mbL2, vcov.=vcovCL(mbL2,cluster=na.omit(dRpanel[,c("start_id",all.vars(mbL2$terms))])$start_id
```

```
##
```

```
## t test of coefficients:
##
##                         Estimate Std. Error t value  Pr(>|t|)
## (Intercept)             2.131004   0.068102 31.2914 < 2.2e-16 ***
## after                  -0.196507   0.047344 -4.1506 3.505e-05 ***
## Aword_emperor           0.123309   0.058587  2.1047   0.03548 *
## Aword_emperor_liberal   0.085111   0.061716  1.3791   0.16808
## Bword_emperor          -0.096121   0.096735 -0.9937   0.32056
## Bword_emperor_liberal -0.059291   0.096302 -0.6157   0.53820
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
mbL2c_se <- sqrt(diag(vcovCL(mbL2,cluster=na.omit(dRpanel[,c("start_id",all.vars(mbL2$terms))])$start_i
mbL2c_p <- pt(-abs(summary(mbL2)$coefficients[,1]/mbL2c_se), df = mbL2$df.residual)*2

screenreg(list(mbL1,mbL2), stars = c(0.1,0.05,0.01,0.001), symbol = "+",
          beside = T, digits = 3, single.row = T,
          override.se = list(mbL1c_se,mbL2c_se),
          override.pvalues = list(mbL1c_p,mbL2c_p),
          custom.model.names = c("Hate Speech","Biased History"),
          custom.coef.map = vn)
```

```
##
## ============================================================================
##                                      Hate Speech           Biased History
## ----------------------------------------------------------------------------
## (Intercept)                            2.266 (0.061) ***     2.131 (0.068) ***
## After endorsement                     -0.183 (0.042) ***    -0.197 (0.047) ***
## Neg. endorsement (emperor)             0.065 (0.055)         0.123 (0.059) *
## Neg. endorsement (liberal emperor)     0.095 (0.054) +       0.085 (0.062)
## Emperor (before endorsement)           0.043 (0.089)        -0.096 (0.097)
## Liberal emperor (before endorsement)  -0.037 (0.089)        -0.059 (0.096)
## ----------------------------------------------------------------------------
## R^2                                    0.006                 0.004
## Adj. R^2                               0.002                 0.001
## Num. obs.                           1487                  1480
## ============================================================================
## *** p < 0.001; ** p < 0.01; * p < 0.05; + p < 0.1
```

```
## Extended (Linear Model)
mL1 <- lm(limitexp ~
            after + Aword_emperor + Aword_emperor_liberal +
            Bword_emperor + Bword_emperor_liberal +
            fem + age + inccat + educat + employed + knall + csup + eqview + hmview,
          data = dLpanel)
summary(mL1)
```

Linear Model (Extended)

```
##
## Call:
## lm(formula = limitexp ~ after + Aword_emperor + Aword_emperor_liberal +
##     Bword_emperor + Bword_emperor_liberal + fem + age + inccat +
##     educat + employed + knall + csup + eqview + hmview, data = dLpanel)
```

```
##
## Residuals:
##     Min      1Q  Median      3Q     Max
## -2.4561 -0.9866  0.1630  0.7988  2.0828
##
## Coefficients:
##                            Estimate Std. Error t value Pr(>|t|)
## (Intercept)                1.768605   0.185473   9.536   <2e-16 ***
## after                     -0.175927   0.091228  -1.928   0.0540 .
## Aword_emperor              0.059525   0.132226   0.450   0.6526
## Aword_emperor_liberal      0.086267   0.127322   0.678   0.4982
## Bword_emperor              0.031364   0.093818   0.334   0.7382
## Bword_emperor_liberal     -0.061082   0.090508  -0.675   0.4999
## fem                        0.170273   0.056864   2.994   0.0028 **
## age                        0.002836   0.002665   1.064   0.2874
## inccatMiddle (>=4m,<8m)   -0.035616   0.063310  -0.563   0.5738
## inccatHigh (>=8m)         -0.027564   0.086673  -0.318   0.7505
## inccatMissing              0.077714   0.087873   0.884   0.3766
## educat>SHS & <University   0.056601   0.089090   0.635   0.5253
## educat>=University         0.005268   0.076078   0.069   0.9448
## employed                   0.066152   0.062153   1.064   0.2874
## knall                     -0.101228   0.105269  -0.962   0.3364
## csup                       0.148791   0.058729   2.534   0.0114 *
## eqview                     0.240261   0.115867   2.074   0.0383 *
## hmview                     0.223620   0.135191   1.654   0.0983 .
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 1.011 on 1437 degrees of freedom
##   (85 observations deleted due to missingness)
## Multiple R-squared:  0.02548,    Adjusted R-squared:  0.01396
## F-statistic: 2.211 on 17 and 1437 DF,  p-value: 0.003074
```

```
coeftest(mL1, vcov.=vcovCL(mL1,cluster=na.omit(dLpanel[,c("start_id",all.vars(mL1$terms))])$start_id))
```

```
##
## t test of coefficients:
##
##                             Estimate Std. Error t value  Pr(>|t|)
## (Intercept)                1.7686048  0.2413692  7.3274 3.899e-13 ***
## after                     -0.1759270  0.0429939 -4.0919 4.516e-05 ***
## Aword_emperor              0.0595253  0.0557252  1.0682   0.28561
## Aword_emperor_liberal      0.0862674  0.0549693  1.5694   0.11678
## Bword_emperor              0.0313638  0.0908015  0.3454   0.72984
## Bword_emperor_liberal     -0.0610816  0.0907395 -0.6732   0.50096
## fem                        0.1702729  0.0774545  2.1984   0.02808 *
## age                        0.0028356  0.0037519  0.7558   0.44990
## inccatMiddle (>=4m,<8m)   -0.0356157  0.0846827 -0.4206   0.67413
## inccatHigh (>=8m)         -0.0275639  0.1207710 -0.2282   0.81950
## inccatMissing              0.0777144  0.1116006  0.6964   0.48631
## educat>SHS & <University   0.0566012  0.1220115  0.4639   0.64279
## educat>=University         0.0052681  0.1013242  0.0520   0.95854
## employed                   0.0661519  0.0820389  0.8063   0.42018
## knall                     -0.1012277  0.1397503 -0.7243   0.46897
## csup                       0.1487909  0.0797630  1.8654   0.06233 .
```

```
## eqview                    0.2402614  0.1723505  1.3940   0.16352
## hmview                    0.2236202  0.1955739  1.1434   0.25306
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
mL1c_se <- sqrt(diag(vcovCL(mL1,cluster=na.omit(dLpanel[,c("start_id",all.vars(mL1$terms))])$start_id))
mL1c_p <- pt(-abs(summary(mL1)$coefficients[,1]/mL1c_se), df = mL1$df.residual)*2
mL2 <- lm(limitexp ~
            after + Aword_emperor + Aword_emperor_liberal +
            Bword_emperor + Bword_emperor_liberal +
            fem + age + inccat + educat + employed + knall + csup + eqview + hmview,
          data = dRpanel)
summary(mL2)
```

```
##
## Call:
## lm(formula = limitexp ~ after + Aword_emperor + Aword_emperor_liberal +
##     Bword_emperor + Bword_emperor_liberal + fem + age + inccat +
##     educat + employed + knall + csup + eqview + hmview, data = dRpanel)
##
## Residuals:
##     Min      1Q  Median      3Q     Max
## -2.5297 -0.8907  0.1760  0.9422  2.2405
##
## Coefficients:
##                            Estimate Std. Error t value Pr(>|t|)
## (Intercept)                1.635123   0.184977   8.840  < 2e-16 ***
## after                     -0.197336   0.099883  -1.976  0.04838 *
## Aword_emperor              0.124536   0.136813   0.910  0.36284
## Aword_emperor_liberal      0.086665   0.137584   0.630  0.52885
## Bword_emperor             -0.027484   0.097235  -0.283  0.77748
## Bword_emperor_liberal     -0.015764   0.097852  -0.161  0.87204
## fem                       -0.030650   0.059652  -0.514  0.60746
## age                        0.003035   0.002647   1.147  0.25162
## inccatMiddle (>=4m,<8m)    0.032676   0.066681   0.490  0.62418
## inccatHigh (>=8m)          0.097459   0.087471   1.114  0.26539
## inccatMissing              0.163737   0.091839   1.783  0.07482 .
## educat>SHS & <University  -0.056200   0.092068  -0.610  0.54168
## educat>=University        -0.189332   0.076183  -2.485  0.01306 *
## employed                  -0.005567   0.066161  -0.084  0.93296
## knall                      0.014963   0.102000   0.147  0.88339
## csup                       0.361223   0.063444   5.694 1.51e-08 ***
## eqview                     0.364425   0.126828   2.873  0.00412 **
## hmview                     0.234033   0.139064   1.683  0.09261 .
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 1.055 on 1434 degrees of freedom
##   (62 observations deleted due to missingness)
## Multiple R-squared:  0.0533, Adjusted R-squared:  0.04208
## F-statistic: 4.749 on 17 and 1434 DF,  p-value: 5.877e-10
```

```
coeftest(mL2, vcov.=vcovCL(mL2,cluster=na.omit(dRpanel[,c("start_id",all.vars(mL2$terms))])$start_id))
```

```
##
```

```
## t test of coefficients:
##
##                              Estimate Std. Error t value  Pr(>|t|)
## (Intercept)                 1.6351233  0.2531016  6.4603 1.427e-10 ***
## after                      -0.1973359  0.0488291 -4.0414 5.596e-05 ***
## Aword_emperor               0.1245362  0.0603558  2.0634   0.03926 *
## Aword_emperor_liberal       0.0866654  0.0631178  1.3731   0.16994
## Bword_emperor              -0.0274838  0.0975505 -0.2817   0.77818
## Bword_emperor_liberal      -0.0157636  0.0968901 -0.1627   0.87078
## fem                        -0.0306498  0.0822347 -0.3727   0.70942
## age                         0.0030354  0.0035931  0.8448   0.39838
## inccatMiddle (>=4m,<8m)     0.0326761  0.0897279  0.3642   0.71579
## inccatHigh (>=8m)           0.0974590  0.1206660  0.8077   0.41941
## inccatMissing               0.1637368  0.1196910  1.3680   0.17153
## educat>SHS & <University -0.0562002  0.1252419 -0.4487   0.65369
## educat>=University         -0.1893322  0.1013027 -1.8690   0.06183 .
## employed                   -0.0055668  0.0894809 -0.0622   0.95040
## knall                       0.0149634  0.1382876  0.1082   0.91385
## csup                        0.3612227  0.0826764  4.3691 1.337e-05 ***
## eqview                      0.3644251  0.1765989  2.0636   0.03924 *
## hmview                      0.2340334  0.2050036  1.1416   0.25381
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```r
mL2c_se <- sqrt(diag(vcovCL(mL2,cluster=na.omit(dRpanel[,c("start_id",all.vars(mL2$terms))])$start_id))
mL2c_p <- pt(-abs(summary(mL2)$coefficients[,1]/mL2c_se), df = mL2$df.residual)*2

screenreg(list(mL1,mL2), stars = c(0.1,0.05,0.01,0.001), symbol = "+",
          beside = T, digits = 3, single.row = T,
          override.se = list(mL1c_se,mL2c_se),
          override.pvalues = list(mL1c_p,mL2c_p),
          custom.model.names = c("Hate Speech","Biased History"),
          custom.coef.map = vn)
```

```
##
## ==================================================================================
##                                          Hate Speech           Biased History
## ----------------------------------------------------------------------------------
## (Intercept)                                 1.769 (0.241) ***     1.635 (0.253) ***
## After endorsement                          -0.176 (0.043) ***    -0.197 (0.049) ***
## Neg. endorsement (emperor)                  0.060 (0.056)         0.125 (0.060) *
## Neg. endorsement (liberal emperor)          0.086 (0.055)         0.087 (0.063)
## Emperor (before endorsement)                0.031 (0.091)        -0.027 (0.098)
## Liberal emperor (before endorsement)       -0.061 (0.091)        -0.016 (0.097)
## Gender (female)                             0.170 (0.077) *      -0.031 (0.082)
## Age                                         0.003 (0.004)         0.003 (0.004)
## Income (middle)                            -0.036 (0.085)         0.033 (0.090)
## Income (high)                              -0.028 (0.121)         0.097 (0.121)
## Income (missing)                            0.078 (0.112)         0.164 (0.120)
## Education (junior college/tech. school)     0.057 (0.122)        -0.056 (0.125)
## Education (university)                      0.005 (0.101)        -0.189 (0.101) +
## Employed                                    0.066 (0.082)        -0.006 (0.089)
## Political knowledge (0-1)                  -0.101 (0.140)         0.015 (0.138)
## Approve Abe Cabinet                         0.149 (0.080) +       0.361 (0.083) ***
## Japanese society is equal (0-1)             0.240 (0.172)         0.364 (0.177) *
```

```
## Japanese society is homogeneous (0-1)       0.224 (0.196)         0.234 (0.205)
## ------------------------------------------------------------------------------------
## R^2                                          0.025                 0.053
## Adj. R^2                                     0.014                 0.042
## Num. obs.                                 1455                  1452
## ====================================================================================
## *** p < 0.001; ** p < 0.01; * p < 0.05; + p < 0.1
```

```
## Baseline (Logit)
mbG1 <- glm(limitexp > 1 ~
             after + Aword_emperor + Aword_emperor_liberal +
             Bword_emperor + Bword_emperor_liberal,
           data = dLpanel, family=binomial("logit"))
coeftest(mbG1, vcov.=vcovCL(mbG1,cluster=na.omit(dLpanel[,c("start_id",all.vars(mbG1$terms))])$start_id
```

Logit (Baseline)

```
##
## z test of coefficients:
##
##                         Estimate Std. Error z value  Pr(>|z|)
## (Intercept)             1.119555   0.145197  7.7106 1.253e-14 ***
## after                  -0.366510   0.098871 -3.7070 0.0002098 ***
## Aword_emperor           0.094468   0.147713  0.6395 0.5224756
## Aword_emperor_liberal   0.238386   0.130494  1.8268 0.0677307 .
## Bword_emperor           0.119103   0.215419  0.5529 0.5803397
## Bword_emperor_liberal -0.181874   0.199779 -0.9104 0.3626261
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
mbG1c_se <- sqrt(diag(vcovCL(mbG1,cluster=na.omit(dLpanel[,c("start_id",all.vars(mbG1$terms))])$start_id
mbG1c_p <- pnorm(-abs(summary(mbG1)$coefficients[,1]/mbG1c_se))*2
mbG2 <- glm(limitexp > 1 ~
             after + Aword_emperor + Aword_emperor_liberal +
             Bword_emperor + Bword_emperor_liberal,
           data = dRpanel, family=binomial("logit"))
summary(mbG2)
```

```
##
## Call:
## glm(formula = limitexp > 1 ~ after + Aword_emperor + Aword_emperor_liberal +
##     Bword_emperor + Bword_emperor_liberal, family = binomial("logit"),
##     data = dRpanel)
##
## Deviance Residuals:
##     Min       1Q   Median       3Q      Max
## -1.4941  -1.3586   0.9424   1.0055   1.0335
##
## Coefficients:
##                        Estimate Std. Error z value Pr(>|z|)
## (Intercept)              0.7195     0.1408   5.110 3.23e-07 ***
## after                   -0.3031     0.1951  -1.553    0.120
## Aword_emperor            0.1776     0.2650   0.670    0.503
## Aword_emperor_liberal    0.1402     0.2683   0.523    0.601
```

```
## Bword_emperor          -0.2457     0.1903  -1.291    0.197
## Bword_emperor_liberal  -0.1379     0.1927  -0.715    0.474
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## (Dispersion parameter for binomial family taken to be 1)
##
##     Null deviance: 1966.2  on 1479  degrees of freedom
## Residual deviance: 1961.1  on 1474  degrees of freedom
##   (34 observations deleted due to missingness)
## AIC: 1973.1
##
## Number of Fisher Scoring iterations: 4
```

```
coeftest(mbG2, vcov.=vcovCL(mbG2,cluster=na.omit(dRpanel[,c("start_id",all.vars(mbG2$terms))])$start_id
```

```
##
## z test of coefficients:
##
##                        Estimate Std. Error z value  Pr(>|z|)
## (Intercept)             0.71946    0.14090  5.1061 3.288e-07 ***
## after                  -0.30307    0.08693 -3.4864 0.0004897 ***
## Aword_emperor           0.17759    0.10725  1.6559 0.0977488 .
## Aword_emperor_liberal   0.14019    0.11235  1.2478 0.2120996
## Bword_emperor          -0.24568    0.19043 -1.2901 0.1970162
## Bword_emperor_liberal -0.13787    0.19287 -0.7148 0.4747118
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
mbG2c_se <- sqrt(diag(vcovCL(mbG2,cluster=na.omit(dRpanel[,c("start_id",all.vars(mbG2$terms))])$start_i
mbG2c_p <- pnorm(-abs(summary(mbG2)$coefficients[,1]/mbG2c_se))*2

screenreg(list(mbG1,mbG2), stars = c(0.1,0.05,0.01,0.001), symbol = "+",
          beside = T, digits = 3, single.row = T,
          override.se = list(mbG1c_se,mbG2c_se),
          override.pvalues = list(mbG1c_p,mbG2c_p),
          custom.model.names = c("Hate Speech","Biased History"),
          custom.coef.map = vn)
```

```
##
## ============================================================================
##                                      Hate Speech           Biased History
## ----------------------------------------------------------------------------
## (Intercept)                            1.120 (0.145) ***     0.719 (0.141) ***
## After endorsement                     -0.367 (0.099) ***    -0.303 (0.087) ***
## Neg. endorsement (emperor)             0.094 (0.148)         0.178 (0.107) +
## Neg. endorsement (liberal emperor)     0.238 (0.130) +       0.140 (0.112)
## Emperor (before endorsement)           0.119 (0.215)        -0.246 (0.190)
## Liberal emperor (before endorsement)  -0.182 (0.200)        -0.138 (0.193)
## ----------------------------------------------------------------------------
## AIC                                 1759.107              1973.131
## BIC                                 1790.934              2004.930
## Log Likelihood                      -873.554              -980.566
## Deviance                            1747.107              1961.131
## Num. obs.                           1487                  1480
```

```
## ================================================================================
## *** p < 0.001; ** p < 0.01; * p < 0.05; + p < 0.1
```

```
## Extended (Logit)
mG1 <- glm(limitexp > 1 ~
            after + Aword_emperor + Aword_emperor_liberal +
            Bword_emperor + Bword_emperor_liberal +
            fem + age + inccat + educat + employed + knall + csup + eqview + hmview,
          data = dLpanel, family=binomial("logit"))
summary(mG1)
```

Logit (Extended)

```
##
## Call:
## glm(formula = limitexp > 1 ~ after + Aword_emperor + Aword_emperor_liberal +
##     Bword_emperor + Bword_emperor_liberal + fem + age + inccat +
##     educat + employed + knall + csup + eqview + hmview, family = binomial("logit"),
##     data = dLpanel)
##
## Deviance Residuals:
##     Min       1Q   Median       3Q      Max
## -2.1719  -1.3273   0.7007   0.8420   1.1792
##
## Coefficients:
##                            Estimate Std. Error z value Pr(>|z|)
## (Intercept)               -0.027651   0.411318  -0.067   0.9464
## after                     -0.358714   0.203409  -1.764   0.0778 .
## Aword_emperor              0.082653   0.301698   0.274   0.7841
## Aword_emperor_liberal      0.223603   0.281835   0.793   0.4276
## Bword_emperor              0.125898   0.221429   0.569   0.5696
## Bword_emperor_liberal     -0.208420   0.205371  -1.015   0.3102
## fem                        0.668322   0.129633   5.156 2.53e-07 ***
## age                        0.002759   0.005898   0.468   0.6399
## inccatMiddle (>=4m,<8m)   -0.006748   0.140546  -0.048   0.9617
## inccatHigh (>=8m)         -0.052051   0.193156  -0.269   0.7876
## inccatMissing              0.382482   0.206755   1.850   0.0643 .
## educat>SHS & <University   0.201655   0.201680   1.000   0.3174
## educat>=University         0.108389   0.167427   0.647   0.5174
## employed                   0.239998   0.139209   1.724   0.0847 .
## knall                     -0.102292   0.236403  -0.433   0.6652
## csup                       0.180736   0.131844   1.371   0.1704
## eqview                     0.522764   0.260234   2.009   0.0446 *
## hmview                     0.285532   0.299263   0.954   0.3400
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## (Dispersion parameter for binomial family taken to be 1)
##
##     Null deviance: 1724.7  on 1454  degrees of freedom
## Residual deviance: 1674.9  on 1437  degrees of freedom
##   (85 observations deleted due to missingness)
## AIC: 1710.9
##
```

```
## Number of Fisher Scoring iterations: 4
```

```
coeftest(mG1, vcov.=vcovCL(mG1,cluster=na.omit(dLpanel[,c("start_id",all.vars(mG1$terms))])$start_id))
```

```
##
## z test of coefficients:
##
##                             Estimate Std. Error z value  Pr(>|z|)
## (Intercept)               -0.0276510  0.5331538 -0.0519 0.9586378
## after                     -0.3587144  0.1022938 -3.5067 0.0004537 ***
## Aword_emperor              0.0826526  0.1534837  0.5385 0.5902247
## Aword_emperor_liberal      0.2236035  0.1349755  1.6566 0.0975957 .
## Bword_emperor              0.1258980  0.2213325  0.5688 0.5694796
## Bword_emperor_liberal     -0.2084203  0.2055676 -1.0139 0.3106415
## fem                        0.6683222  0.1714835  3.8973 9.727e-05 ***
## age                        0.0027594  0.0078253  0.3526 0.7243715
## inccatMiddle (>=4m,<8m)   -0.0067478  0.1826292 -0.0369 0.9705263
## inccatHigh (>=8m)         -0.0520508  0.2661389 -0.1956 0.8449408
## inccatMissing              0.3824823  0.2722891  1.4047 0.1601129
## educat>SHS & <University   0.2016554  0.2693657  0.7486 0.4540800
## educat>=University         0.1083892  0.2220445  0.4881 0.6254494
## employed                   0.2399979  0.1857487  1.2921 0.1963375
## knall                     -0.1022922  0.3040679 -0.3364 0.7365599
## csup                       0.1807358  0.1762786  1.0253 0.3052287
## eqview                     0.5227645  0.3636032  1.4377 0.1505097
## hmview                     0.2855321  0.4033094  0.7080 0.4789621
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
mG1c_se <- sqrt(diag(vcovCL(mG1,cluster=na.omit(dLpanel[,c("start_id",all.vars(mG1$terms))])$start_id)))
mG1c_p <- pnorm(-abs(summary(mG1)$coefficients[,1]/mG1c_se))*2
mG2 <- glm(limitexp > 1 ~
            after + Aword_emperor + Aword_emperor_liberal +
            Bword_emperor + Bword_emperor_liberal +
            fem + age + inccat + educat + employed + knall + csup + eqview + hmview,
          data = dRpanel, family=binomial("logit"))
summary(mG2)
```

```
##
## Call:
## glm(formula = limitexp > 1 ~ after + Aword_emperor + Aword_emperor_liberal +
##     Bword_emperor + Bword_emperor_liberal + fem + age + inccat +
##     educat + employed + knall + csup + eqview + hmview, family = binomial("logit"),
##     data = dRpanel)
##
## Deviance Residuals:
##     Min       1Q   Median       3Q      Max
## -1.9083  -1.2490   0.7913   1.0180   1.3207
##
## Coefficients:
##                            Estimate Std. Error z value Pr(>|z|)
## (Intercept)               -0.100843   0.369221  -0.273  0.78476
## after                     -0.321494   0.200579  -1.603  0.10897
## Aword_emperor              0.185357   0.272657   0.680  0.49662
## Aword_emperor_liberal      0.148240   0.275386   0.538  0.59037
```

```
## Bword_emperor            -0.148870   0.196268  -0.759  0.44815
## Bword_emperor_liberal    -0.061758   0.198699  -0.311  0.75594
## fem                      -0.013283   0.118673  -0.112  0.91088
## age                       0.007677   0.005309   1.446  0.14815
## inccatMiddle (>=4m,<8m)   0.009823   0.132126   0.074  0.94073
## inccatHigh (>=8m)         0.170841   0.173761   0.983  0.32551
## inccatMissing             0.324232   0.185861   1.744  0.08107 .
## educat>SHS & <University -0.038714   0.186041  -0.208  0.83515
## educat>=University       -0.277884   0.153170  -1.814  0.06964 .
## employed                 -0.003971   0.131871  -0.030  0.97598
## knall                     0.127308   0.203742   0.625  0.53207
## csup                      0.662220   0.131269   5.045 4.54e-07 ***
## eqview                    0.656256   0.254562   2.578  0.00994 **
## hmview                    0.096727   0.275519   0.351  0.72553
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## (Dispersion parameter for binomial family taken to be 1)
##
##     Null deviance: 1931.6  on 1451  degrees of freedom
## Residual deviance: 1872.5  on 1434  degrees of freedom
##   (62 observations deleted due to missingness)
## AIC: 1908.5
##
## Number of Fisher Scoring iterations: 4
```

```
coeftest(mG2, vcov.=vcovCL(mG2,cluster=na.omit(dRpanel[,c("start_id",all.vars(mG2$terms))])$start_id))
```

```
##
## z test of coefficients:
##
##                            Estimate Std. Error z value  Pr(>|z|)
## (Intercept)              -0.1008432  0.4947043 -0.2038 0.8384743
## after                    -0.3214944  0.0924613 -3.4771 0.0005069 ***
## Aword_emperor             0.1853574  0.1143145  1.6215 0.1049173
## Aword_emperor_liberal     0.1482402  0.1189828  1.2459 0.2128025
## Bword_emperor            -0.1488702  0.1983335 -0.7506 0.4528903
## Bword_emperor_liberal    -0.0617579  0.2012416 -0.3069 0.7589313
## fem                      -0.0132833  0.1622516 -0.0819 0.9347512
## age                       0.0076769  0.0071753  1.0699 0.2846621
## inccatMiddle (>=4m,<8m)   0.0098232  0.1775147  0.0553 0.9558695
## inccatHigh (>=8m)         0.1708409  0.2351696  0.7265 0.4675577
## inccatMissing             0.3242319  0.2520760  1.2862 0.1983570
## educat>SHS & <University -0.0387144  0.2520039 -0.1536 0.8779046
## educat>=University       -0.2778839  0.2069954 -1.3425 0.1794454
## employed                 -0.0039708  0.1787789 -0.0222 0.9822798
## knall                     0.1273075  0.2832552  0.4494 0.6531109
## csup                      0.6622202  0.1755649  3.7719 0.0001620 ***
## eqview                    0.6562562  0.3546259  1.8506 0.0642330 .
## hmview                    0.0967269  0.3855443  0.2509 0.8019038
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
mG2c_se <- sqrt(diag(vcovCL(mG2,cluster=na.omit(dRpanel[,c("start_id",all.vars(mG2$terms))])$start_id))
mG2c_p <- pnorm(-abs(summary(mG2)$coefficients[,1]/mG2c_se))*2
```

```r
screenreg(list(mG1,mG2), stars = c(0.1,0.05,0.01,0.001), symbol = "+",
          beside = T, digits = 3, single.row = T,
          override.se = list(mG1c_se,mG2c_se),
          override.pvalues = list(mG1c_p,mG2c_p),
          custom.model.names = c("Hate Speech","Biased History"),
          custom.coef.map = vn)
```

```
##
## ============================================================================================
##                                          Hate Speech           Biased History
## --------------------------------------------------------------------------------------------
## (Intercept)                               -0.028 (0.533)        -0.101 (0.495)
## After endorsement                         -0.359 (0.102) ***    -0.321 (0.092) ***
## Neg. endorsement (emperor)                 0.083 (0.153)         0.185 (0.114)
## Neg. endorsement (liberal emperor)         0.224 (0.135) +       0.148 (0.119)
## Emperor (before endorsement)               0.126 (0.221)        -0.149 (0.198)
## Liberal emperor (before endorsement)      -0.208 (0.206)        -0.062 (0.201)
## Gender (female)                            0.668 (0.171) ***    -0.013 (0.162)
## Age                                        0.003 (0.008)         0.008 (0.007)
## Income (middle)                           -0.007 (0.183)         0.010 (0.178)
## Income (high)                             -0.052 (0.266)         0.171 (0.235)
## Income (missing)                           0.382 (0.272)         0.324 (0.252)
## Education (junior college/tech. school)    0.202 (0.269)        -0.039 (0.252)
## Education (university)                     0.108 (0.222)        -0.278 (0.207)
## Employed                                   0.240 (0.186)        -0.004 (0.179)
## Political knowledge (0-1)                 -0.102 (0.304)         0.127 (0.283)
## Approve Abe Cabinet                        0.181 (0.176)         0.662 (0.176) ***
## Japanese society is equal (0-1)            0.523 (0.364)         0.656 (0.355) +
## Japanese society is homogeneous (0-1)      0.286 (0.403)         0.097 (0.386)
## --------------------------------------------------------------------------------------------
## AIC                                     1710.928              1908.465
## BIC                                     1806.017              2003.518
## Log Likelihood                          -837.464              -936.233
## Deviance                                1674.928              1872.465
## Num. obs.                               1455                  1452
## ============================================================================================
## *** p < 0.001; ** p < 0.01; * p < 0.05; + p < 0.1
```

```r
## Baseline (Ordinal logit)
mbD1 <- polr(as.ordered(limitexp) ~
               after + Aword_emperor + Aword_emperor_liberal +
               Bword_emperor + Bword_emperor_liberal,
             data = dLpanel, Hess = T)
summary(mbD1)
```

Ordinal Logit (Baseline)

```
## Call:
## polr(formula = as.ordered(limitexp) ~ after + Aword_emperor +
##     Aword_emperor_liberal + Bword_emperor + Bword_emperor_liberal,
##     data = dLpanel, Hess = T)
##
## Coefficients:
```

```
##                          Value Std. Error t value
## after                 -0.32905     0.1615 -2.0375
## Aword_emperor          0.13439     0.2373  0.5664
## Aword_emperor_liberal  0.16283     0.2295  0.7096
## Bword_emperor          0.09709     0.1685  0.5763
## Bword_emperor_liberal -0.02659     0.1636 -0.1626
##
## Intercepts:
##     Value    Std. Error t value
## 0|1  -2.8946   0.1536   -18.8470
## 1|2  -1.0586   0.1199    -8.8257
## 2|3  -0.0827   0.1168    -0.7080
## 3|4   3.1180   0.1695    18.3940
##
## Residual Deviance: 3910.771
## AIC: 3928.771
## (53 observations deleted due to missingness)
```

```
coeftest(mbD1, vcov.=vcovCL(mbD1,cluster=na.omit(dLpanel[,c("start_id",all.vars(mbD1$terms))])$start_id
```

```
##
## t test of coefficients:
##
##                         Estimate Std. Error t value  Pr(>|t|)
## after                 -0.329046   0.077784 -4.2302 2.478e-05 ***
## Aword_emperor          0.134392   0.100781  1.3335    0.1826
## Aword_emperor_liberal  0.162830   0.102853  1.5831    0.1136
## Bword_emperor          0.097087   0.165066  0.5882    0.5565
## Bword_emperor_liberal -0.026593   0.166985 -0.1593    0.8735
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
mbD1c_se <- sqrt(diag(vcovCL(mbD1,cluster=na.omit(dLpanel[,c("start_id",all.vars(mbD1$terms))])$start_i
mbD1c_p <- pnorm(-abs(summary(mbD1)$coefficients[,1]/mbD1c_se))*2

mbD2 <- polr(as.ordered(limitexp) ~
               after + Aword_emperor + Aword_emperor_liberal +
               Bword_emperor + Bword_emperor_liberal,
             data = dRpanel, Hess = T)
summary(mbD2)
```

```
## Call:
## polr(formula = as.ordered(limitexp) ~ after + Aword_emperor +
##     Aword_emperor_liberal + Bword_emperor + Bword_emperor_liberal,
##     data = dRpanel, Hess = T)
##
## Coefficients:
##                          Value Std. Error t value
## after                 -0.33006     0.1691 -1.9514
## Aword_emperor          0.20261     0.2349  0.8627
## Aword_emperor_liberal  0.12698     0.2365  0.5369
## Bword_emperor         -0.14551     0.1679 -0.8667
## Bword_emperor_liberal -0.06835     0.1690 -0.4043
##
## Intercepts:
```

```
##     Value    Std. Error t value
## 0|1  -2.5803   0.1472   -17.5235
## 1|2  -0.6724   0.1239    -5.4282
## 2|3  -0.0089   0.1228    -0.0727
## 3|4   3.6049   0.2072    17.4023
##
## Residual Deviance: 3873.784
## AIC: 3891.784
## (34 observations deleted due to missingness)
```

```
coeftest(mbD2, vcov.=vcovCL(mbD2,cluster=na.omit(dRpanel[,c("start_id",all.vars(mbD2$terms))])$start_id
```

```
##
## t test of coefficients:
##
##                          Estimate Std. Error t value  Pr(>|t|)
## after                   -0.330062   0.079255 -4.1645 3.301e-05 ***
## Aword_emperor            0.202608   0.100245  2.0211   0.04345 *
## Aword_emperor_liberal    0.126981   0.105728  1.2010   0.22994
## Bword_emperor           -0.145505   0.168278 -0.8647   0.38736
## Bword_emperor_liberal -0.068349   0.167632 -0.4077   0.68353
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
mbD2c_se <- sqrt(diag(vcovCL(mbD2,cluster=na.omit(dRpanel[,c("start_id",all.vars(mbD2$terms))])$start_i
mbD2c_p <- pnorm(-abs(summary(mbD2)$coefficients[,1]/mbD2c_se))*2

screenreg(list(mbD1,mbD2), stars = c(0.1,0.05,0.01,0.001), symbol = "+",
          beside = T, digits = 3, single.row = T,
          override.se = list(mbD1c_se,mbD2c_se),
          override.pvalues = list(mbD1c_p,mbD2c_p),
          custom.model.names = c("Hate Speech","Biased History"),
          custom.coef.map = vn)
```

```
##
## ============================================================================================
##                                                  Hate Speech            Biased History
## --------------------------------------------------------------------------------------------
## After endorsement                                   -0.329 (0.078) ***     -0.330 (0.079) ***
## Neg. endorsement (emperor)                           0.134 (0.101)          0.203 (0.100) *
## Neg. endorsement (liberal emperor)                   0.163 (0.103)          0.127 (0.106)
## Emperor (before endorsement)                         0.097 (0.165)         -0.146 (0.168)
## Liberal emperor (before endorsement)                -0.027 (0.167)         -0.068 (0.168)
## Cut: No, any case|No, as much as possible           -2.895 (0.173) ***     -2.580 (0.157) ***
## Cut: No, as much as possible|Need to be careful     -1.059 (0.120) ***     -0.672 (0.122) ***
## Cut: Need to be careful|Yes, if necessary           -0.083 (0.116)         -0.009 (0.121)
## Cut: Yes, if necessary|Yes, actively                 3.118 (0.201) ***      3.605 (0.236) ***
## --------------------------------------------------------------------------------------------
## AIC                                                3928.771               3891.784
## BIC                                                3976.511               3939.482
## Log Likelihood                                    -1955.385              -1936.892
## Deviance                                           3910.771               3873.784
## Num. obs.                                          1487                   1480
## ============================================================================================
## *** p < 0.001; ** p < 0.01; * p < 0.05; + p < 0.1
```

```r
## Extended (Ordinal logit)
mD1 <- polr(as.ordered(limitexp) ~
             after + Aword_emperor + Aword_emperor_liberal +
             Bword_emperor + Bword_emperor_liberal +
             fem + age + inccat + educat + employed + knall + csup + eqview + hmview,
           data = dLpanel, Hess = T)
summary(mD1)
```

Ordinal Logit (Extended)

```
## Call:
## polr(formula = as.ordered(limitexp) ~ after + Aword_emperor +
##     Aword_emperor_liberal + Bword_emperor + Bword_emperor_liberal +
##     fem + age + inccat + educat + employed + knall + csup + eqview +
##     hmview, data = dLpanel, Hess = T)
##
## Coefficients:
##                              Value Std. Error  t value
## after                     -0.319346   0.165135 -1.93385
## Aword_emperor              0.130573   0.240840  0.54216
## Aword_emperor_liberal      0.152586   0.233090  0.65462
## Bword_emperor              0.070625   0.171964  0.41069
## Bword_emperor_liberal     -0.082776   0.167103 -0.49536
## fem                        0.273791   0.104975  2.60816
## age                        0.004963   0.004946  1.00343
## inccatMiddle (>=4m,<8m)   -0.029429   0.115933 -0.25384
## inccatHigh (>=8m)         -0.022633   0.160315 -0.14118
## inccatMissing              0.098346   0.158348  0.62108
## educat>SHS & <University   0.125544   0.164365  0.76381
## educat>=University         0.010638   0.139560  0.07622
## employed                   0.110175   0.113204  0.97324
## knall                     -0.201023   0.191397 -1.05029
## csup                       0.289330   0.108967  2.65521
## eqview                     0.347677   0.220049  1.58000
## hmview                     0.375412   0.251435  1.49308
##
## Intercepts:
##     Value   Std. Error t value
## 0|1 -2.0721  0.3490    -5.9365
## 1|2 -0.2267  0.3382    -0.6703
## 2|3  0.7429  0.3387     2.1931
## 3|4  3.9471  0.3632    10.8673
##
## Residual Deviance: 3810.253
## AIC: 3852.253
## (85 observations deleted due to missingness)
```

```r
coeftest(mD1, vcov.=vcovCL(mD1,cluster=na.omit(dLpanel[,c("start_id",all.vars(mD1$terms))])$start_id))
```

```
##
## t test of coefficients:
##
##                             Estimate Std. Error t value  Pr(>|t|)
## after                    -0.3193461  0.0806642 -3.9590 7.897e-05 ***
```

```
## Aword_emperor             0.1305729  0.1037456  1.2586   0.20838
## Aword_emperor_liberal     0.1525861  0.1059227  1.4405   0.14993
## Bword_emperor             0.0706247  0.1694532  0.4168   0.67690
## Bword_emperor_liberal    -0.0827763  0.1717814 -0.4819   0.62997
## fem                       0.2737909  0.1452517  1.8849   0.05964 .
## age                       0.0049628  0.0070804  0.7009   0.48347
## inccatMiddle (>=4m,<8m)  -0.0294289  0.1559372 -0.1887   0.85034
## inccatHigh (>=8m)        -0.0226333  0.2259575 -0.1002   0.92023
## inccatMissing             0.0983463  0.2046936  0.4805   0.63098
## educat>SHS & <University  0.1255438  0.2271251  0.5528   0.58052
## educat>=University        0.0106376  0.1894905  0.0561   0.95524
## employed                  0.1101749  0.1510117  0.7296   0.46577
## knall                    -0.2010229  0.2539167 -0.7917   0.42867
## csup                      0.2893298  0.1516115  1.9084   0.05654 .
## eqview                    0.3476768  0.3355126  1.0363   0.30026
## hmview                    0.3754124  0.3643904  1.0302   0.30307
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
mD1c_se <- sqrt(diag(vcovCL(mD1,cluster=na.omit(dLpanel[,c("start_id",all.vars(mD1$terms))])$start_id))
mD1c_p <- pnorm(-abs(summary(mD1)$coefficients[,1]/mD1c_se))*2

mD2 <- polr(as.ordered(limitexp) ~
             after + Aword_emperor + Aword_emperor_liberal +
             Bword_emperor + Bword_emperor_liberal +
             fem + age + inccat + educat + employed + knall + csup + eqview + hmview,
           data = dRpanel, Hess = T)
summary(mD2)
```

```
## Call:
## polr(formula = as.ordered(limitexp) ~ after + Aword_emperor +
##     Aword_emperor_liberal + Bword_emperor + Bword_emperor_liberal +
##     fem + age + inccat + educat + employed + knall + csup + eqview +
##     hmview, data = dRpanel, Hess = T)
##
## Coefficients:
##                              Value Std. Error  t value
## after                     -0.344534   0.173217 -1.98904
## Aword_emperor              0.210693   0.240292  0.87682
## Aword_emperor_liberal      0.125344   0.240910  0.52029
## Bword_emperor             -0.035416   0.172577 -0.20522
## Bword_emperor_liberal      0.009271   0.173041  0.05357
## fem                       -0.055362   0.105898 -0.52279
## age                        0.005625   0.004698  1.19719
## inccatMiddle (>=4m,<8m)    0.058062   0.117971  0.49217
## inccatHigh (>=8m)          0.150093   0.153429  0.97826
## inccatMissing              0.272815   0.160812  1.69648
## educat>SHS & <University -0.081085   0.164606 -0.49260
## educat>=University       -0.318786   0.135249 -2.35703
## employed                 -0.020998   0.116247 -0.18064
## knall                     0.020342   0.179436  0.11337
## csup                      0.642644   0.114420  5.61653
## eqview                    0.628714   0.228527  2.75116
## hmview                    0.404757   0.252329  1.60408
##
```

```
## Intercepts:
##     Value   Std. Error t value
## 0|1 -1.7739  0.3367    -5.2678
## 1|2  0.1787  0.3300     0.5416
## 2|3  0.8543  0.3308     2.5829
## 3|4  4.5639  0.3754    12.1579
##
## Residual Deviance: 3722.753
## AIC: 3764.753
## (62 observations deleted due to missingness)
```

```
coeftest(mD2, vcov.=vcovCL(mD2,cluster=na.omit(dRpanel[,c("start_id",all.vars(mD2$terms))])$start_id))
```

```
##
## t test of coefficients:
##
##                              Estimate Std. Error t value  Pr(>|t|)
## after                     -0.3445343  0.0839818 -4.1025 4.318e-05 ***
## Aword_emperor              0.2106927  0.1076079  1.9580   0.05043 .
## Aword_emperor_liberal      0.1253438  0.1121506  1.1176   0.26391
## Bword_emperor             -0.0354157  0.1767134 -0.2004   0.84119
## Bword_emperor_liberal      0.0092705  0.1724835  0.0537   0.95714
## fem                       -0.0553621  0.1484665 -0.3729   0.70928
## age                        0.0056247  0.0064780  0.8683   0.38539
## inccatMiddle (>=4m,<8m)    0.0580616  0.1608004  0.3611   0.71809
## inccatHigh (>=8m)          0.1500933  0.2095572  0.7162   0.47396
## inccatMissing              0.2728146  0.2106190  1.2953   0.19543
## educat>SHS & <University -0.0810853  0.2288204 -0.3544   0.72312
## educat>=University        -0.3187858  0.1841264 -1.7313   0.08361 .
## employed                  -0.0209983  0.1562135 -0.1344   0.89309
## knall                      0.0203418  0.2451460  0.0830   0.93388
## csup                       0.6426443  0.1534105  4.1891 2.972e-05 ***
## eqview                     0.6287139  0.3263416  1.9266   0.05423 .
## hmview                     0.4047571  0.3830836  1.0566   0.29088
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
mD2c_se <- sqrt(diag(vcovCL(mD2,cluster=na.omit(dRpanel[,c("start_id",all.vars(mD2$terms))])$start_id))
mD2c_p <- pnorm(-abs(summary(mD2)$coefficients[,1]/mD2c_se))*2

screenreg(list(mD1,mD2), stars = c(0.1,0.05,0.01,0.001), symbol = "+",
          beside = T, digits = 3, single.row = T,
          override.se = list(mD1c_se,mD2c_se),
          override.pvalues = list(mD1c_p,mD2c_p),
          custom.model.names = c("Hate Speech","Biased History"),
          custom.coef.map = vn)
```

```
##
## ============================================================================================
##                                                Hate Speech            Biased History
## --------------------------------------------------------------------------------------------
## After endorsement                                 -0.319 (0.081) ***     -0.345 (0.084) ***
## Neg. endorsement (emperor)                         0.131 (0.104)          0.211 (0.108) +
## Neg. endorsement (liberal emperor)                 0.153 (0.106)          0.125 (0.112)
## Emperor (before endorsement)                       0.071 (0.169)         -0.035 (0.177)
```

```
## Liberal emperor (before endorsement)                -0.083 (0.172)          0.009 (0.172)
## Gender (female)                                      0.274 (0.145) +       -0.055 (0.148)
## Age                                                  0.005 (0.007)          0.006 (0.006)
## Income (middle)                                     -0.029 (0.156)          0.058 (0.161)
## Income (high)                                       -0.023 (0.226)          0.150 (0.210)
## Income (missing)                                     0.098 (0.205)          0.273 (0.211)
## Education (junior college/tech. school)              0.126 (0.227)         -0.081 (0.229)
## Education (university)                               0.011 (0.189)         -0.319 (0.184) +
## Employed                                             0.110 (0.151)         -0.021 (0.156)
## Political knowledge (0-1)                           -0.201 (0.254)          0.020 (0.245)
## Approve Abe Cabinet                                  0.289 (0.152) +        0.643 (0.153) ***
## Japanese society is equal (0-1)                      0.348 (0.336)          0.629 (0.326) +
## Japanese society is homogeneous (0-1)                0.375 (0.364)          0.405 (0.383)
## Cut: No, any case|No, as much as possible           -2.072 (0.462) ***     -1.774 (0.472) ***
## Cut: No, as much as possible|Need to be careful     -0.227 (0.443)          0.179 (0.459)
## Cut: Need to be careful|Yes, if necessary            0.743 (0.442) +        0.854 (0.458) +
## Cut: Yes, if necessary|Yes, actively                 3.947 (0.477) ***      4.564 (0.531) ***
## ------------------------------------------------------------------------------------------
## AIC                                               3852.253               3764.753
## BIC                                               3963.191               3875.647
## Log Likelihood                                   -1905.127              -1861.376
## Deviance                                          3810.253               3722.753
## Num. obs.                                         1455                   1452
## ==========================================================================================
## *** p < 0.001; ** p < 0.01; * p < 0.05; + p < 0.1
```

Combined Tables

```r
## Baseline (Linear Regression)
screenreg(list(mbL1,mbL01,mbL2,mbL02), stars = c(0.1,0.05,0.01,0.001), symbol = "+",
          beside = T, digits = 3, single.row = F,
          override.se = list(mbL1c_se,mbL01c_se,mbL2c_se,mbL02c_se),
          override.pvalues = list(mbL1c_p,mbL01c_p,mbL2c_p,mbL02c_p),
          custom.header = list("Hate Speech" = 1:2, "Biased History" = 3:4),
          custom.model.names = rep(c("Panel","Difference"),2),
          custom.coef.map = vn)
```

Linear Model (Baseline) (Table G.2)

```
##
## ==========================================================================================
##                                                Hate Speech              Biased History
##                                          -------------------------  -------------------------
##                                          Panel         Difference   Panel         Difference
## ------------------------------------------------------------------------------------------
## (Intercept)                                2.266 ***   -0.181 ***     2.131 ***   -0.179 ***
##                                           (0.061)      (0.042)       (0.068)      (0.048)
## After endorsement                         -0.183 ***                 -0.197 ***
##                                           (0.042)                    (0.047)
## Neg. endorsement (emperor)                 0.065        0.069         0.123 *      0.116 *
##                                           (0.055)      (0.054)       (0.059)      (0.059)
## Neg. endorsement (liberal emperor)         0.095 +      0.096 +       0.085        0.062
##                                           (0.054)      (0.054)       (0.062)      (0.062)
## Emperor (before endorsement)               0.043                     -0.096
```

```
##                                          (0.089)                    (0.097)
## Liberal emperor (before endorsement)    -0.037                     -0.059
##                                          (0.089)                    (0.096)
## ---------------------------------------------------------------------------------------
## R^2                                       0.006        0.005         0.004        0.006
## Adj. R^2                                  0.002        0.002         0.001        0.003
## Num. obs.                              1487          732          1480          730
## =======================================================================================
## *** p < 0.001; ** p < 0.01; * p < 0.05; + p < 0.1
```

```
texreg(list(mbL1,mbL01,mbL2,mbL02), stars = c(0.1,0.05,0.01,0.001), symbol = "+",
       beside = T, digits = 3, single.row = F,
       override.se = list(mbL1c_se,mbL01c_se,mbL2c_se,mbL02c_se),
       override.pvalues = list(mbL1c_p,mbL01c_p,mbL2c_p,mbL02c_p),
       custom.header = list("Hate Speech" = 1:2, "Biased History" = 3:4),
       custom.model.names = rep(c("Panel","Difference"),2),
       custom.coef.map = vn,
       custom.note = "%stars. Robust standard errors clustered by respondent ID in parentheses.",
       use.packages = FALSE, booktabs = TRUE, dcolumn = TRUE, caption.above = TRUE, fontsize = "scripts
       caption = "Endorsement treatment effects on the support for regulating expression in public plac
       file = "../out/resout_endorsement_lm_base_v2.tex",
       label = "table:resout_endorsement_lm_base")
```

```
## Extended (Linear Regression)
screenreg(list(mL1,mL01,mL2,mL02), stars = c(0.1,0.05,0.01,0.001), symbol = "+",
          beside = T, digits = 3, single.row = F,
          override.se = list(mL1c_se,mL01c_se,mL2c_se,mL02c_se),
          override.pvalues = list(mL1c_p,mL01c_p,mL2c_p,mL02c_p),
          custom.header = list("Hate Speech" = 1:2, "Biased History" = 3:4),
          custom.model.names = rep(c("Panel","Difference"),2),
          custom.coef.map = vn)
```

Linear Model (Extended) (Table G.3)

```
##
## ==========================================================================================
##                                                Hate Speech             Biased History
##                                           ------------------------  ------------------------
##                                           Panel         Difference  Panel         Difference
## ------------------------------------------------------------------------------------------
## (Intercept)                                 1.769 ***   -0.071        1.635 ***   -0.222
##                                            (0.241)      (0.143)      (0.253)      (0.143)
## After endorsement                          -0.176 ***                -0.197 ***
##                                            (0.043)                   (0.049)
## Neg. endorsement (emperor)                  0.060        0.062        0.125 *      0.125 *
##                                            (0.056)      (0.058)      (0.060)      (0.061)
## Neg. endorsement (liberal emperor)          0.086        0.088        0.087        0.068
##                                            (0.055)      (0.056)      (0.063)      (0.064)
## Emperor (before endorsement)                0.031                    -0.027
##                                            (0.091)                   (0.098)
## Liberal emperor (before endorsement)       -0.061                    -0.016
##                                            (0.091)                   (0.097)
## Gender (female)                             0.170 *     -0.095 *     -0.031        0.012
##                                            (0.077)      (0.046)      (0.082)      (0.046)
```

```
## Age                                          0.003       -0.004        0.003        0.002
##                                             (0.004)     (0.002)      (0.004)      (0.002)
## Income (middle)                            -0.036        0.079        0.033        0.039
##                                             (0.085)     (0.052)      (0.090)      (0.060)
## Income (high)                              -0.028        0.031        0.097        0.093
##                                             (0.121)     (0.070)      (0.121)      (0.069)
## Income (missing)                            0.078       -0.032        0.164        0.024
##                                             (0.112)     (0.068)      (0.120)      (0.067)
## Education (junior college/tech. school)     0.057       -0.002       -0.056        0.044
##                                             (0.122)     (0.072)      (0.125)      (0.076)
## Education (university)                      0.005        0.004       -0.189 +      0.003
##                                             (0.101)     (0.067)      (0.101)      (0.066)
## Employed                                    0.066        0.025       -0.006        0.012
##                                             (0.082)     (0.046)      (0.089)      (0.052)
## Political knowledge (0-1)                  -0.101        0.020        0.015       -0.008
##                                             (0.140)     (0.089)      (0.138)      (0.076)
## Approve Abe Cabinet                         0.149 +     -0.036        0.361 ***    0.050
##                                             (0.080)     (0.044)      (0.083)      (0.059)
## Japanese society is equal (0-1)             0.240        0.130        0.364 *     -0.031
##                                             (0.172)     (0.093)      (0.177)      (0.112)
## Japanese society is homogeneous (0-1)       0.224       -0.021        0.234       -0.111
##                                             (0.196)     (0.110)      (0.205)      (0.095)
## ------------------------------------------------------------------------------------------
## R^2                                         0.025        0.026        0.053        0.012
## Adj. R^2                                    0.014        0.006        0.042       -0.008
## Num. obs.                                1455          716          1452          716
## ==========================================================================================
## *** p < 0.001; ** p < 0.01; * p < 0.05; + p < 0.1
```

```
texreg(list(mL1,mL01,mL2,mL02), stars = c(0.1,0.05,0.01,0.001), symbol = "+",
       beside = T, digits = 3, single.row = F,
       override.se = list(mL1c_se,mL01c_se,mL2c_se,mL02c_se),
       override.pvalues = list(mL1c_p,mL01c_p,mL2c_p,mL02c_p),
       custom.header = list("Hate Speech" = 1:2, "Biased History" = 3:4),
       custom.model.names = rep(c("Panel","Difference"),2),
       custom.coef.map = vn,
       custom.note = "%stars. Robust standard errors clustered by respondent ID in parentheses.",
       use.packages = FALSE, booktabs = TRUE, dcolumn = TRUE, caption.above = TRUE, fontsize = "scriptsi
       caption = "Endorsement treatment effects on the support for regulating expression in public place
       file = "../out/resout_endorsement_lm_ext_v2.tex",
       label = "table:resout_endorsement_lm_ext")
```

Logit (Baseline) (Table G.4)

```
## Baseline (Logit)
screenreg(list(mbG1,mbG01,mbG2,mbG02), stars = c(0.1,0.05,0.01,0.001), symbol = "+",
          beside = T, digits = 3, single.row = F,
          override.se = list(mbG1c_se,mbG01c_se,mbG2c_se,mbG02c_se),
          override.pvalues = list(mbG1c_p,mbG01c_p,mbG2c_p,mbG02c_p),
          custom.header = list("Hate Speech" = 1:2, "Biased History" = 3:4),
          custom.model.names = rep(c("Panel","Difference"),2),
          custom.coef.map = vn)
```

```
##
```

```
## ==========================================================================================
##                                                Hate Speech              Biased History
##                                         --------------------------  --------------------------
##                                         Panel         Difference    Panel         Difference
## ------------------------------------------------------------------------------------------
## (Intercept)                               1.120 ***     2.334 ***     0.719 ***     2.500 ***
##                                          (0.145)       (0.223)       (0.141)       (0.252)
## After endorsement                        -0.367 ***                  -0.303 ***
##                                          (0.099)                     (0.087)
## Neg. endorsement (emperor)                0.094         0.296         0.178 +       0.707 +
##                                          (0.148)       (0.349)       (0.107)       (0.410)
## Neg. endorsement (liberal emperor)        0.238 +       0.611 +       0.140         0.399
##                                          (0.130)       (0.362)       (0.112)       (0.381)
## Emperor (before endorsement)              0.119                      -0.246
##                                          (0.215)                     (0.190)
## Liberal emperor (before endorsement)     -0.182                      -0.138
##                                          (0.200)                     (0.193)
## ------------------------------------------------------------------------------------------
## AIC                                     1759.107       367.928      1973.131       312.952
## BIC                                     1790.934       381.715      2004.930       326.732
## Log Likelihood                          -873.554      -180.964      -980.566      -153.476
## Deviance                                1747.107       361.928      1961.131       306.952
## Num. obs.                               1487           732          1480           730
## ==========================================================================================
## *** p < 0.001; ** p < 0.01; * p < 0.05; + p < 0.1
```

```r
texreg(list(mbG1,mbG01,mbG2,mbG02), stars = c(0.1,0.05,0.01,0.001), symbol = "+",
       beside = T, digits = 3, single.row = F,
       override.se = list(mbG1c_se,mbG01c_se,mbG2c_se,mbG02c_se),
       override.pvalues = list(mbG1c_p,mbG01c_p,mbG2c_p,mbG02c_p),
       custom.header = list("Hate Speech" = 1:2, "Biased History" = 3:4),
       custom.model.names = rep(c("Panel","Difference"),2),
       custom.coef.map = vn,
       custom.note = "%stars. Robust standard errors clustered by respondent ID in parentheses.",
       use.packages = FALSE, booktabs = TRUE, dcolumn = TRUE, caption.above = TRUE, fontsize = "scripts
       caption = "Endorsement treatment effects on the support for regulating expression in public plac
       file = "../out/resout_endorsement_logit_base_v2.tex",
       label = "table:resout_endorsement_logit_base")
```

```r
## Extended (Logit)
screenreg(list(mG1,mG01,mG2,mG02), stars = c(0.1,0.05,0.01,0.001), symbol = "+",
          beside = T, digits = 3, single.row = F,
          override.se = list(mG1c_se,mG01c_se,mG2c_se,mG02c_se),
          override.pvalues = list(mG1c_p,mG01c_p,mG2c_p,mG02c_p),
          custom.header = list("Hate Speech" = 1:2, "Biased History" = 3:4),
          custom.model.names = rep(c("Panel","Difference"),2),
          custom.coef.map = vn)
```

Logit (Extended) (Table G.5)

```
##
## ==========================================================================================
##                                                Hate Speech              Biased History
##                                         --------------------------  --------------------------
```

```
##                                          Panel         Difference   Panel         Difference
## ------------------------------------------------------------------------------------------------
## (Intercept)                              -0.028         3.177 **    -0.101         3.823 ***
##                                          (0.533)       (1.002)      (0.495)       (0.985)
## After endorsement                        -0.359 ***                 -0.321 ***
##                                          (0.102)                    (0.092)
## Neg. endorsement (emperor)                0.083         0.321        0.185         0.739 +
##                                          (0.153)       (0.366)      (0.114)       (0.409)
## Neg. endorsement (liberal emperor)        0.224 +       0.572        0.148         0.405
##                                          (0.135)       (0.375)      (0.119)       (0.377)
## Emperor (before endorsement)              0.126                      -0.149
##                                          (0.221)                    (0.198)
## Liberal emperor (before endorsement)     -0.208                      -0.062
##                                          (0.206)                    (0.201)
## Gender (female)                           0.668 ***    -0.710 *     -0.013        -0.315
##                                          (0.171)       (0.318)      (0.162)       (0.330)
## Age                                       0.003        -0.021        0.008        -0.008
##                                          (0.008)       (0.017)      (0.007)       (0.019)
## Income (middle)                          -0.007         0.463        0.010         0.320
##                                          (0.183)       (0.351)      (0.178)       (0.382)
## Income (high)                            -0.052         0.952 +      0.171         0.418
##                                          (0.266)       (0.567)      (0.235)       (0.517)
## Income (missing)                          0.382         0.098        0.324         0.756
##                                          (0.272)       (0.443)      (0.252)       (0.663)
## Education (junior college/tech. school)   0.202         0.514       -0.039         0.211
##                                          (0.269)       (0.517)      (0.252)       (0.587)
## Education (university)                    0.108        -0.135       -0.278        -0.352
##                                          (0.222)       (0.449)      (0.207)       (0.497)
## Employed                                  0.240         0.067       -0.004        -0.135
##                                          (0.186)       (0.316)      (0.179)       (0.403)
## Political knowledge (0-1)                -0.102         0.068        0.127         0.014
##                                          (0.304)       (0.602)      (0.283)       (0.512)
## Approve Abe Cabinet                       0.181        -0.033        0.662 ***     0.017
##                                          (0.176)       (0.353)      (0.176)       (0.360)
## Japanese society is equal (0-1)           0.523         1.189 +      0.656 +       0.300
##                                          (0.364)       (0.696)      (0.355)       (0.660)
## Japanese society is homogeneous (0-1)     0.286        -0.540        0.097        -1.277 +
##                                          (0.403)       (0.786)      (0.386)       (0.673)
## ------------------------------------------------------------------------------------------------
## AIC                                      1710.928       368.424     1908.465       328.071
## BIC                                      1806.017       437.030     2003.518       396.676
## Log Likelihood                           -837.464      -169.212     -936.233      -149.036
## Deviance                                 1674.928       338.424     1872.465       298.071
## Num. obs.                                1455           716         1452           716
## ================================================================================================
## *** p < 0.001; ** p < 0.01; * p < 0.05; + p < 0.1
```

```
texreg(list(mG1,mG01,mG2,mG02), stars = c(0.1,0.05,0.01,0.001), symbol = "+",
       beside = T, digits = 3, single.row = F,
       override.se = list(mG1c_se,mG01c_se,mG2c_se,mG02c_se),
       override.pvalues = list(mG1c_p,mG01c_p,mG2c_p,mG02c_p),
       custom.header = list("Hate Speech" = 1:2, "Biased History" = 3:4),
       custom.model.names = rep(c("Panel","Difference"),2),
       custom.coef.map = vn,
```

```
      custom.note = "%stars. Robust standard errors clustered by respondent ID in parentheses.",
      use.packages = FALSE, booktabs = TRUE, dcolumn = TRUE, caption.above = TRUE, fontsize = "scripts
      caption = "Endorsement treatment effects on the support for regulating expression in public plac
      file = "../out/resout_endorsement_logit_ext_v2.tex",
      label = "table:resout_endorsement_logit_ext")
```

Ordinal Logit (Baseline) (Table G.6)

```
## Baseline (Ordinal logit)
screenreg(list(mbD1,mbD01,mbD2,mbD02), stars = c(0.1,0.05,0.01,0.001), symbol = "+",
          beside = T, digits = 3, single.row = F,
          override.se = list(mbD1c_se,mbD01c_se,mbD2c_se,mbD02c_se),
          override.pvalues = list(mbD1c_p,mbD01c_p,mbD2c_p,mbD02c_p),
          custom.header = list("Hate Speech" = 1:2, "Biased History" = 3:4),
          custom.model.names = rep(c("Panel","Difference"),2),
          custom.coef.map = vn)
```

```
##
## ==========================================================================================
##                                                      Hate Speech                 Biased History
##                                                ---------------------------  ----------------------
##                                                Panel          Difference    Panel          Differe
## ------------------------------------------------------------------------------------------------
## After endorsement                                 -0.329 ***                  -0.330 ***
##                                                   (0.078)                     (0.079)
## Neg. endorsement (emperor)                         0.134         0.264         0.203 *       0.40
##                                                   (0.101)       (0.227)       (0.100)       (0.22
## Neg. endorsement (liberal emperor)                 0.163         0.338         0.127         0.18
##                                                   (0.103)       (0.223)       (0.106)       (0.23
## Emperor (before endorsement)                       0.097                      -0.146
##                                                   (0.165)                     (0.168)
## Liberal emperor (before endorsement)              -0.027                      -0.068
##                                                   (0.167)                     (0.168)
## Cut: No, any case|No, as much as possible         -2.895 ***                  -2.580 ***
##                                                   (0.173)                     (0.157)
## Cut: No, as much as possible|Need to be careful   -1.059 ***                  -0.672 ***
##                                                   (0.120)                     (0.122)
## Cut: Need to be careful|Yes, if necessary         -0.083                      -0.009
##                                                   (0.116)                     (0.121)
## Cut: Yes, if necessary|Yes, actively               3.118 ***                   3.605 ***
##                                                   (0.201)                     (0.236)
## Cut: -2 or under|-1                                            -3.236 ***                  -3.10
##                                                                (0.258)                     (0.23
## Cut: -1|0                                                      -1.484 ***                  -1.66
##                                                                (0.166)                     (0.16
## Cut: 0|1 or above                                               3.089 ***                   3.20
##                                                                (0.230)                     (0.22
## ------------------------------------------------------------------------------------------------
## AIC                                             3928.771      1049.888      3891.784      966.73
## BIC                                             3976.511      1072.867      3939.482      989.70
## Log Likelihood                                 -1955.385      -519.944     -1936.892     -478.36
## Deviance                                        3910.771      1039.888      3873.784      956.73
## Num. obs.                                       1487           732          1480           730
```

```
## ==========================================================================================
## *** p < 0.001; ** p < 0.01; * p < 0.05; + p < 0.1
```

```r
texreg(list(mbD1,mbD01,mbD2,mbD02), stars = c(0.1,0.05,0.01,0.001), symbol = "+",
       beside = T, digits = 3, single.row = F,
       override.se = list(mbD1c_se,mbD01c_se,mbD2c_se,mbD02c_se),
       override.pvalues = list(mbD1c_p,mbD01c_p,mbD2c_p,mbD02c_p),
       custom.header = list("Hate Speech" = 1:2, "Biased History" = 3:4),
       custom.model.names = rep(c("Panel","Difference"),2),
       custom.coef.map = vn,
       custom.note = "%stars. Robust standard errors clustered by respondent ID in parentheses.",
       use.packages = FALSE, booktabs = TRUE, dcolumn = TRUE, caption.above = TRUE, fontsize = "scripts
       caption = "Endorsement treatment effects on the support for regulating expression in public plac
       file = "../out/resout_endorsement_ol_base_v2.tex",
       label = "table:resout_endorsement_ol_base")
```

```r
## Extended (Ordinal logit)
screenreg(list(mD1,mD01,mD2,mD02), stars = c(0.1,0.05,0.01,0.001), symbol = "+",
          beside = T, digits = 3, single.row = F,
          override.se = list(mD1c_se,mD01c_se,mD2c_se,mD02c_se),
          override.pvalues = list(mD1c_p,mD01c_p,mD2c_p,mD02c_p),
          custom.header = list("Hate Speech" = 1:2, "Biased History" = 3:4),
          custom.model.names = rep(c("Panel","Difference"),2),
          custom.coef.map = vn)
```

Ordinal Logit (Extended) (Table G.7)

```
##
## ==========================================================================================
##                                                        Hate Speech                Biased History
##                                                 ---------------------------  ----------------------
##                                                 Panel          Difference    Panel          Differe
## ------------------------------------------------------------------------------------------------
## After endorsement                                  -0.319 ***                  -0.345 ***
##                                                    (0.081)                     (0.084)
## Neg. endorsement (emperor)                          0.131         0.235         0.211 +       0.43
##                                                    (0.104)       (0.240)       (0.108)       (0.23
## Neg. endorsement (liberal emperor)                  0.153         0.307         0.125         0.19
##                                                    (0.106)       (0.228)       (0.112)       (0.24
## Emperor (before endorsement)                        0.071                      -0.035
##                                                    (0.169)                     (0.177)
## Liberal emperor (before endorsement)               -0.083                       0.009
##                                                    (0.172)                     (0.172)
## Gender (female)                                     0.274 +      -0.432 *      -0.055        -0.09
##                                                    (0.145)       (0.201)       (0.148)       (0.19
## Age                                                 0.005        -0.015         0.006         0.00
##                                                    (0.007)       (0.010)       (0.006)       (0.01
## Income (middle)                                    -0.029         0.370 +       0.058         0.08
##                                                    (0.156)       (0.222)       (0.161)       (0.24
## Income (high)                                      -0.023         0.224         0.150         0.27
##                                                    (0.226)       (0.307)       (0.210)       (0.32
## Income (missing)                                    0.098        -0.262         0.273        -0.00
##                                                    (0.205)       (0.274)       (0.211)       (0.28
## Education (junior college/tech. school)             0.126        -0.098        -0.081         0.20
```

```
##                                                  (0.227)       (0.300)       (0.229)       (0.334
## Education (university)                            0.011        -0.134        -0.319 +       0.010
##                                                  (0.189)       (0.270)       (0.184)       (0.244
## Employed                                          0.110         0.119        -0.021         0.118
##                                                  (0.151)       (0.200)       (0.156)       (0.228
## Political knowledge (0-1)                        -0.201         0.057         0.020        -0.074
##                                                  (0.254)       (0.364)       (0.245)       (0.338
## Approve Abe Cabinet                               0.289 +      -0.031         0.643 ***     0.130
##                                                  (0.152)       (0.193)       (0.153)       (0.240
## Japanese society is equal (0-1)                   0.348         0.554         0.629 +      -0.152
##                                                  (0.336)       (0.393)       (0.326)       (0.479
## Japanese society is homogeneous (0-1)             0.375        -0.207         0.405        -0.368
##                                                  (0.364)       (0.457)       (0.383)       (0.449
## Cut: No, any case|No, as much as possible        -2.072 ***                  -1.774 ***
##                                                  (0.462)                     (0.472)
## Cut: No, as much as possible|Need to be careful  -0.227                       0.179
##                                                  (0.443)                     (0.459)
## Cut: Need to be careful|Yes, if necessary         0.743 +                     0.854 +
##                                                  (0.442)                     (0.458)
## Cut: Yes, if necessary|Yes, actively              3.947 ***                   4.564 ***
##                                                  (0.477)                     (0.531)
## Cut: -2 or under|-1                                           -3.924 ***                    -3.112
##                                                               (0.642)                       (0.643
## Cut: -1|0                                                     -2.119 ***                    -1.705
##                                                               (0.593)                       (0.611
## Cut: 0|1 or above                                              2.547 ***                     3.189
##                                                               (0.606)                       (0.624
## ------------------------------------------------------------------------------------------------------
## AIC                                           3852.253      1038.093      3764.753       968.947
## BIC                                           3963.191      1115.846      3875.647      1046.700
## Log Likelihood                               -1905.127      -502.047     -1861.376      -467.474
## Deviance                                      3810.253      1004.093      3722.753       934.947
## Num. obs.                                     1455           716          1452           716
## ======================================================================================================
## *** p < 0.001; ** p < 0.01; * p < 0.05; + p < 0.1
```

```
texreg(list(mD1,mD01,mD2,mD02), stars = c(0.1,0.05,0.01,0.001), symbol = "+",
       beside = T, digits = 3, single.row = F,
       override.se = list(mD1c_se,mD01c_se,mD2c_se,mD02c_se),
       override.pvalues = list(mD1c_p,mD01c_p,mD2c_p,mD02c_p),
       custom.header = list("Hate Speech" = 1:2, "Biased History" = 3:4),
       custom.model.names = rep(c("Panel","Difference"),2),
       custom.coef.map = vn,
       custom.note = "%stars. Robust standard errors clustered by respondent ID in parentheses.",
       use.packages = FALSE, booktabs = TRUE, dcolumn = TRUE, caption.above = TRUE, fontsize = "scriptsi
       caption = "Endorsement treatment effects on the support for regulating expression in public place
       file = "../out/resout_endorsement_ol_ext_v2.tex",
       label = "table:resout_endorsement_ol_ext")
```

Plotting Effects

```
## Linear Regression (Baseline) ##

tmp1 <- lm(limitexp ~
```

```
              after + Aword_expert + Aword_emperor_liberal +
              Bword_expert + Bword_emperor_liberal,
            data = dLpanel)
summary(tmp1)
```

Linear Model (Baseline) (Figure 2)

```
##
## Call:
## lm(formula = limitexp ~ after + Aword_expert + Aword_emperor_liberal +
##     Bword_expert + Bword_emperor_liberal, data = dLpanel)
##
## Residuals:
##     Min      1Q  Median      3Q     Max
## -2.3084 -1.0830 -0.0830  0.8089  1.9170
##
## Coefficients:
##                         Estimate Std. Error t value Pr(>|t|)
## (Intercept)              2.30837    0.06712  34.392   <2e-16 ***
## after                   -0.11726    0.09513  -1.233    0.218
## Aword_expert            -0.06536    0.13072  -0.500    0.617
## Aword_emperor_liberal    0.02981    0.12972   0.230    0.818
## Bword_expert            -0.04275    0.09219  -0.464    0.643
## Bword_emperor_liberal -0.08023    0.09161  -0.876    0.381
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 1.011 on 1481 degrees of freedom
##   (53 observations deleted due to missingness)
## Multiple R-squared:  0.005503,   Adjusted R-squared:  0.002146
## F-statistic: 1.639 on 5 and 1481 DF,  p-value: 0.1465
```

```
coeftest(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp1$terms))])$start_id
```

```
##
## t test of coefficients:
##
##                          Estimate Std. Error t value  Pr(>|t|)
## (Intercept)              2.308370   0.064355 35.8691 < 2.2e-16 ***
## after                   -0.117259   0.034805 -3.3690 0.0007738 ***
## Aword_expert            -0.065362   0.054542 -1.1984 0.2309630
## Aword_emperor_liberal    0.029806   0.048475  0.6149 0.5387280
## Bword_expert            -0.042745   0.088949 -0.4806 0.6309041
## Bword_emperor_liberal -0.080233   0.091425 -0.8776 0.3803113
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
tmp1c_se <- sqrt(diag(vcovCL(tmp1,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp1$terms))])$start_i
tmp1c_p <- pt(-abs(summary(tmp1)$coefficients[,1]/tmp1c_se), df = tmp1$df.residual)*2
tmp2 <- lm(limitexp ~
              after + Aword_emperor + Aword_expert +
              Bword_emperor + Bword_expert,
            data = dLpanel)
summary(tmp2)
```

```
##
```

```
## Call:
## lm(formula = limitexp ~ after + Aword_emperor + Aword_expert +
##     Bword_emperor + Bword_expert, data = dLpanel)
##
## Residuals:
##     Min      1Q  Median      3Q     Max
## -2.3084 -1.0830 -0.0830  0.8089  1.9170
##
## Coefficients:
##               Estimate Std. Error t value Pr(>|t|)
## (Intercept)    2.22814    0.06236  35.732   <2e-16 ***
## after         -0.08745    0.08818  -0.992    0.322
## Aword_emperor -0.02981    0.12972  -0.230    0.818
## Aword_expert  -0.09517    0.12575  -0.757    0.449
## Bword_emperor  0.08023    0.09161   0.876    0.381
## Bword_expert   0.03749    0.08879   0.422    0.673
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 1.011 on 1481 degrees of freedom
##   (53 observations deleted due to missingness)
## Multiple R-squared:  0.005503,   Adjusted R-squared:  0.002146
## F-statistic: 1.639 on 5 and 1481 DF,  p-value: 0.1465
```

```
coeftest(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp2$terms))])$start_id
```

```
##
## t test of coefficients:
##
##                Estimate Std. Error t value  Pr(>|t|)
## (Intercept)    2.228137   0.064938 34.3120 < 2.2e-16 ***
## after         -0.087452   0.033741 -2.5919  0.009638 **
## Aword_emperor -0.029806   0.048475 -0.6149  0.538728
## Aword_expert  -0.095169   0.053869 -1.7667  0.077490 .
## Bword_emperor  0.080233   0.091425  0.8776  0.380311
## Bword_expert   0.037488   0.089371  0.4195  0.674938
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
tmp2c_se <- sqrt(diag(vcovCL(tmp2,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp2$terms))])$start_id
tmp2c_p <- pt(-abs(summary(tmp2)$coefficients[,1]/tmp2c_se), df = tmp2$df.residual)*2

tmpdt1 <-
  rbind(c(mbL1$coefficients[2],mbL1c_se[2],
          coefci(mbL1, vcov.=vcovCL(mbL1,cluster=na.omit(dLpanel[,c("start_id",all.vars(mbL1$terms))])$s
          coefci(mbL1, vcov.=vcovCL(mbL1,cluster=na.omit(dLpanel[,c("start_id",all.vars(mbL1$terms))])$s
        c(tmp1$coefficients[2],tmp1c_se[2],
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp1$terms))])$s
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp1$terms))])$s
        c(tmp2$coefficients[2],tmp2c_se[2],
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp2$terms))])$s
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp2$terms))])$s

tmpdt1 <- as.data.frame(tmpdt1)
colnames(tmpdt1) <- c("cf","se","lci","uci","lci90","uci90")
```

```
tmpdt1$frame <- "Hate speech"
tmpdt1$endorsement <- c("Experts","Emperor","Liberal\nemperor")

tmp1 <- lm(limitexp ~
             after + Aword_expert + Aword_emperor_liberal +
             Bword_expert + Bword_emperor_liberal,
           data = dRpanel)
summary(tmp1)
```

```
##
## Call:
## lm(formula = limitexp ~ after + Aword_expert + Aword_emperor_liberal +
##     Bword_expert + Bword_emperor_liberal, data = dRpanel)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -2.13100 -0.96169  0.03968  0.96512  2.06550
##
## Coefficients:
##                         Estimate Std. Error t value Pr(>|t|)
## (Intercept)              2.03488    0.06691  30.411   <2e-16 ***
## after                   -0.07320    0.09436  -0.776    0.438
## Aword_expert            -0.12331    0.13781  -0.895    0.371
## Aword_emperor_liberal   -0.03820    0.13450  -0.284    0.776
## Bword_expert             0.09612    0.09758   0.985    0.325
## Bword_emperor_liberal    0.03683    0.09529   0.387    0.699
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 1.075 on 1474 degrees of freedom
##   (34 observations deleted due to missingness)
## Multiple R-squared:  0.004077,   Adjusted R-squared:  0.0006987
## F-statistic: 1.207 on 5 and 1474 DF,  p-value: 0.3035
```

```
coeftest(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp1$terms))])$start_id
```

```
##
## t test of coefficients:
##
##                         Estimate Std. Error t value Pr(>|t|)
## (Intercept)              2.034884   0.068700 29.6197  < 2e-16 ***
## after                   -0.073198   0.034510 -2.1210  0.03409 *
## Aword_expert            -0.123309   0.058587 -2.1047  0.03548 *
## Aword_emperor_liberal   -0.038198   0.052521 -0.7273  0.46716
## Bword_expert             0.096121   0.096735  0.9937  0.32056
## Bword_emperor_liberal    0.036829   0.096726  0.3808  0.70344
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
tmp1c_se <- sqrt(diag(vcovCL(tmp1,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp1$terms))])$start_ic
tmp1c_p <- pt(-abs(summary(tmp1)$coefficients[,1]/tmp1c_se), df = tmp1$df.residual)*2
tmp2 <- lm(limitexp ~
             after + Aword_emperor + Aword_expert +
             Bword_emperor + Bword_expert,
           data = dRpanel)
```

```r
summary(tmp2)
```

```
##
## Call:
## lm(formula = limitexp ~ after + Aword_emperor + Aword_expert +
##     Bword_emperor + Bword_expert, data = dRpanel)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -2.13100 -0.96169  0.03968  0.96512  2.06550
##
## Coefficients:
##               Estimate Std. Error t value Pr(>|t|)
## (Intercept)    2.07171    0.06784  30.538   <2e-16 ***
## after         -0.11140    0.09584  -1.162    0.245
## Aword_emperor  0.03820    0.13450   0.284    0.776
## Aword_expert  -0.08511    0.13883  -0.613    0.540
## Bword_emperor -0.03683    0.09529  -0.387    0.699
## Bword_expert   0.05929    0.09822   0.604    0.546
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 1.075 on 1474 degrees of freedom
##   (34 observations deleted due to missingness)
## Multiple R-squared:  0.004077,   Adjusted R-squared:  0.0006987
## F-statistic: 1.207 on 5 and 1474 DF,  p-value: 0.3035
```

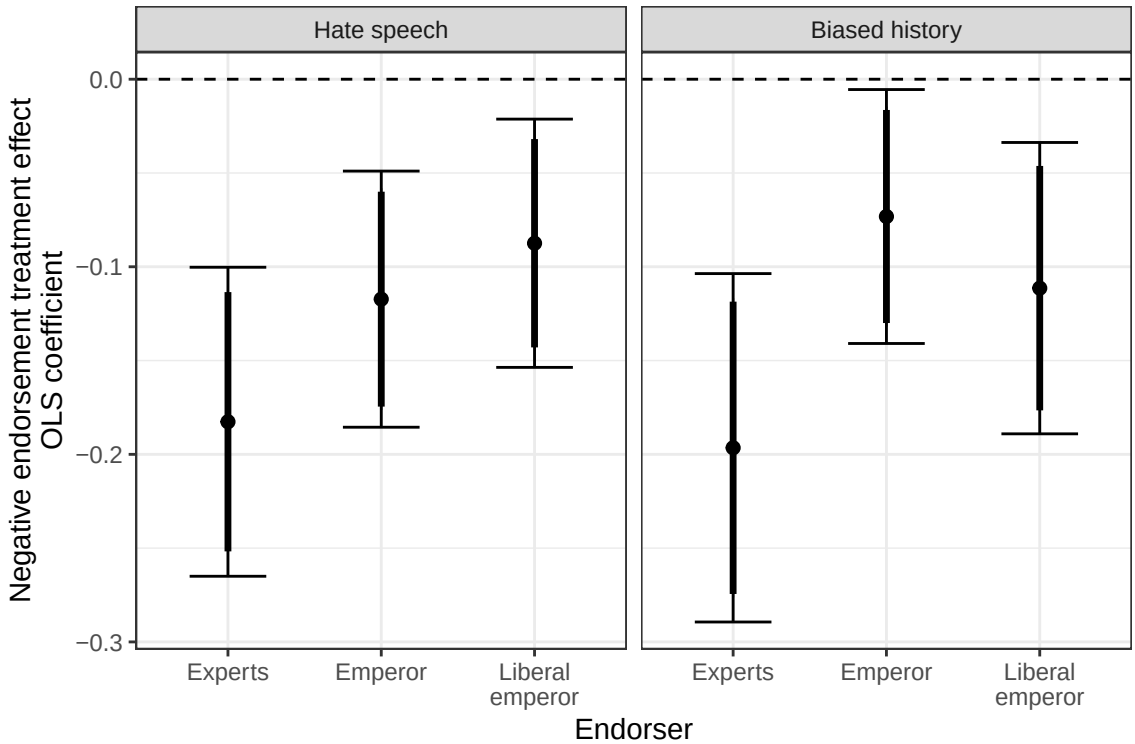
```r
coeftest(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp2$terms))])$start_id
```

```
##
## t test of coefficients:
##
##                Estimate Std. Error t value  Pr(>|t|)
## (Intercept)    2.071713   0.068090 30.4263 < 2.2e-16 ***
## after         -0.111396   0.039591 -2.8137  0.004963 **
## Aword_emperor  0.038198   0.052521  0.7273  0.467163
## Aword_expert  -0.085111   0.061716 -1.3791  0.168081
## Bword_emperor -0.036829   0.096726 -0.3808  0.703436
## Bword_expert   0.059291   0.096302  0.6157  0.538201
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```r
tmp2c_se <- sqrt(diag(vcovCL(tmp2,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp2$terms))])$start_ic
tmp2c_p <- pt(-abs(summary(tmp2)$coefficients[,1]/tmp2c_se), df = tmp2$df.residual)*2

tmpdt2 <-
  rbind(c(mbL2$coefficients[2],mbL2c_se[2],
          coefci(mbL2, vcov.=vcovCL(mbL2,cluster=na.omit(dRpanel[,c("start_id",all.vars(mbL2$terms))])$s
          coefci(mbL2, vcov.=vcovCL(mbL2,cluster=na.omit(dRpanel[,c("start_id",all.vars(mbL2$terms))])$s
        c(tmp1$coefficients[2],tmp1c_se[2],
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp1$terms))])$s
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp1$terms))])$s
        c(tmp2$coefficients[2],tmp2c_se[2],
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp2$terms))])$s
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp2$terms))])$s
```

```r
tmpdt2 <- as.data.frame(tmpdt2)
colnames(tmpdt2) <- c("cf","se","lci","uci","lci90","uci90")
tmpdt2$frame <- "Biased history"
tmpdt2$endorsement <- c("Experts","Emperor","Liberal\nemperor")

## Combine Data
mbL1dt <- rbind(tmpdt1,tmpdt2)
mbL1dt$frame <- factor(mbL1dt$frame, levels = c("Hate speech","Biased history"))
mbL1dt$endorsement <- factor(mbL1dt$endorsement, levels = unique(mbL1dt$endorsement))

write.csv(mbL1dt, row.names = F, file = "../out/effect_endorsement_lm_base_v2.csv")

## Plot of Endorsement Treatment Effects

require(ggplot2)

p <- ggplot(mbL1dt, aes(x=endorsement,y=cf)) +
  geom_hline(aes(yintercept=0), linetype=2) +
  geom_errorbar(aes(ymin=lci,ymax=uci), width=0.5) +
  geom_errorbar(aes(ymin=lci90,ymax=uci90), width=0, size=1.2) +
  geom_point(size=2) +
  facet_grid(.~frame) +
  labs(x="Endorser", y="Negative endorsement treatment effect\nOLS coefficient") +
  theme_bw()
```

```r
p
```




```r
ggsave("../out/effect_endorsement_lm_base_v2.pdf", width=6, height=4)
ggsave("../out/effect_endorsement_lm_base_v2.png", width=6, height=4)
```

```r
## Linear Regression (Extended) ##

tmp1 <- lm(limitexp ~
             after + Aword_expert + Aword_emperor_liberal +
             Bword_expert + Bword_emperor_liberal +
             fem + age + inccat + educat + employed + knall + csup + eqview + hmview,
           data = dLpanel)
summary(tmp1)
```

Linear Model (Extended) (Figure G.1)

```
##
## Call:
## lm(formula = limitexp ~ after + Aword_expert + Aword_emperor_liberal +
##     Bword_expert + Bword_emperor_liberal + fem + age + inccat +
##     educat + employed + knall + csup + eqview + hmview, data = dLpanel)
##
## Residuals:
##     Min      1Q  Median      3Q     Max
## -2.4561 -0.9866  0.1630  0.7988  2.0828
##
## Coefficients:
##                             Estimate Std. Error t value Pr(>|t|)
## (Intercept)                 1.799969   0.188828   9.532   <2e-16 ***
## after                      -0.116402   0.095718  -1.216   0.2242
## Aword_expert               -0.059525   0.132226  -0.450   0.6526
## Aword_emperor_liberal       0.026742   0.130578   0.205   0.8378
## Bword_expert               -0.031364   0.093818  -0.334   0.7382
## Bword_emperor_liberal      -0.092445   0.092572  -0.999   0.3181
## fem                         0.170273   0.056864   2.994   0.0028 **
## age                         0.002836   0.002665   1.064   0.2874
## inccatMiddle (>=4m,<8m)    -0.035616   0.063310  -0.563   0.5738
## inccatHigh (>=8m)          -0.027564   0.086673  -0.318   0.7505
## inccatMissing               0.077714   0.087873   0.884   0.3766
## educat>SHS & <University    0.056601   0.089090   0.635   0.5253
## educat>=University          0.005268   0.076078   0.069   0.9448
## employed                    0.066152   0.062153   1.064   0.2874
## knall                      -0.101228   0.105269  -0.962   0.3364
## csup                        0.148791   0.058729   2.534   0.0114 *
## eqview                      0.240261   0.115867   2.074   0.0383 *
## hmview                      0.223620   0.135191   1.654   0.0983 .
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 1.011 on 1437 degrees of freedom
##   (85 observations deleted due to missingness)
## Multiple R-squared:  0.02548,    Adjusted R-squared:  0.01396
## F-statistic: 2.211 on 17 and 1437 DF,  p-value: 0.003074
```

```r
coeftest(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp1$terms))])$start_id
```

```
##
## t test of coefficients:
##
```

```
##                            Estimate Std. Error t value  Pr(>|t|)
## (Intercept)                1.7999685  0.2476531  7.2681 5.962e-13 ***
## after                     -0.1164016  0.0356229 -3.2676   0.00111 **
## Aword_expert              -0.0595253  0.0557252 -1.0682   0.28561
## Aword_emperor_liberal      0.0267421  0.0493868  0.5415   0.58826
## Bword_expert              -0.0313638  0.0908015 -0.3454   0.72984
## Bword_emperor_liberal     -0.0924454  0.0924334 -1.0001   0.31742
## fem                        0.1702729  0.0774545  2.1984   0.02808 *
## age                        0.0028356  0.0037519  0.7558   0.44990
## inccatMiddle (>=4m,<8m)   -0.0356157  0.0846827 -0.4206   0.67413
## inccatHigh (>=8m)         -0.0275639  0.1207710 -0.2282   0.81950
## inccatMissing              0.0777144  0.1116006  0.6964   0.48631
## educat>SHS & <University   0.0566012  0.1220115  0.4639   0.64279
## educat>=University         0.0052681  0.1013242  0.0520   0.95854
## employed                   0.0661519  0.0820389  0.8063   0.42018
## knall                     -0.1012277  0.1397503 -0.7243   0.46897
## csup                       0.1487909  0.0797630  1.8654   0.06233 .
## eqview                     0.2402614  0.1723505  1.3940   0.16352
## hmview                     0.2236202  0.1955739  1.1434   0.25306
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
tmp1c_se <- sqrt(diag(vcovCL(tmp1,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp1$terms))])$start_i
tmp1c_p <- pt(-abs(summary(tmp1)$coefficients[,1]/tmp1c_se), df = tmp1$df.residual)*2
tmp2 <- lm(limitexp ~
             after + Aword_emperor + Aword_expert +
             Bword_emperor + Bword_expert +
             fem + age + inccat + educat + employed + knall + csup + eqview + hmview,
           data = dLpanel)
summary(tmp2)
```

```
##
## Call:
## lm(formula = limitexp ~ after + Aword_emperor + Aword_expert +
##     Bword_emperor + Bword_expert + fem + age + inccat + educat +
##     employed + knall + csup + eqview + hmview, data = dLpanel)
##
## Residuals:
##     Min      1Q  Median      3Q     Max
## -2.4561 -0.9866  0.1630  0.7988  2.0828
##
## Coefficients:
##                            Estimate Std. Error t value Pr(>|t|)
## (Intercept)                1.707523   0.187639   9.100   <2e-16 ***
## after                     -0.089660   0.088816  -1.009   0.3129
## Aword_emperor             -0.026742   0.130578  -0.205   0.8378
## Aword_expert              -0.086267   0.127322  -0.678   0.4982
## Bword_emperor              0.092445   0.092572   0.999   0.3181
## Bword_expert               0.061082   0.090508   0.675   0.4999
## fem                        0.170273   0.056864   2.994   0.0028 **
## age                        0.002836   0.002665   1.064   0.2874
## inccatMiddle (>=4m,<8m)   -0.035616   0.063310  -0.563   0.5738
## inccatHigh (>=8m)         -0.027564   0.086673  -0.318   0.7505
## inccatMissing              0.077714   0.087873   0.884   0.3766
## educat>SHS & <University   0.056601   0.089090   0.635   0.5253
```

```
## educat>=University        0.005268   0.076078   0.069   0.9448
## employed                  0.066152   0.062153   1.064   0.2874
## knall                    -0.101228   0.105269  -0.962   0.3364
## csup                      0.148791   0.058729   2.534   0.0114 *
## eqview                    0.240261   0.115867   2.074   0.0383 *
## hmview                    0.223620   0.135191   1.654   0.0983 .
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 1.011 on 1437 degrees of freedom
##   (85 observations deleted due to missingness)
## Multiple R-squared:  0.02548,    Adjusted R-squared:  0.01396
## F-statistic: 2.211 on 17 and 1437 DF,  p-value: 0.003074
```

```
coeftest(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp2$terms))])$start_id
```

```
##
## t test of coefficients:
##
##                            Estimate Std. Error t value  Pr(>|t|)
## (Intercept)               1.7075232  0.2480137  6.8848 8.621e-12 ***
## after                    -0.0896595  0.0342876 -2.6149  0.009018 **
## Aword_emperor            -0.0267421  0.0493868 -0.5415  0.588259
## Aword_expert             -0.0862674  0.0549693 -1.5694  0.116781
## Bword_emperor             0.0924454  0.0924334  1.0001  0.317416
## Bword_expert              0.0610816  0.0907395  0.6732  0.500958
## fem                       0.1702729  0.0774545  2.1984  0.028082 *
## age                       0.0028356  0.0037519  0.7558  0.449902
## inccatMiddle (>=4m,<8m)  -0.0356157  0.0846827 -0.4206  0.674126
## inccatHigh (>=8m)        -0.0275639  0.1207710 -0.2282  0.819498
## inccatMissing             0.0777144  0.1116006  0.6964  0.486315
## educat>SHS & <University  0.0566012  0.1220115  0.4639  0.642789
## educat>=University        0.0052681  0.1013242  0.0520  0.958542
## employed                  0.0661519  0.0820389  0.8063  0.420176
## knall                    -0.1012277  0.1397503 -0.7243  0.468970
## csup                      0.1487909  0.0797630  1.8654  0.062327 .
## eqview                    0.2402614  0.1723505  1.3940  0.163525
## hmview                    0.2236202  0.1955739  1.1434  0.253061
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
tmp2c_se <- sqrt(diag(vcovCL(tmp2,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp2$terms))])$start_i
tmp2c_p <- pt(-abs(summary(tmp2)$coefficients[,1]/tmp2c_se), df = tmp2$df.residual)*2

tmpdt1 <-
  rbind(c(mL1$coefficients[2],mL1c_se[2],
          coefci(mL1, vcov.=vcovCL(mL1,cluster=na.omit(dLpanel[,c("start_id",all.vars(mL1$terms))])$sta
          coefci(mL1, vcov.=vcovCL(mL1,cluster=na.omit(dLpanel[,c("start_id",all.vars(mL1$terms))])$sta
        c(tmp1$coefficients[2],tmp1c_se[2],
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp1$terms))])$
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp1$terms))])$
        c(tmp2$coefficients[2],tmp2c_se[2],
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp2$terms))])$
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp2$terms))])$
```

```r
tmpdt1 <- as.data.frame(tmpdt1)
colnames(tmpdt1) <- c("cf","se","lci","uci","lci90","uci90")
tmpdt1$frame <- "Hate speech"
tmpdt1$endorsement <- c("Experts","Emperor","Liberal\nemperor")

tmp1 <- lm(limitexp ~
             after + Aword_expert + Aword_emperor_liberal +
             Bword_expert + Bword_emperor_liberal +
             fem + age + inccat + educat + employed + knall + csup + eqview + hmview,
           data = dRpanel)
summary(tmp1)
```

```
##
## Call:
## lm(formula = limitexp ~ after + Aword_expert + Aword_emperor_liberal +
##     Bword_expert + Bword_emperor_liberal + fem + age + inccat +
##     educat + employed + knall + csup + eqview + hmview, data = dRpanel)
##
## Residuals:
##     Min      1Q  Median      3Q     Max
## -2.5297 -0.8907  0.1760  0.9422  2.2405
##
## Coefficients:
##                             Estimate Std. Error t value Pr(>|t|)
## (Intercept)                 1.607639   0.182882   8.791  < 2e-16 ***
## after                      -0.072800   0.093497  -0.779  0.43633
## Aword_expert               -0.124536   0.136813  -0.910  0.36284
## Aword_emperor_liberal      -0.037871   0.133019  -0.285  0.77591
## Bword_expert                0.027484   0.097235   0.283  0.77748
## Bword_emperor_liberal       0.011720   0.094399   0.124  0.90121
## fem                        -0.030650   0.059652  -0.514  0.60746
## age                         0.003035   0.002647   1.147  0.25162
## inccatMiddle (>=4m,<8m)     0.032676   0.066681   0.490  0.62418
## inccatHigh (>=8m)           0.097459   0.087471   1.114  0.26539
## inccatMissing               0.163737   0.091839   1.783  0.07482 .
## educat>SHS & <University   -0.056200   0.092068  -0.610  0.54168
## educat>=University         -0.189332   0.076183  -2.485  0.01306 *
## employed                   -0.005567   0.066161  -0.084  0.93296
## knall                       0.014963   0.102000   0.147  0.88339
## csup                        0.361223   0.063444   5.694 1.51e-08 ***
## eqview                      0.364425   0.126828   2.873  0.00412 **
## hmview                      0.234033   0.139064   1.683  0.09261 .
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 1.055 on 1434 degrees of freedom
##   (62 observations deleted due to missingness)
## Multiple R-squared:  0.0533, Adjusted R-squared:  0.04208
## F-statistic: 4.749 on 17 and 1434 DF,  p-value: 5.877e-10
```

```r
coeftest(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp1$terms))])$start_id
```

```
##
## t test of coefficients:
```

```
##
##                             Estimate Std. Error t value  Pr(>|t|)
## (Intercept)                1.6076395  0.2534421  6.3432 3.009e-10 ***
## after                     -0.0727996  0.0354473 -2.0537   0.04018 *
## Aword_expert              -0.1245362  0.0603558 -2.0634   0.03926 *
## Aword_emperor_liberal     -0.0378708  0.0534570 -0.7084   0.47879
## Bword_expert               0.0274838  0.0975505  0.2817   0.77818
## Bword_emperor_liberal      0.0117203  0.0952762  0.1230   0.90211
## fem                       -0.0306498  0.0822347 -0.3727   0.70942
## age                        0.0030354  0.0035931  0.8448   0.39838
## inccatMiddle (>=4m,<8m)    0.0326761  0.0897279  0.3642   0.71579
## inccatHigh (>=8m)          0.0974590  0.1206660  0.8077   0.41941
## inccatMissing              0.1637368  0.1196910  1.3680   0.17153
## educat>SHS & <University -0.0562002  0.1252419 -0.4487   0.65369
## educat>=University        -0.1893322  0.1013027 -1.8690   0.06183 .
## employed                  -0.0055668  0.0894809 -0.0622   0.95040
## knall                      0.0149634  0.1382876  0.1082   0.91385
## csup                       0.3612227  0.0826764  4.3691 1.337e-05 ***
## eqview                     0.3644251  0.1765989  2.0636   0.03924 *
## hmview                     0.2340334  0.2050036  1.1416   0.25381
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
tmp1c_se <- sqrt(diag(vcovCL(tmp1,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp1$terms))])$start_id
tmp1c_p <- pt(-abs(summary(tmp1)$coefficients[,1]/tmp1c_se), df = tmp1$df.residual)*2
tmp2 <- lm(limitexp ~
             after + Aword_emperor + Aword_expert +
             Bword_emperor + Bword_expert +
             fem + age + inccat + educat + employed + knall + csup + eqview + hmview,
           data = dRpanel)
summary(tmp2)
```

```
##
## Call:
## lm(formula = limitexp ~ after + Aword_emperor + Aword_expert +
##     Bword_emperor + Bword_expert + fem + age + inccat + educat +
##     employed + knall + csup + eqview + hmview, data = dRpanel)
##
## Residuals:
##     Min      1Q  Median      3Q     Max
## -2.5297 -0.8907  0.1760  0.9422  2.2405
##
## Coefficients:
##                             Estimate Std. Error t value Pr(>|t|)
## (Intercept)                1.619360   0.181056   8.944  < 2e-16 ***
## after                     -0.110670   0.094617  -1.170  0.24233
## Aword_emperor              0.037871   0.133019   0.285  0.77591
## Aword_expert              -0.086665   0.137584  -0.630  0.52885
## Bword_emperor             -0.011720   0.094399  -0.124  0.90121
## Bword_expert               0.015764   0.097852   0.161  0.87204
## fem                       -0.030650   0.059652  -0.514  0.60746
## age                        0.003035   0.002647   1.147  0.25162
## inccatMiddle (>=4m,<8m)    0.032676   0.066681   0.490  0.62418
## inccatHigh (>=8m)          0.097459   0.087471   1.114  0.26539
## inccatMissing              0.163737   0.091839   1.783  0.07482 .
```

```
## educat>SHS & <University -0.056200   0.092068  -0.610  0.54168
## educat>=University       -0.189332   0.076183  -2.485  0.01306 *
## employed                 -0.005567   0.066161  -0.084  0.93296
## knall                     0.014963   0.102000   0.147  0.88339
## csup                      0.361223   0.063444   5.694 1.51e-08 ***
## eqview                    0.364425   0.126828   2.873  0.00412 **
## hmview                    0.234033   0.139064   1.683  0.09261 .
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 1.055 on 1434 degrees of freedom
##   (62 observations deleted due to missingness)
## Multiple R-squared:  0.0533, Adjusted R-squared:  0.04208
## F-statistic: 4.749 on 17 and 1434 DF,  p-value: 5.877e-10
```

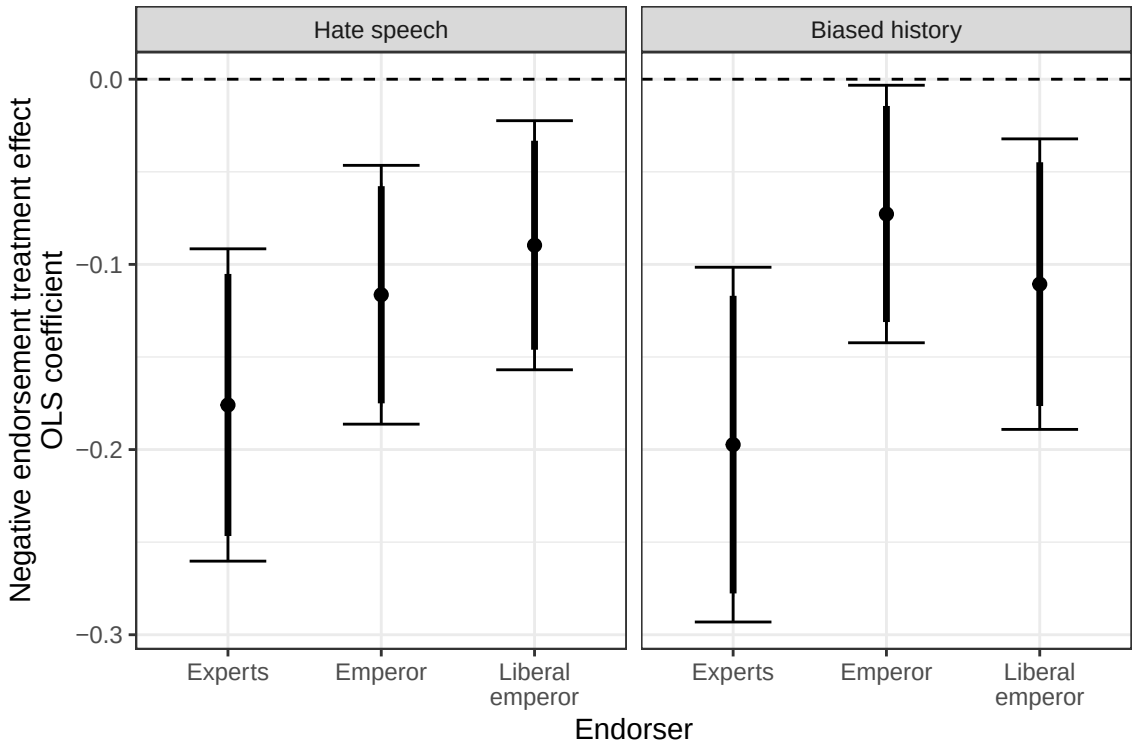
```
coeftest(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp2$terms))])$start_id
```

```
##
## t test of coefficients:
##
##                            Estimate Std. Error t value  Pr(>|t|)
## (Intercept)               1.6193597  0.2460386  6.5817 6.503e-11 ***
## after                    -0.1106704  0.0399927 -2.7673  0.005725 **
## Aword_emperor             0.0378708  0.0534570  0.7084  0.478790
## Aword_expert             -0.0866654  0.0631178 -1.3731  0.169944
## Bword_emperor            -0.0117203  0.0952762 -0.1230  0.902114
## Bword_expert              0.0157636  0.0968901  0.1627  0.870781
## fem                      -0.0306498  0.0822347 -0.3727  0.709419
## age                       0.0030354  0.0035931  0.8448  0.398377
## inccatMiddle (>=4m,<8m)   0.0326761  0.0897279  0.3642  0.715785
## inccatHigh (>=8m)         0.0974590  0.1206660  0.8077  0.419411
## inccatMissing             0.1637368  0.1196910  1.3680  0.171528
## educat>SHS & <University -0.0562002  0.1252419 -0.4487  0.653692
## educat>=University       -0.1893322  0.1013027 -1.8690  0.061830 .
## employed                 -0.0055668  0.0894809 -0.0622  0.950403
## knall                     0.0149634  0.1382876  0.1082  0.913848
## csup                      0.3612227  0.0826764  4.3691 1.337e-05 ***
## eqview                    0.3644251  0.1765989  2.0636  0.039238 *
## hmview                    0.2340334  0.2050036  1.1416  0.253808
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
tmp2c_se <- sqrt(diag(vcovCL(tmp2,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp2$terms))])$start_id
tmp2c_p <- pt(-abs(summary(tmp2)$coefficients[,1]/tmp2c_se), df = tmp2$df.residual)*2

tmpdt2 <-
  rbind(c(mL2$coefficients[2],mL2c_se[2],
          coefci(mL2, vcov.=vcovCL(mL2,cluster=na.omit(dRpanel[,c("start_id",all.vars(mL2$terms))])$sta
          coefci(mL2, vcov.=vcovCL(mL2,cluster=na.omit(dRpanel[,c("start_id",all.vars(mL2$terms))])$sta
        c(tmp1$coefficients[2],tmp1c_se[2],
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp1$terms))])$
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp1$terms))])$
        c(tmp2$coefficients[2],tmp2c_se[2],
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp2$terms))])$
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp2$terms))])$
```

```r
tmpdt2 <- as.data.frame(tmpdt2)
colnames(tmpdt2) <- c("cf","se","lci","uci","lci90","uci90")
tmpdt2$frame <- "Biased history"
tmpdt2$endorsement <- c("Experts","Emperor","Liberal\nemperor")

## Combine Data
mL1dt <- rbind(tmpdt1,tmpdt2)
mL1dt$frame <- factor(mL1dt$frame, levels = c("Hate speech","Biased history"))
mL1dt$endorsement <- factor(mL1dt$endorsement, levels = unique(mL1dt$endorsement))

write.csv(mL1dt, row.names = F, file = "../out/effect_endorsement_lm_ext_v2.csv")

## Plot of Endorsement Treatment Effects

require(ggplot2)

p <- ggplot(mL1dt, aes(x=endorsement,y=cf)) +
  geom_hline(aes(yintercept=0), linetype=2) +
  geom_errorbar(aes(ymin=lci,ymax=uci), width=0.5) +
  geom_errorbar(aes(ymin=lci90,ymax=uci90), width=0, size=1.2) +
  geom_point(size=2) +
  facet_grid(.~frame) +
  labs(x="Endorser", y="Negative endorsement treatment effect\nOLS coefficient") +
  theme_bw()
```

```r
p
```




```r
ggsave("../out/effect_endorsement_lm_ext_v2.pdf", width=6, height=4)
ggsave("../out/effect_endorsement_lm_ext_v2.png", width=6, height=4)
```

```r
## Logit (Baseline) ##

tmp1 <- glm(limitexp > 1 ~
             after + Aword_expert + Aword_emperor_liberal +
             Bword_expert + Bword_emperor_liberal,
           data = dLpanel, family=binomial("logit"))
summary(tmp1)
```

Logit (Baseline) (Figure G.2)

```
##
## Call:
## glm(formula = limitexp > 1 ~ after + Aword_expert + Aword_emperor_liberal +
##     Bword_expert + Bword_emperor_liberal, family = binomial("logit"),
##     data = dLpanel)
##
## Deviance Residuals:
##     Min       1Q   Median       3Q      Max
## -1.7281  -1.5093   0.7517   0.8129   0.8785
##
## Coefficients:
##                       Estimate Std. Error z value Pr(>|z|)
## (Intercept)            1.23866    0.15903   7.789 6.76e-15 ***
## after                 -0.27204    0.21807  -1.248    0.212
## Aword_expert          -0.09447    0.29456  -0.321    0.748
## Aword_emperor_liberal  0.14392    0.29017   0.496    0.620
## Bword_expert          -0.11910    0.21528  -0.553    0.580
## Bword_emperor_liberal -0.30098    0.20999  -1.433    0.152
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## (Dispersion parameter for binomial family taken to be 1)
##
##     Null deviance: 1755.1  on 1486  degrees of freedom
## Residual deviance: 1747.1  on 1481  degrees of freedom
##   (53 observations deleted due to missingness)
## AIC: 1759.1
##
## Number of Fisher Scoring iterations: 4
```

```r
coeftest(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp1$terms))])$start_id
```

```
##
## z test of coefficients:
##
##                        Estimate Std. Error z value  Pr(>|z|)
## (Intercept)            1.238658   0.159133  7.7838 7.037e-15 ***
## after                 -0.272043   0.109744 -2.4789   0.01318 *
## Aword_expert          -0.094468   0.147713 -0.6395   0.52248
## Aword_emperor_liberal  0.143918   0.138914  1.0360   0.30019
## Bword_expert          -0.119103   0.215419 -0.5529   0.58034
## Bword_emperor_liberal -0.300976   0.210125 -1.4324   0.15204
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
tmp1c_se <- sqrt(diag(vcovCL(tmp1,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp1$terms))])$start_ic
tmp1c_p <- pnorm(-abs(summary(tmp1)$coefficients[,1]/tmp1c_se))*2
tmp2 <- glm(limitexp > 1 ~
             after + Aword_emperor + Aword_expert +
             Bword_emperor + Bword_expert,
           data = dLpanel, family=binomial("logit"))
summary(tmp2)
```

```
##
## Call:
## glm(formula = limitexp > 1 ~ after + Aword_emperor + Aword_expert +
##     Bword_emperor + Bword_expert, family = binomial("logit"),
##     data = dLpanel)
##
## Deviance Residuals:
##     Min       1Q   Median       3Q      Max
## -1.7281  -1.5093   0.7517   0.8129   0.8785
##
## Coefficients:
##               Estimate Std. Error z value Pr(>|z|)
## (Intercept)     0.9377     0.1371   6.838 8.03e-12 ***
## after          -0.1281     0.1914  -0.669    0.503
## Aword_emperor  -0.1439     0.2902  -0.496    0.620
## Aword_expert   -0.2384     0.2754  -0.866    0.387
## Bword_emperor   0.3010     0.2100   1.433    0.152
## Bword_expert    0.1819     0.1996   0.911    0.362
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## (Dispersion parameter for binomial family taken to be 1)
##
##     Null deviance: 1755.1  on 1486  degrees of freedom
## Residual deviance: 1747.1  on 1481  degrees of freedom
##   (53 observations deleted due to missingness)
## AIC: 1759.1
##
## Number of Fisher Scoring iterations: 4
```

```
coeftest(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp2$terms))])$start_id
```

```
##
## z test of coefficients:
##
##                Estimate Std. Error z value  Pr(>|z|)
## (Intercept)    0.937682   0.137220  6.8334 8.293e-12 ***
## after         -0.128124   0.085166 -1.5044   0.13248
## Aword_emperor -0.143918   0.138914 -1.0360   0.30019
## Aword_expert  -0.238386   0.130494 -1.8268   0.06773 .
## Bword_emperor  0.300976   0.210125  1.4324   0.15204
## Bword_expert   0.181874   0.199779  0.9104   0.36263
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
tmp2c_se <- sqrt(diag(vcovCL(tmp2,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp2$terms))])$start_ic
tmp2c_p <- pnorm(-abs(summary(tmp2)$coefficients[,1]/tmp2c_se))*2
```

```
tmpdt1 <-
  rbind(c(mbG1$coefficients[2],mbG1c_se[2],
          coefci(mbG1, vcov.=vcovCL(mbG1,cluster=na.omit(dLpanel[,c("start_id",all.vars(mbG1$terms))])$
          coefci(mbG1, vcov.=vcovCL(mbG1,cluster=na.omit(dLpanel[,c("start_id",all.vars(mbG1$terms))])$
        c(tmp1$coefficients[2],tmp1c_se[2],
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp1$terms))])$
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp1$terms))])$
        c(tmp2$coefficients[2],tmp2c_se[2],
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp2$terms))])$
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp2$terms))])$

tmpdt1 <- as.data.frame(tmpdt1)
colnames(tmpdt1) <- c("cf","se","lci","uci","lci90","uci90")
tmpdt1$frame <- "Hate speech"
tmpdt1$endorsement <- c("Experts","Emperor","Liberal\nemperor")

tmp1 <- glm(limitexp > 1 ~
              after + Aword_expert + Aword_emperor_liberal +
              Bword_expert + Bword_emperor_liberal,
            data = dRpanel, family=binomial("logit"))
summary(tmp1)
```

```
##
## Call:
## glm(formula = limitexp > 1 ~ after + Aword_expert + Aword_emperor_liberal +
##     Bword_expert + Bword_emperor_liberal, family = binomial("logit"),
##     data = dRpanel)
##
## Deviance Residuals:
##     Min       1Q   Median       3Q      Max
## -1.4941  -1.3586   0.9424   1.0055   1.0335
##
## Coefficients:
##                         Estimate Std. Error z value Pr(>|z|)
## (Intercept)              0.47378    0.12802   3.701 0.000215 ***
## after                   -0.12548    0.17940  -0.699 0.484292
## Aword_expert            -0.17759    0.26504  -0.670 0.502824
## Aword_emperor_liberal -0.03741    0.25707  -0.146 0.884308
## Bword_expert             0.24568    0.19031   1.291 0.196717
## Bword_emperor_liberal  0.10781    0.18361   0.587 0.557089
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## (Dispersion parameter for binomial family taken to be 1)
##
##     Null deviance: 1966.2  on 1479  degrees of freedom
## Residual deviance: 1961.1  on 1474  degrees of freedom
##   (34 observations deleted due to missingness)
## AIC: 1973.1
##
## Number of Fisher Scoring iterations: 4
```

```
coeftest(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp1$terms))])$start_id
```

```
##
## z test of coefficients:
##
##                         Estimate Std. Error z value  Pr(>|z|)
## (Intercept)             0.473784   0.128110  3.6983 0.0002171 ***
## after                  -0.125478   0.062815 -1.9976 0.0457644 *
## Aword_expert           -0.177593   0.107251 -1.6559 0.0977488 .
## Aword_emperor_liberal -0.037407   0.094923 -0.3941 0.6935261
## Bword_expert            0.245680   0.190435  1.2901 0.1970162
## Bword_emperor_liberal   0.107810   0.183732  0.5868 0.5573522
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
tmp1c_se <- sqrt(diag(vcovCL(tmp1,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp1$terms))])$start_id
tmp1c_p <- pnorm(-abs(summary(tmp1)$coefficients[,1]/tmp1c_se))*2
tmp2 <- glm(limitexp > 1 ~
             after + Aword_emperor + Aword_expert +
             Bword_emperor + Bword_expert,
           data = dRpanel, family=binomial("logit"))
summary(tmp2)
```

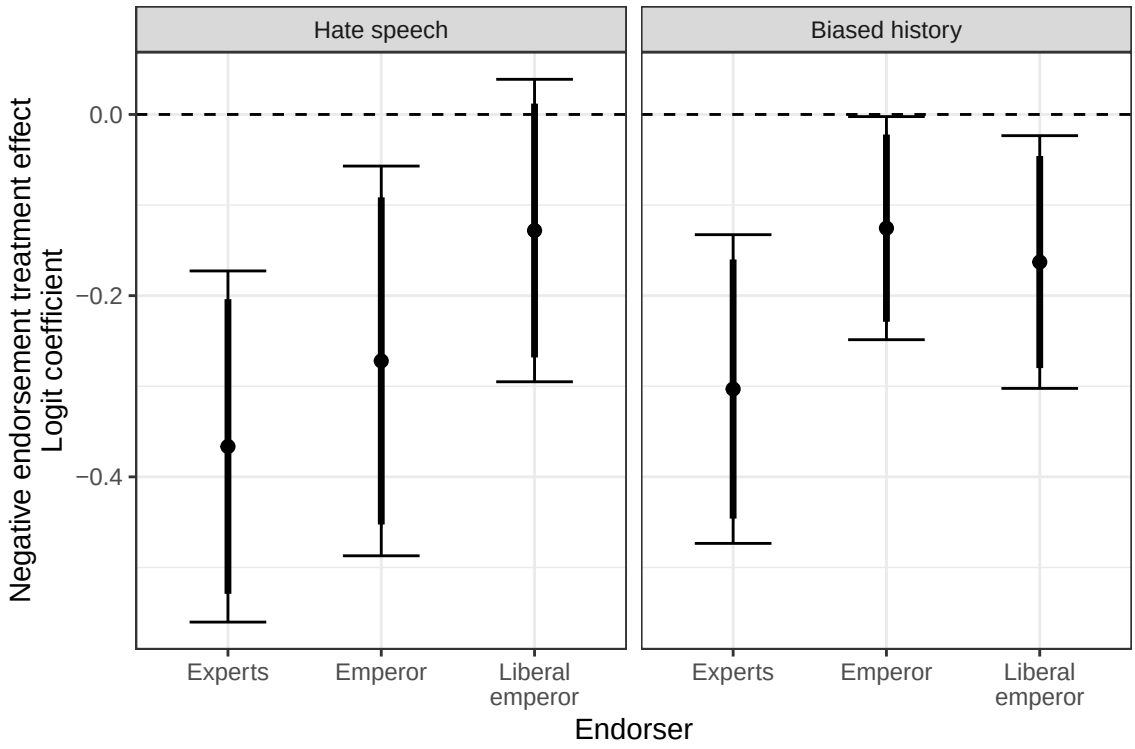
```
##
## Call:
## glm(formula = limitexp > 1 ~ after + Aword_emperor + Aword_expert +
##     Bword_emperor + Bword_expert, family = binomial("logit"),
##     data = dRpanel)
##
## Deviance Residuals:
##     Min       1Q   Median       3Q      Max
## -1.4941  -1.3586   0.9424   1.0055   1.0335
##
## Coefficients:
##               Estimate Std. Error z value Pr(>|z|)
## (Intercept)    0.58159    0.13161   4.419 9.92e-06 ***
## after         -0.16288    0.18412  -0.885    0.376
## Aword_emperor  0.03741    0.25707   0.146    0.884
## Aword_expert  -0.14019    0.26826  -0.523    0.601
## Bword_emperor -0.10781    0.18361  -0.587    0.557
## Bword_expert   0.13787    0.19274   0.715    0.474
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## (Dispersion parameter for binomial family taken to be 1)
##
##     Null deviance: 1966.2  on 1479  degrees of freedom
## Residual deviance: 1961.1  on 1474  degrees of freedom
##   (34 observations deleted due to missingness)
## AIC: 1973.1
##
## Number of Fisher Scoring iterations: 4
```

```
coeftest(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp2$terms))])$start_id
```

```
##
## z test of coefficients:
##
##                Estimate Std. Error z value  Pr(>|z|)
## (Intercept)    0.581595   0.131702  4.4160 1.005e-05 ***
## after         -0.162884   0.071166 -2.2888   0.02209 *
## Aword_emperor  0.037407   0.094923  0.3941   0.69353
## Aword_expert  -0.140186   0.112345 -1.2478   0.21210
## Bword_emperor -0.107810   0.183732 -0.5868   0.55735
## Bword_expert   0.137870   0.192870  0.7148   0.47471
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
tmp2c_se <- sqrt(diag(vcovCL(tmp2,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp2$terms))])$start_ic
tmp2c_p <- pnorm(-abs(summary(tmp2)$coefficients[,1]/tmp2c_se))*2

tmpdt2 <-
  rbind(c(mbG2$coefficients[2],mbG2c_se[2],
          coefci(mbG2, vcov.=vcovCL(mbG2,cluster=na.omit(dRpanel[,c("start_id",all.vars(mbG2$terms))])$s
          coefci(mbG2, vcov.=vcovCL(mbG2,cluster=na.omit(dRpanel[,c("start_id",all.vars(mbG2$terms))])$s
        c(tmp1$coefficients[2],tmp1c_se[2],
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp1$terms))])$s
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp1$terms))])$s
        c(tmp2$coefficients[2],tmp2c_se[2],
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp2$terms))])$s
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp2$terms))])$s

tmpdt2 <- as.data.frame(tmpdt2)
colnames(tmpdt2) <- c("cf","se","lci","uci","lci90","uci90")
tmpdt2$frame <- "Biased history"
tmpdt2$endorsement <- c("Experts","Emperor","Liberal\nemperor")

## Combine Data
mbG1dt <- rbind(tmpdt1,tmpdt2)
mbG1dt$frame <- factor(mbG1dt$frame, levels = c("Hate speech","Biased history"))
mbG1dt$endorsement <- factor(mbG1dt$endorsement, levels = unique(mbG1dt$endorsement))

write.csv(mbG1dt, row.names = F, file = "../out/effect_endorsement_logit_base_v2.csv")

## Plot of Endorsement Treatment Effects

require(ggplot2)

p <- ggplot(mbG1dt, aes(x=endorsement,y=cf)) +
  geom_hline(aes(yintercept=0), linetype=2) +
  geom_errorbar(aes(ymin=lci,ymax=uci), width=0.5) +
  geom_errorbar(aes(ymin=lci90,ymax=uci90), width=0, size=1.2) +
  geom_point(size=2) +
  facet_grid(.~frame) +
  labs(x="Endorser", y="Negative endorsement treatment effect\nLogit coefficient") +
  theme_bw()
```

```
p
```




```
ggsave("../out/effect_endorsement_logit_base_v2.pdf", width=6, height=4)
ggsave("../out/effect_endorsement_logit_base_v2.png", width=6, height=4)
```

```
## Logit (Extended) ##

tmp1 <- glm(limitexp > 1 ~
              after + Aword_expert + Aword_emperor_liberal +
              Bword_expert + Bword_emperor_liberal +
              fem + age + inccat + educat + employed + knall + csup + eqview + hmview,
            data = dLpanel, family=binomial("logit"))
summary(tmp1)
```

Logit (Extended) (Figure G.3)

```
##
## Call:
## glm(formula = limitexp > 1 ~ after + Aword_expert + Aword_emperor_liberal +
##     Bword_expert + Bword_emperor_liberal + fem + age + inccat +
##     educat + employed + knall + csup + eqview + hmview, family = binomial("logit"),
##     data = dLpanel)
##
## Deviance Residuals:
##     Min       1Q   Median       3Q      Max
## -2.1719  -1.3273   0.7007   0.8420   1.1792
##
## Coefficients:
##                           Estimate Std. Error z value Pr(>|z|)
## (Intercept)               0.098247   0.419901   0.234   0.8150
## after                    -0.276062   0.222827  -1.239   0.2154
## Aword_expert             -0.082653   0.301698  -0.274   0.7841
```

```
## Aword_emperor_liberal     0.140951   0.296162   0.476   0.6341
## Bword_expert             -0.125898   0.221429  -0.569   0.5696
## Bword_emperor_liberal    -0.334318   0.215059  -1.555   0.1201
## fem                       0.668322   0.129633   5.156 2.53e-07 ***
## age                       0.002759   0.005898   0.468   0.6399
## inccatMiddle (>=4m,<8m)  -0.006748   0.140546  -0.048   0.9617
## inccatHigh (>=8m)        -0.052051   0.193156  -0.269   0.7876
## inccatMissing             0.382482   0.206755   1.850   0.0643 .
## educat>SHS & <University  0.201655   0.201680   1.000   0.3174
## educat>=University        0.108389   0.167427   0.647   0.5174
## employed                  0.239998   0.139209   1.724   0.0847 .
## knall                    -0.102292   0.236403  -0.433   0.6652
## csup                      0.180736   0.131844   1.371   0.1704
## eqview                    0.522764   0.260234   2.009   0.0446 *
## hmview                    0.285532   0.299263   0.954   0.3400
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## (Dispersion parameter for binomial family taken to be 1)
##
##     Null deviance: 1724.7  on 1454  degrees of freedom
## Residual deviance: 1674.9  on 1437  degrees of freedom
##   (85 observations deleted due to missingness)
## AIC: 1710.9
##
## Number of Fisher Scoring iterations: 4
```

```
coeftest(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp1$terms))])$start_id
```

```
##
## z test of coefficients:
##
##                            Estimate Std. Error z value  Pr(>|z|)
## (Intercept)               0.0982470  0.5263525  0.1867   0.85193
## after                    -0.2760618  0.1145266 -2.4105   0.01593 *
## Aword_expert             -0.0826526  0.1534837 -0.5385   0.59022
## Aword_emperor_liberal     0.1409509  0.1444070  0.9761   0.32903
## Bword_expert             -0.1258980  0.2213325 -0.5688   0.56948
## Bword_emperor_liberal    -0.3343182  0.2141005 -1.5615   0.11841
## fem                       0.6683222  0.1714835  3.8973 9.727e-05 ***
## age                       0.0027594  0.0078253  0.3526   0.72437
## inccatMiddle (>=4m,<8m)  -0.0067478  0.1826292 -0.0369   0.97053
## inccatHigh (>=8m)        -0.0520508  0.2661389 -0.1956   0.84494
## inccatMissing             0.3824823  0.2722891  1.4047   0.16011
## educat>SHS & <University  0.2016554  0.2693657  0.7486   0.45408
## educat>=University        0.1083892  0.2220445  0.4881   0.62545
## employed                  0.2399979  0.1857487  1.2921   0.19634
## knall                    -0.1022922  0.3040679 -0.3364   0.73656
## csup                      0.1807358  0.1762786  1.0253   0.30523
## eqview                    0.5227645  0.3636032  1.4377   0.15051
## hmview                    0.2855321  0.4033094  0.7080   0.47896
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
tmp1c_se <- sqrt(diag(vcovCL(tmp1,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp1$terms))])$start_i
tmp1c_p <- pnorm(-abs(summary(tmp1)$coefficients[,1]/tmp1c_se))*2
tmp2 <- glm(limitexp ~
             after + Aword_emperor + Aword_expert +
             Bword_emperor + Bword_expert +
             fem + age + inccat + educat + employed + knall + csup + eqview + hmview,
           data = dLpanel)
summary(tmp2)
```

```
##
## Call:
## glm(formula = limitexp ~ after + Aword_emperor + Aword_expert +
##     Bword_emperor + Bword_expert + fem + age + inccat + educat +
##     employed + knall + csup + eqview + hmview, data = dLpanel)
##
## Deviance Residuals:
##     Min       1Q   Median       3Q      Max
## -2.4561  -0.9866   0.1630   0.7988   2.0828
##
## Coefficients:
##                             Estimate Std. Error t value Pr(>|t|)
## (Intercept)                 1.707523   0.187639   9.100   <2e-16 ***
## after                      -0.089660   0.088816  -1.009   0.3129
## Aword_emperor              -0.026742   0.130578  -0.205   0.8378
## Aword_expert               -0.086267   0.127322  -0.678   0.4982
## Bword_emperor               0.092445   0.092572   0.999   0.3181
## Bword_expert                0.061082   0.090508   0.675   0.4999
## fem                         0.170273   0.056864   2.994   0.0028 **
## age                         0.002836   0.002665   1.064   0.2874
## inccatMiddle (>=4m,<8m)    -0.035616   0.063310  -0.563   0.5738
## inccatHigh (>=8m)          -0.027564   0.086673  -0.318   0.7505
## inccatMissing               0.077714   0.087873   0.884   0.3766
## educat>SHS & <University    0.056601   0.089090   0.635   0.5253
## educat>=University          0.005268   0.076078   0.069   0.9448
## employed                    0.066152   0.062153   1.064   0.2874
## knall                      -0.101228   0.105269  -0.962   0.3364
## csup                        0.148791   0.058729   2.534   0.0114 *
## eqview                      0.240261   0.115867   2.074   0.0383 *
## hmview                      0.223620   0.135191   1.654   0.0983 .
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## (Dispersion parameter for gaussian family taken to be 1.021443)
##
##     Null deviance: 1506.2  on 1454  degrees of freedom
## Residual deviance: 1467.8  on 1437  degrees of freedom
##   (85 observations deleted due to missingness)
## AIC: 4179.9
##
## Number of Fisher Scoring iterations: 2
```

```
coeftest(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp2$terms))])$start_id
```

```
##
```

```
## z test of coefficients:
##
##                             Estimate Std. Error z value  Pr(>|z|)
## (Intercept)                1.7075232  0.2465596  6.9254 4.348e-12 ***
## after                     -0.0896595  0.0340865 -2.6304   0.00853 **
## Aword_emperor             -0.0267421  0.0490973 -0.5447   0.58598
## Aword_expert              -0.0862674  0.0546470 -1.5786   0.11442
## Bword_emperor              0.0924454  0.0918915  1.0060   0.31440
## Bword_expert               0.0610816  0.0902075  0.6771   0.49833
## fem                        0.1702729  0.0770004  2.2113   0.02701 *
## age                        0.0028356  0.0037299  0.7602   0.44711
## inccatMiddle (>=4m,<8m)   -0.0356157  0.0841862 -0.4231   0.67225
## inccatHigh (>=8m)         -0.0275639  0.1200629 -0.2296   0.81842
## inccatMissing              0.0777144  0.1109462  0.7005   0.48363
## educat>SHS & <University   0.0566012  0.1212961  0.4666   0.64076
## educat>=University         0.0052681  0.1007301  0.0523   0.95829
## employed                   0.0661519  0.0815579  0.8111   0.41731
## knall                     -0.1012277  0.1389309 -0.7286   0.46623
## csup                       0.1487909  0.0792954  1.8764   0.06060 .
## eqview                     0.2402614  0.1713399  1.4022   0.16084
## hmview                     0.2236202  0.1944272  1.1501   0.25008
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
tmp2c_se <- sqrt(diag(vcovCL(tmp2,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp2$terms))])$start_i
tmp2c_p <- pnorm(-abs(summary(tmp2)$coefficients[,1]/tmp2c_se))*2

tmpdt1 <-
  rbind(c(mG1$coefficients[2],mG1c_se[2],
          coefci(mG1, vcov.=vcovCL(mG1,cluster=na.omit(dLpanel[,c("start_id",all.vars(mG1$terms))])$sta
          coefci(mG1, vcov.=vcovCL(mG1,cluster=na.omit(dLpanel[,c("start_id",all.vars(mG1$terms))])$sta
        c(tmp1$coefficients[2],tmp1c_se[2],
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp1$terms))])$
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp1$terms))])$
        c(tmp2$coefficients[2],tmp2c_se[2],
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp2$terms))])$
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp2$terms))])$

tmpdt1 <- as.data.frame(tmpdt1)
colnames(tmpdt1) <- c("cf","se","lci","uci","lci90","uci90")
tmpdt1$frame <- "Hate speech"
tmpdt1$endorsement <- c("Experts","Emperor","Liberal\nemperor")

tmp1 <- glm(limitexp > 1 ~
              after + Aword_expert + Aword_emperor_liberal +
              Bword_expert + Bword_emperor_liberal +
              fem + age + inccat + educat + employed + knall + csup + eqview + hmview,
            data = dRpanel, family=binomial("logit"))
summary(tmp1)
```

```
##
## Call:
## glm(formula = limitexp > 1 ~ after + Aword_expert + Aword_emperor_liberal +
##     Bword_expert + Bword_emperor_liberal + fem + age + inccat +
##     educat + employed + knall + csup + eqview + hmview, family = binomial("logit"),
```

```
##     data = dRpanel)
##
## Deviance Residuals:
##     Min       1Q   Median       3Q      Max
## -1.9083  -1.2490   0.7913   1.0180   1.3207
##
## Coefficients:
##                            Estimate Std. Error z value Pr(>|z|)
## (Intercept)              -0.249713   0.363462  -0.687  0.49206
## after                    -0.136137   0.184720  -0.737  0.46113
## Aword_expert             -0.185357   0.272657  -0.680  0.49662
## Aword_emperor_liberal    -0.037117   0.264066  -0.141  0.88822
## Bword_expert              0.148870   0.196268   0.759  0.44815
## Bword_emperor_liberal     0.087112   0.188877   0.461  0.64465
## fem                      -0.013283   0.118673  -0.112  0.91088
## age                       0.007677   0.005309   1.446  0.14815
## inccatMiddle (>=4m,<8m)   0.009823   0.132126   0.074  0.94073
## inccatHigh (>=8m)         0.170841   0.173761   0.983  0.32551
## inccatMissing             0.324232   0.185861   1.744  0.08107 .
## educat>SHS & <University -0.038714   0.186041  -0.208  0.83515
## educat>=University       -0.277884   0.153170  -1.814  0.06964 .
## employed                 -0.003971   0.131871  -0.030  0.97598
## knall                     0.127308   0.203742   0.625  0.53207
## csup                      0.662220   0.131269   5.045 4.54e-07 ***
## eqview                    0.656256   0.254562   2.578  0.00994 **
## hmview                    0.096727   0.275519   0.351  0.72553
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## (Dispersion parameter for binomial family taken to be 1)
##
##     Null deviance: 1931.6  on 1451  degrees of freedom
## Residual deviance: 1872.5  on 1434  degrees of freedom
##   (62 observations deleted due to missingness)
## AIC: 1908.5
##
## Number of Fisher Scoring iterations: 4
```

```
coeftest(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp1$terms))])$start_id
```

```
##
## z test of coefficients:
##
##                            Estimate Std. Error z value Pr(>|z|)
## (Intercept)              -0.2497134  0.4920024 -0.5075 0.611772
## after                    -0.1361370  0.0672798 -2.0234 0.043027 *
## Aword_expert             -0.1853574  0.1143145 -1.6215 0.104917
## Aword_emperor_liberal    -0.0371171  0.1008140 -0.3682 0.712743
## Bword_expert              0.1488702  0.1983335  0.7506 0.452890
## Bword_emperor_liberal     0.0871123  0.1883969  0.4624 0.643804
## fem                      -0.0132833  0.1622516 -0.0819 0.934751
## age                       0.0076769  0.0071753  1.0699 0.284662
## inccatMiddle (>=4m,<8m)   0.0098232  0.1775147  0.0553 0.955870
## inccatHigh (>=8m)         0.1708409  0.2351696  0.7265 0.467558
## inccatMissing             0.3242319  0.2520760  1.2862 0.198357
```

```
## educat>SHS & <University -0.0387144  0.2520039 -0.1536 0.877905
## educat>=University       -0.2778839  0.2069954 -1.3425 0.179445
## employed                 -0.0039708  0.1787789 -0.0222 0.982280
## knall                     0.1273075  0.2832552  0.4494 0.653111
## csup                      0.6622202  0.1755649  3.7719 0.000162 ***
## eqview                    0.6562562  0.3546259  1.8506 0.064233 .
## hmview                    0.0967269  0.3855443  0.2509 0.801904
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
tmp1c_se <- sqrt(diag(vcovCL(tmp1,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp1$terms))])$start_i
tmp1c_p <- pnorm(-abs(summary(tmp1)$coefficients[,1]/tmp1c_se))*2
tmp2 <- glm(limitexp ~
             after + Aword_emperor + Aword_expert +
             Bword_emperor + Bword_expert +
             fem + age + inccat + educat + employed + knall + csup + eqview + hmview,
           data = dRpanel)
summary(tmp2)
```

```
##
## Call:
## glm(formula = limitexp ~ after + Aword_emperor + Aword_expert +
##     Bword_emperor + Bword_expert + fem + age + inccat + educat +
##     employed + knall + csup + eqview + hmview, data = dRpanel)
##
## Deviance Residuals:
##     Min       1Q   Median       3Q      Max
## -2.5297  -0.8907   0.1760   0.9422   2.2405
##
## Coefficients:
##                            Estimate Std. Error t value Pr(>|t|)
## (Intercept)                1.619360   0.181056   8.944  < 2e-16 ***
## after                     -0.110670   0.094617  -1.170  0.24233
## Aword_emperor              0.037871   0.133019   0.285  0.77591
## Aword_expert              -0.086665   0.137584  -0.630  0.52885
## Bword_emperor             -0.011720   0.094399  -0.124  0.90121
## Bword_expert               0.015764   0.097852   0.161  0.87204
## fem                       -0.030650   0.059652  -0.514  0.60746
## age                        0.003035   0.002647   1.147  0.25162
## inccatMiddle (>=4m,<8m)    0.032676   0.066681   0.490  0.62418
## inccatHigh (>=8m)          0.097459   0.087471   1.114  0.26539
## inccatMissing              0.163737   0.091839   1.783  0.07482 .
## educat>SHS & <University  -0.056200   0.092068  -0.610  0.54168
## educat>=University        -0.189332   0.076183  -2.485  0.01306 *
## employed                  -0.005567   0.066161  -0.084  0.93296
## knall                      0.014963   0.102000   0.147  0.88339
## csup                       0.361223   0.063444   5.694 1.51e-08 ***
## eqview                     0.364425   0.126828   2.873  0.00412 **
## hmview                     0.234033   0.139064   1.683  0.09261 .
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## (Dispersion parameter for gaussian family taken to be 1.11224)
##
##     Null deviance: 1684.8  on 1451  degrees of freedom
```

```
## Residual deviance: 1595.0  on 1434  degrees of freedom
##   (62 observations deleted due to missingness)
## AIC: 4294.9
##
## Number of Fisher Scoring iterations: 2
```

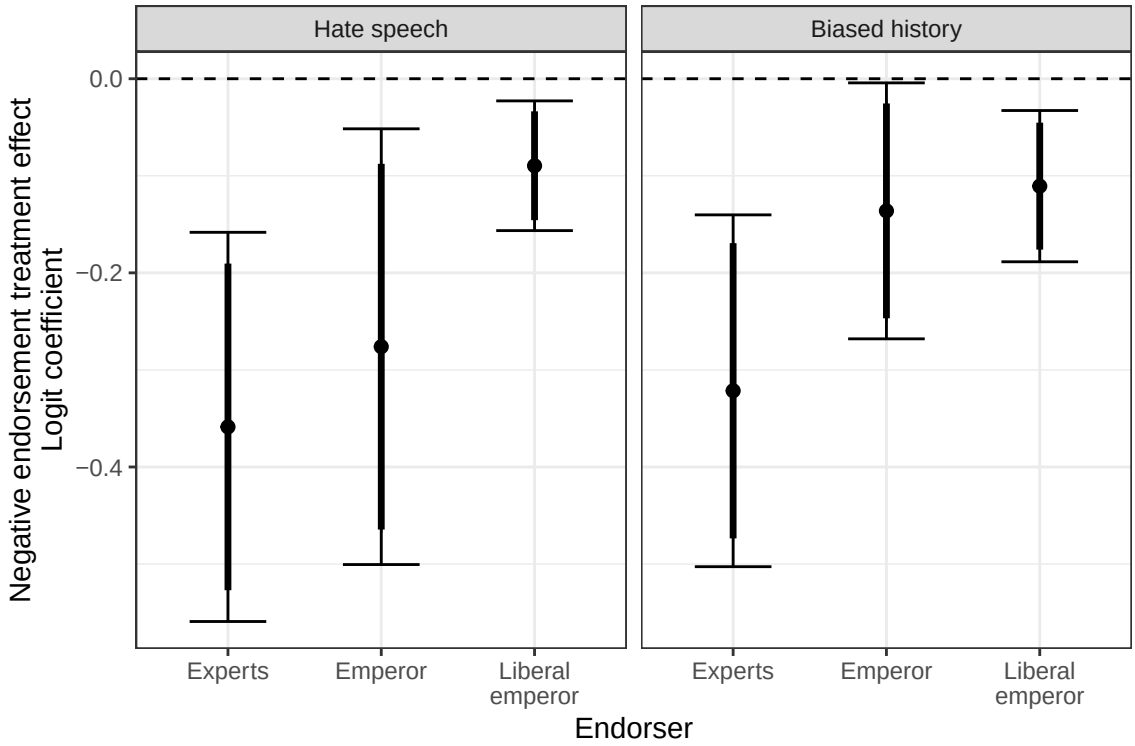
```
coeftest(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp2$terms))])$start_id
```

```
##
## z test of coefficients:
##
##                              Estimate Std. Error z value  Pr(>|z|)
## (Intercept)                 1.6193597  0.2445930  6.6206 3.577e-11 ***
## after                      -0.1106704  0.0397577 -2.7836  0.005376 **
## Aword_emperor               0.0378708  0.0531429  0.7126  0.476079
## Aword_expert               -0.0866654  0.0627469 -1.3812  0.167220
## Bword_emperor              -0.0117203  0.0947164 -0.1237  0.901521
## Bword_expert                0.0157636  0.0963209  0.1637  0.870001
## fem                        -0.0306498  0.0817515 -0.3749  0.707725
## age                         0.0030354  0.0035720  0.8498  0.395454
## inccatMiddle (>=4m,<8m)     0.0326761  0.0892007  0.3663  0.714125
## inccatHigh (>=8m)           0.0974590  0.1199570  0.8124  0.416534
## inccatMissing               0.1637368  0.1189878  1.3761  0.168797
## educat>SHS & <University   -0.0562002  0.1245061 -0.4514  0.651712
## educat>=University         -0.1893322  0.1007075 -1.8800  0.060105 .
## employed                   -0.0055668  0.0889551 -0.0626  0.950101
## knall                       0.0149634  0.1374751  0.1088  0.913326
## csup                        0.3612227  0.0821907  4.3949 1.108e-05 ***
## eqview                      0.3644251  0.1755613  2.0758  0.037915 *
## hmview                      0.2340334  0.2037991  1.1484  0.250823
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
tmp2c_se <- sqrt(diag(vcovCL(tmp2,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp2$terms))])$start_id
tmp2c_p <- pnorm(-abs(summary(tmp2)$coefficients[,1]/tmp2c_se))*2

tmpdt2 <-
  rbind(c(mG2$coefficients[2],mG2c_se[2],
          coefci(mG2, vcov.=vcovCL(mG2,cluster=na.omit(dRpanel[,c("start_id",all.vars(mG2$terms))])$sta
          coefci(mG2, vcov.=vcovCL(mG2,cluster=na.omit(dRpanel[,c("start_id",all.vars(mG2$terms))])$sta
        c(tmp1$coefficients[2],tmp1c_se[2],
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp1$terms))])$
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp1$terms))])$
        c(tmp2$coefficients[2],tmp2c_se[2],
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp2$terms))])$
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp2$terms))])$

tmpdt2 <- as.data.frame(tmpdt2)
colnames(tmpdt2) <- c("cf","se","lci","uci","lci90","uci90")
tmpdt2$frame <- "Biased history"
tmpdt2$endorsement <- c("Experts","Emperor","Liberal\nemperor")

## Combine Data
mG1dt <- rbind(tmpdt1,tmpdt2)
mG1dt$frame <- factor(mG1dt$frame, levels = c("Hate speech","Biased history"))
```

```r
mG1dt$endorsement <- factor(mG1dt$endorsement, levels = unique(mG1dt$endorsement))

write.csv(mG1dt, row.names = F, file = "../out/effect_endorsement_logit_ext_v2.csv")

## Plot of Endorsement Treatment Effects

require(ggplot2)

p <- ggplot(mG1dt, aes(x=endorsement,y=cf)) +
  geom_hline(aes(yintercept=0), linetype=2) +
  geom_errorbar(aes(ymin=lci,ymax=uci), width=0.5) +
  geom_errorbar(aes(ymin=lci90,ymax=uci90), width=0, size=1.2) +
  geom_point(size=2) +
  facet_grid(.~frame) +
  labs(x="Endorser", y="Negative endorsement treatment effect\nLogit coefficient") +
  theme_bw()
```

```r
p
```




```r
ggsave("../out/effect_endorsement_logit_ext_v2.pdf", width=6, height=4)
ggsave("../out/effect_endorsement_logit_ext_v2.png", width=6, height=4)
```

```r
## Ordinal Logit (Baseline) ##

tmp1 <- polr(as.ordered(limitexp) ~
             after + Aword_expert + Aword_emperor_liberal +
             Bword_emperor + Bword_emperor_liberal,
           data = dLpanel, Hess = TRUE)
summary(tmp1)
```

Ordinal Logit (Baseline) (Figure G.4)

```
## Call:
## polr(formula = as.ordered(limitexp) ~ after + Aword_expert +
##     Aword_emperor_liberal + Bword_emperor + Bword_emperor_liberal,
##     data = dLpanel, Hess = TRUE)
##
## Coefficients:
##                           Value Std. Error t value
## after                  -0.19474     0.1739 -1.1196
## Aword_expert           -0.13426     0.2373 -0.5659
## Aword_emperor_liberal   0.02852     0.2384  0.1196
## Bword_emperor           0.09721     0.1685  0.5770
## Bword_emperor_liberal -0.02655     0.1636 -0.1623
##
## Intercepts:
##     Value    Std. Error t value
## 0|1  -2.8946   0.1536   -18.8467
## 1|2  -1.0586   0.1199    -8.8254
## 2|3  -0.0826   0.1168    -0.7077
## 3|4   3.1181   0.1695    18.3943
##
## Residual Deviance: 3910.771
## AIC: 3928.771
## (53 observations deleted due to missingness)
```

```
coeftest(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp1$terms))])$start_id
```

```
##
## t test of coefficients:
##
##                         Estimate Std. Error t value Pr(>|t|)
## after                  -0.194738   0.064131 -3.0365 0.002435 **
## Aword_expert           -0.134255   0.100782 -1.3321 0.183019
## Aword_emperor_liberal   0.028523   0.093137  0.3062 0.759459
## Bword_emperor           0.097207   0.165067  0.5889 0.556020
## Bword_emperor_liberal -0.026547   0.166985 -0.1590 0.873705
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
tmp1c_se <- sqrt(diag(vcovCL(tmp1,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp1$terms))])$start_i
tmp1c_p <- pnorm(-abs(summary(tmp1)$coefficients[,1]/tmp1c_se))*2
tmp2 <- polr(as.ordered(limitexp) ~
             after + Aword_emperor + Aword_expert +
             Bword_emperor + Bword_emperor_liberal,
           data = dLpanel, Hess = TRUE)
summary(tmp2)
```

```
## Call:
## polr(formula = as.ordered(limitexp) ~ after + Aword_emperor +
##     Aword_expert + Bword_emperor + Bword_emperor_liberal, data = dLpanel,
##     Hess = TRUE)
##
## Coefficients:
##                           Value Std. Error t value
## after                  -0.16621     0.1632 -1.0188
```

```
## Aword_emperor         -0.02851     0.2384 -0.1196
## Aword_expert          -0.16280     0.2295 -0.7094
## Bword_emperor          0.09717     0.1685  0.5768
## Bword_emperor_liberal -0.02657     0.1636 -0.1624
##
## Intercepts:
##     Value    Std. Error t value
## 0|1  -2.8946   0.1536   -18.8467
## 1|2  -1.0586   0.1199    -8.8256
## 2|3  -0.0826   0.1168    -0.7079
## 3|4   3.1181   0.1695    18.3942
##
## Residual Deviance: 3910.771
## AIC: 3928.771
## (53 observations deleted due to missingness)
```

```
coeftest(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp2$terms))])$start_id
```

```
##
## t test of coefficients:
##
##                        Estimate Std. Error t value Pr(>|t|)
## after                 -0.166215   0.067561 -2.4602   0.0140 *
## Aword_emperor         -0.028506   0.093137 -0.3061   0.7596
## Aword_expert          -0.162800   0.102854 -1.5828   0.1137
## Bword_emperor          0.097168   0.165067  0.5887   0.5562
## Bword_emperor_liberal -0.026566   0.166985 -0.1591   0.8736
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
tmp2c_se <- sqrt(diag(vcovCL(tmp2,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp2$terms))])$start_ic
tmp2c_p <- pnorm(-abs(summary(tmp2)$coefficients[,1]/tmp2c_se))*2

tmpdt1 <-
  rbind(c(mbD1$coefficients[1],mbD1c_se[1],
          coefci(mbD1, vcov.=vcovCL(mbD1,cluster=na.omit(dLpanel[,c("start_id",all.vars(mbD1$terms))])$s
          coefci(mbD1, vcov.=vcovCL(mbD1,cluster=na.omit(dLpanel[,c("start_id",all.vars(mbD1$terms))])$s
        c(tmp1$coefficients[1],tmp1c_se[1],
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp1$terms))])$s
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp1$terms))])$s
        c(tmp2$coefficients[1],tmp2c_se[1],
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp2$terms))])$s
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp2$terms))])$s

tmpdt1 <- as.data.frame(tmpdt1)
colnames(tmpdt1) <- c("cf","se","lci","uci","lci90","uci90")
tmpdt1$frame <- "Hate speech"
tmpdt1$endorsement <- c("Experts","Emperor","Liberal\nemperor")

tmp1 <- polr(as.ordered(limitexp) ~
             after + Aword_expert + Aword_emperor_liberal +
             Bword_emperor + Bword_emperor_liberal,
           data = dRpanel, Hess = TRUE)
summary(tmp1)
```

```
## Call:
## polr(formula = as.ordered(limitexp) ~ after + Aword_expert +
##     Aword_emperor_liberal + Bword_emperor + Bword_emperor_liberal,
##     data = dRpanel, Hess = TRUE)
##
## Coefficients:
##                          Value Std. Error t value
## after                 -0.12747     0.1630 -0.7819
## Aword_expert          -0.20261     0.2349 -0.8627
## Aword_emperor_liberal -0.07563     0.2322 -0.3257
## Bword_emperor         -0.14547     0.1679 -0.8665
## Bword_emperor_liberal -0.06832     0.1690 -0.4041
##
## Intercepts:
##     Value    Std. Error t value
## 0|1  -2.5803   0.1472   -17.5234
## 1|2  -0.6724   0.1239    -5.4282
## 2|3  -0.0089   0.1228    -0.0726
## 3|4   3.6049   0.2072    17.4024
##
## Residual Deviance: 3873.784
## AIC: 3891.784
## (34 observations deleted due to missingness)
```

```
coeftest(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp1$terms))])$start_id
```

```
##
## t test of coefficients:
##
##                          Estimate Std. Error t value Pr(>|t|)
## after                 -0.127465   0.061221 -2.0821  0.03751 *
## Aword_expert          -0.202612   0.100245 -2.0212  0.04344 *
## Aword_emperor_liberal -0.075633   0.092694 -0.8159  0.41467
## Bword_emperor         -0.145474   0.168278 -0.8645  0.38746
## Bword_emperor_liberal -0.068321   0.167632 -0.4076  0.68365
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
tmp1c_se <- sqrt(diag(vcovCL(tmp1,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp1$terms))])$start_id
tmp1c_p <- pnorm(-abs(summary(tmp1)$coefficients[,1]/tmp1c_se))*2
tmp2 <- polr(as.ordered(limitexp) ~
             after + Aword_emperor + Aword_expert +
             Bword_emperor + Bword_emperor_liberal,
           data = dRpanel, Hess = TRUE)
summary(tmp2)
```

```
## Call:
## polr(formula = as.ordered(limitexp) ~ after + Aword_emperor +
##     Aword_expert + Bword_emperor + Bword_emperor_liberal, data = dRpanel,
##     Hess = TRUE)
##
## Coefficients:
##                          Value Std. Error t value
## after                 -0.20310     0.1654 -1.2276
## Aword_emperor          0.07564     0.2322  0.3257
```

```
## Aword_expert          -0.12698     0.2365 -0.5369
## Bword_emperor         -0.14548     0.1679 -0.8665
## Bword_emperor_liberal -0.06833     0.1690 -0.4042
##
## Intercepts:
##     Value    Std. Error t value
## 0|1  -2.5803   0.1472   -17.5234
## 1|2  -0.6724   0.1239    -5.4282
## 2|3  -0.0089   0.1228    -0.0727
## 3|4   3.6049   0.2072    17.4024
##
## Residual Deviance: 3873.784
## AIC: 3891.784
## (34 observations deleted due to missingness)
```

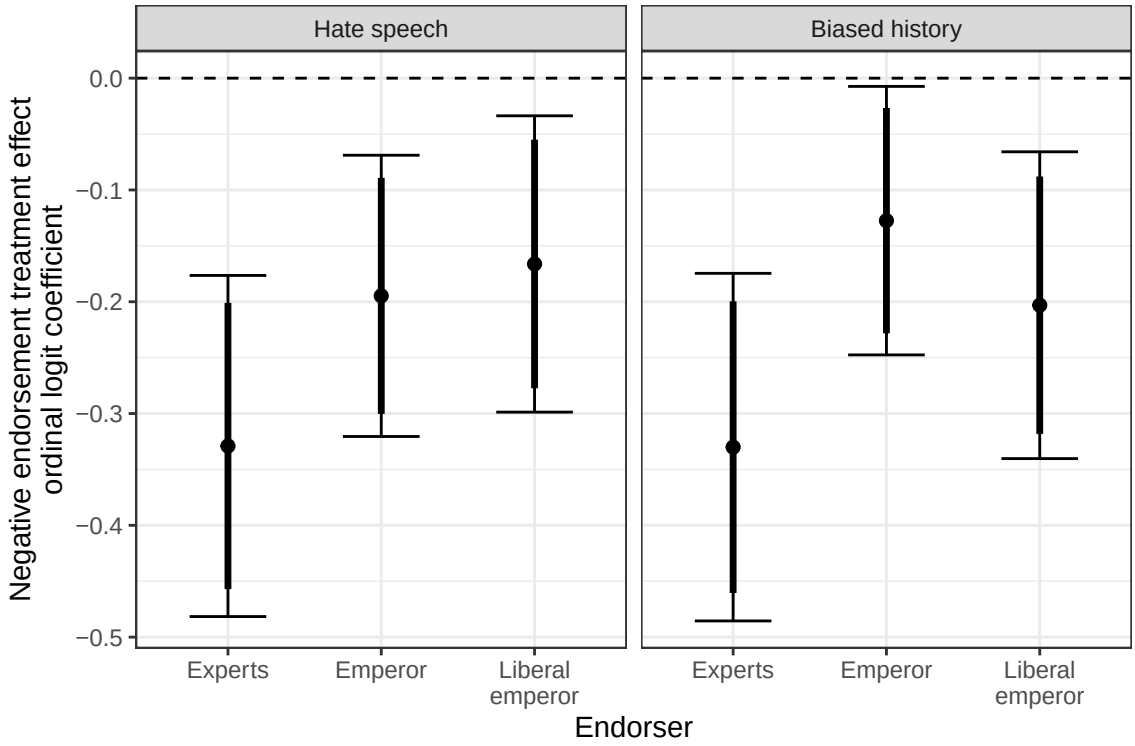
```
coeftest(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp2$terms))])$start_id
```

```
##
## t test of coefficients:
##
##                        Estimate Std. Error t value Pr(>|t|)
## after                 -0.203097   0.069951 -2.9034 0.003746 **
## Aword_emperor          0.075636   0.092694  0.8160 0.414648
## Aword_expert          -0.126977   0.105728 -1.2010 0.229951
## Bword_emperor         -0.145481   0.168278 -0.8645 0.387439
## Bword_emperor_liberal -0.068328   0.167632 -0.4076 0.683622
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
tmp2c_se <- sqrt(diag(vcovCL(tmp2,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp2$terms))])$start_id
tmp2c_p <- pnorm(-abs(summary(tmp2)$coefficients[,1]/tmp2c_se))*2

tmpdt2 <-
  rbind(c(mbD2$coefficients[1],mbD2c_se[1],
          coefci(mbD2, vcov.=vcovCL(mbD2,cluster=na.omit(dRpanel[,c("start_id",all.vars(mbD2$terms))])$s
          coefci(mbD2, vcov.=vcovCL(mbD2,cluster=na.omit(dRpanel[,c("start_id",all.vars(mbD2$terms))])$s
        c(tmp1$coefficients[1],tmp1c_se[1],
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp1$terms))])$s
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp1$terms))])$s
        c(tmp2$coefficients[1],tmp2c_se[1],
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp2$terms))])$s
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp2$terms))])$s

tmpdt2 <- as.data.frame(tmpdt2)
colnames(tmpdt2) <- c("cf","se","lci","uci","lci90","uci90")
tmpdt2$frame <- "Biased history"
tmpdt2$endorsement <- c("Experts","Emperor","Liberal\nemperor")

## Combine Data
mbD1dt <- rbind(tmpdt1,tmpdt2)
mbD1dt$frame <- factor(mbD1dt$frame, levels = c("Hate speech","Biased history"))
mbD1dt$endorsement <- factor(mbD1dt$endorsement, levels = unique(mbD1dt$endorsement))

write.csv(mbD1dt, row.names = F, file = "../out/effect_endorsement_ol_base_v2.csv")
```

```
## Plot of Endorsement Treatment Effects

require(ggplot2)

p <- ggplot(mbD1dt, aes(x=endorsement,y=cf)) +
  geom_hline(aes(yintercept=0), linetype=2) +
  geom_errorbar(aes(ymin=lci,ymax=uci), width=0.5) +
  geom_errorbar(aes(ymin=lci90,ymax=uci90), width=0, size=1.2) +
  geom_point(size=2) +
  facet_grid(.~frame) +
  labs(x="Endorser", y="Negative endorsement treatment effect\nordinal logit coefficient") +
  theme_bw()
```

```
p
```




```
ggsave("../out/effect_endorsement_ol_base_v2.pdf", width=6, height=4)
ggsave("../out/effect_endorsement_ol_base_v2.png", width=6, height=4)
```

```
## Ordinal Logit (Extended) ##

tmp1 <- polr(as.ordered(limitexp) ~
               after + Aword_expert + Aword_emperor_liberal +
               Bword_emperor + Bword_emperor_liberal +
               fem + age + inccat + educat + employed + knall + csup + eqview + hmview,
             data = dLpanel, Hess = TRUE)
summary(tmp1)
```

Ordinal Logit (Extended) (Figure G.5)

```
## Call:
```

```
## polr(formula = as.ordered(limitexp) ~ after + Aword_expert +
##     Aword_emperor_liberal + Bword_emperor + Bword_emperor_liberal +
##     fem + age + inccat + educat + employed + knall + csup + eqview +
##     hmview, data = dLpanel, Hess = TRUE)
##
## Coefficients:
##                              Value Std. Error  t value
## after                     -0.188744   0.175494 -1.07550
## Aword_expert              -0.130616   0.240840 -0.54234
## Aword_emperor_liberal      0.021982   0.240598  0.09136
## Bword_emperor              0.070594   0.171964  0.41052
## Bword_emperor_liberal     -0.082789   0.167103 -0.49544
## fem                        0.273797   0.104975  2.60822
## age                        0.004963   0.004946  1.00343
## inccatMiddle (>=4m,<8m)   -0.029434   0.115933 -0.25389
## inccatHigh (>=8m)         -0.022639   0.160315 -0.14122
## inccatMissing              0.098336   0.158348  0.62101
## educat>SHS & <University   0.125545   0.164365  0.76382
## educat>=University         0.010638   0.139560  0.07623
## employed                   0.110181   0.113204  0.97330
## knall                     -0.201021   0.191397 -1.05028
## csup                       0.289339   0.108967  2.65530
## eqview                     0.347661   0.220049  1.57993
## hmview                     0.375421   0.251435  1.49311
##
## Intercepts:
##     Value   Std. Error t value
## 0|1 -2.0721  0.3490    -5.9365
## 1|2 -0.2267  0.3382    -0.6703
## 2|3  0.7429  0.3387     2.1930
## 3|4  3.9471  0.3632    10.8673
##
## Residual Deviance: 3810.253
## AIC: 3852.253
## (85 observations deleted due to missingness)
```

```
coeftest(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp1$terms))])$start_id
```

```
##
## t test of coefficients:
##
##                             Estimate Std. Error t value Pr(>|t|)
## after                     -0.1887435  0.0660036 -2.8596 0.004303 **
## Aword_expert              -0.1306162  0.1037457 -1.2590 0.208234
## Aword_emperor_liberal      0.0219817  0.0956262  0.2299 0.818225
## Bword_emperor              0.0705939  0.1694532  0.4166 0.677035
## Bword_emperor_liberal     -0.0827889  0.1717818 -0.4819 0.629920
## fem                        0.2737973  0.1452518  1.8850 0.059634 .
## age                        0.0049628  0.0070804  0.7009 0.483471
## inccatMiddle (>=4m,<8m)   -0.0294344  0.1559373 -0.1888 0.850309
## inccatHigh (>=8m)         -0.0226390  0.2259577 -0.1002 0.920207
## inccatMissing              0.0983361  0.2046938  0.4804 0.631012
## educat>SHS & <University   0.1255448  0.2271253  0.5528 0.580517
## educat>=University         0.0106380  0.1894906  0.0561 0.955238
## employed                   0.1101811  0.1510118  0.7296 0.465742
```

```
## knall                    -0.2010215  0.2539169 -0.7917 0.428677
## csup                      0.2893390  0.1516117  1.9084 0.056536 .
## eqview                    0.3476610  0.3355127  1.0362 0.300280
## hmview                    0.3754209  0.3643907  1.0303 0.303057
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
tmp1c_se <- sqrt(diag(vcovCL(tmp1,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp1$terms))])$start_i
tmp1c_p <- pnorm(-abs(summary(tmp1)$coefficients[,1]/tmp1c_se))*2
tmp2 <- polr(as.ordered(limitexp) ~
               after + Aword_emperor + Aword_expert +
               Bword_emperor + Bword_emperor_liberal +
               fem + age + inccat + educat + employed + knall + csup + eqview + hmview,
             data = dLpanel, Hess = TRUE)
summary(tmp2)
```

```
## Call:
## polr(formula = as.ordered(limitexp) ~ after + Aword_emperor +
##     Aword_expert + Bword_emperor + Bword_emperor_liberal + fem +
##     age + inccat + educat + employed + knall + csup + eqview +
##     hmview, data = dLpanel, Hess = TRUE)
##
## Coefficients:
##                              Value Std. Error  t value
## after                    -0.166761   0.164658 -1.01277
## Aword_emperor            -0.022012   0.240598 -0.09149
## Aword_expert             -0.152583   0.233090 -0.65461
## Bword_emperor             0.070625   0.171964  0.41070
## Bword_emperor_liberal    -0.082773   0.167103 -0.49534
## fem                       0.273789   0.104975  2.60815
## age                       0.004963   0.004946  1.00345
## inccatMiddle (>=4m,<8m)  -0.029428   0.115933 -0.25384
## inccatHigh (>=8m)        -0.022633   0.160315 -0.14118
## inccatMissing             0.098345   0.158348  0.62107
## educat>SHS & <University  0.125546   0.164365  0.76383
## educat>=University        0.010638   0.139560  0.07623
## employed                  0.110176   0.113204  0.97325
## knall                    -0.201022   0.191397 -1.05029
## csup                      0.289332   0.108967  2.65523
## eqview                    0.347679   0.220049  1.58001
## hmview                    0.375419   0.251435  1.49310
##
## Intercepts:
##     Value   Std. Error t value
## 0|1 -2.0720  0.3490    -5.9364
## 1|2 -0.2267  0.3382    -0.6702
## 2|3  0.7429  0.3387     2.1931
## 3|4  3.9471  0.3632    10.8674
##
## Residual Deviance: 3810.253
## AIC: 3852.253
## (85 observations deleted due to missingness)
```

```
coeftest(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp2$terms))])$start_id
```

```
##
## t test of coefficients:
##
##                             Estimate Std. Error t value Pr(>|t|)
## after                     -0.1667612  0.0691992 -2.4099  0.01608 *
## Aword_emperor             -0.0220117  0.0956262 -0.2302  0.81798
## Aword_expert              -0.1525834  0.1059227 -1.4405  0.14994
## Bword_emperor              0.0706255  0.1694532  0.4168  0.67690
## Bword_emperor_liberal     -0.0827732  0.1717815 -0.4819  0.62998
## fem                        0.2737893  0.1452518  1.8849  0.05964 .
## age                        0.0049629  0.0070804  0.7009  0.48346
## inccatMiddle (>=4m,<8m)   -0.0294285  0.1559373 -0.1887  0.85034
## inccatHigh (>=8m)         -0.0226327  0.2259577 -0.1002  0.92023
## inccatMissing              0.0983449  0.2046937  0.4804  0.63098
## educat>SHS & <University   0.1255463  0.2271252  0.5528  0.58051
## educat>=University         0.0106380  0.1894906  0.0561  0.95524
## employed                   0.1101758  0.1510118  0.7296  0.46576
## knall                     -0.2010224  0.2539169 -0.7917  0.42867
## csup                       0.2893316  0.1516116  1.9084  0.05654 .
## eqview                     0.3476788  0.3355129  1.0363  0.30026
## hmview                     0.3754194  0.3643906  1.0303  0.30306
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
tmp2c_se <- sqrt(diag(vcovCL(tmp2,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp2$terms))])$start_ic
tmp2c_p <- pnorm(-abs(summary(tmp2)$coefficients[,1]/tmp2c_se))*2

tmpdt1 <-
  rbind(c(mD1$coefficients[1],mD1c_se[1],
          coefci(mD1, vcov.=vcovCL(mD1,cluster=na.omit(dLpanel[,c("start_id",all.vars(mD1$terms))])$sta
          coefci(mD1, vcov.=vcovCL(mD1,cluster=na.omit(dLpanel[,c("start_id",all.vars(mD1$terms))])$sta
        c(tmp1$coefficients[1],tmp1c_se[1],
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp1$terms))])$
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp1$terms))])$
        c(tmp2$coefficients[1],tmp2c_se[1],
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp2$terms))])$
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp2$terms))])$

tmpdt1 <- as.data.frame(tmpdt1)
colnames(tmpdt1) <- c("cf","se","lci","uci","lci90","uci90")
tmpdt1$frame <- "Hate speech"
tmpdt1$endorsement <- c("Experts","Emperor","Liberal\nemperor")

tmp1 <- polr(as.ordered(limitexp) ~
               after + Aword_expert + Aword_emperor_liberal +
               Bword_emperor + Bword_emperor_liberal +
               fem + age + inccat + educat + employed + knall + csup + eqview + hmview,
             data = dRpanel, Hess = TRUE)
summary(tmp1)
```

```
## Call:
## polr(formula = as.ordered(limitexp) ~ after + Aword_expert +
```

```
##     Aword_emperor_liberal + Bword_emperor + Bword_emperor_liberal +
##     fem + age + inccat + educat + employed + knall + csup + eqview +
##     hmview, data = dRpanel, Hess = TRUE)
##
## Coefficients:
##                               Value Std. Error  t value
## after                     -0.133841   0.166627 -0.80324
## Aword_expert              -0.210695   0.240292 -0.87683
## Aword_emperor_liberal     -0.085345   0.236259 -0.36124
## Bword_emperor             -0.035416   0.172577 -0.20522
## Bword_emperor_liberal      0.009267   0.173041  0.05355
## fem                       -0.055361   0.105898 -0.52278
## age                        0.005625   0.004698  1.19720
## inccatMiddle (>=4m,<8m)    0.058062   0.117971  0.49218
## inccatHigh (>=8m)          0.150092   0.153429  0.97825
## inccatMissing              0.272815   0.160812  1.69648
## educat>SHS & <University -0.081085   0.164606 -0.49260
## educat>=University       -0.318787   0.135249 -2.35704
## employed                 -0.020997   0.116247 -0.18063
## knall                      0.020342   0.179436  0.11337
## csup                       0.642644   0.114420  5.61653
## eqview                     0.628713   0.228527  2.75115
## hmview                     0.404758   0.252329  1.60408
##
## Intercepts:
##     Value   Std. Error t value
## 0|1 -1.7738  0.3367    -5.2678
## 1|2  0.1787  0.3300     0.5416
## 2|3  0.8544  0.3308     2.5829
## 3|4  4.5639  0.3754    12.1579
##
## Residual Deviance: 3722.753
## AIC: 3764.753
## (62 observations deleted due to missingness)
```

```
coeftest(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp1$terms))])$start_id
```

```
##
## t test of coefficients:
##
##                             Estimate Std. Error t value  Pr(>|t|)
## after                     -0.1338410  0.0667067 -2.0064   0.04500 *
## Aword_expert              -0.2106947  0.1076079 -1.9580   0.05043 .
## Aword_emperor_liberal     -0.0853452  0.0991662 -0.8606   0.38959
## Bword_emperor             -0.0354160  0.1767134 -0.2004   0.84118
## Bword_emperor_liberal      0.0092666  0.1724835  0.0537   0.95716
## fem                       -0.0553611  0.1484665 -0.3729   0.70929
## age                        0.0056248  0.0064780  0.8683   0.38539
## inccatMiddle (>=4m,<8m)    0.0580625  0.1608004  0.3611   0.71809
## inccatHigh (>=8m)          0.1500922  0.2095572  0.7162   0.47396
## inccatMissing              0.2728148  0.2106190  1.2953   0.19543
## educat>SHS & <University -0.0810855  0.2288205 -0.3544   0.72312
## educat>=University       -0.3187874  0.1841264 -1.7314   0.08360 .
## employed                 -0.0209972  0.1562135 -0.1344   0.89309
## knall                      0.0203424  0.2451460  0.0830   0.93388
```

```
## csup                       0.6426435  0.1534105  4.1890 2.973e-05 ***
## eqview                     0.6287126  0.3263415  1.9265   0.05423 .
## hmview                     0.4047576  0.3830836  1.0566   0.29088
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
tmp1c_se <- sqrt(diag(vcovCL(tmp1,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp1$terms))])$start_i
tmp1c_p <- pnorm(-abs(summary(tmp1)$coefficients[,1]/tmp1c_se))*2
tmp2 <- polr(as.ordered(limitexp) ~
               after + Aword_emperor + Aword_expert +
               Bword_emperor + Bword_emperor_liberal +
               fem + age + inccat + educat + employed + knall + csup + eqview + hmview,
             data = dRpanel, Hess = TRUE)
summary(tmp2)
```

```
## Call:
## polr(formula = as.ordered(limitexp) ~ after + Aword_emperor +
##     Aword_expert + Bword_emperor + Bword_emperor_liberal + fem +
##     age + inccat + educat + employed + knall + csup + eqview +
##     hmview, data = dRpanel, Hess = TRUE)
##
## Coefficients:
##                               Value Std. Error  t value
## after                     -0.219186   0.167630 -1.30756
## Aword_emperor              0.085345   0.236259  0.36123
## Aword_expert              -0.125349   0.240910 -0.52031
## Bword_emperor             -0.035415   0.172577 -0.20521
## Bword_emperor_liberal      0.009266   0.173041  0.05355
## fem                       -0.055362   0.105898 -0.52279
## age                        0.005625   0.004698  1.19719
## inccatMiddle (>=4m,<8m)    0.058062   0.117971  0.49217
## inccatHigh (>=8m)          0.150092   0.153429  0.97825
## inccatMissing              0.272815   0.160812  1.69648
## educat>SHS & <University -0.081084   0.164606 -0.49259
## educat>=University       -0.318785   0.135249 -2.35703
## employed                 -0.020998   0.116247 -0.18063
## knall                     0.020341   0.179436  0.11336
## csup                      0.642644   0.114420  5.61653
## eqview                    0.628714   0.228527  2.75116
## hmview                    0.404757   0.252329  1.60408
##
## Intercepts:
##     Value   Std. Error t value
## 0|1 -1.7739  0.3367    -5.2678
## 1|2  0.1787  0.3300     0.5416
## 2|3  0.8544  0.3308     2.5829
## 3|4  4.5639  0.3754    12.1579
##
## Residual Deviance: 3722.753
## AIC: 3764.753
## (62 observations deleted due to missingness)
```

```
coeftest(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp2$terms))])$start_id
```

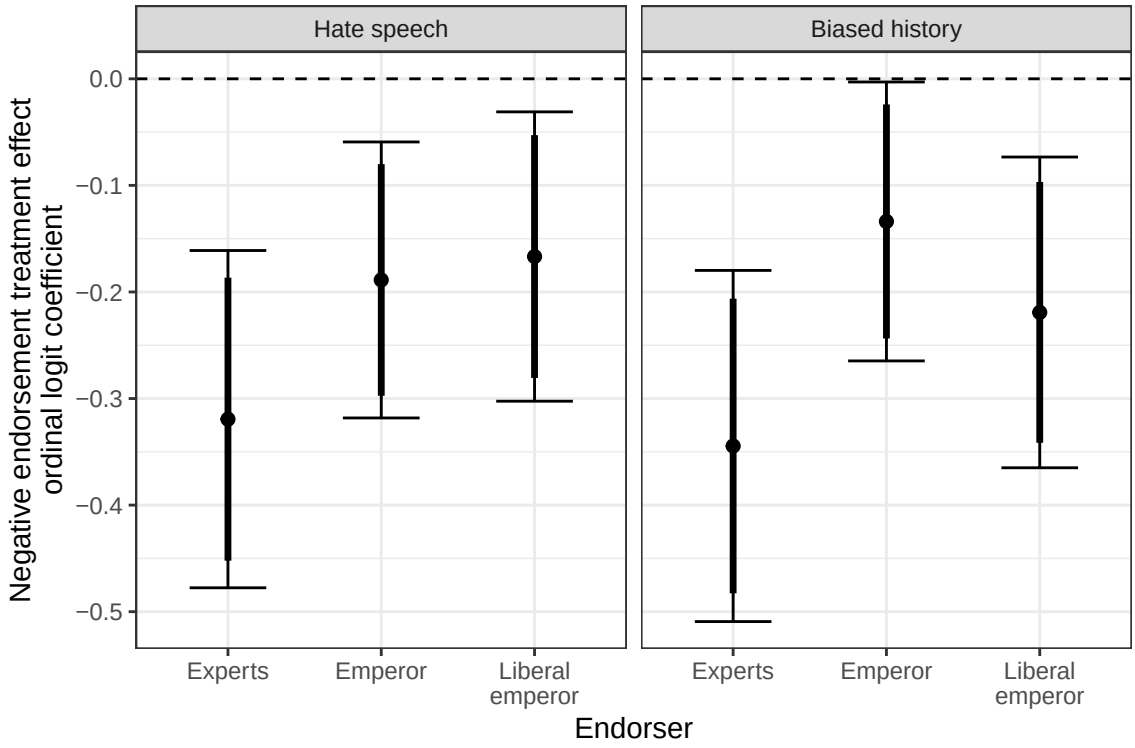
```
##
```

```
## t test of coefficients:
##
##                              Estimate Std. Error t value  Pr(>|t|)
## after                      -0.2191865  0.0743166 -2.9494  0.003236 **
## Aword_emperor               0.0853446  0.0991663  0.8606  0.389591
## Aword_expert               -0.1253491  0.1121506 -1.1177  0.263889
## Bword_emperor              -0.0354154  0.1767135 -0.2004  0.841187
## Bword_emperor_liberal       0.0092664  0.1724835  0.0537  0.957163
## fem                        -0.0553618  0.1484665 -0.3729  0.709285
## age                         0.0056247  0.0064780  0.8683  0.385389
## inccatMiddle (>=4m,<8m)     0.0580617  0.1608004  0.3611  0.718094
## inccatHigh (>=8m)           0.1500919  0.2095572  0.7162  0.473964
## inccatMissing               0.2728150  0.2106191  1.2953  0.195425
## educat>SHS & <University   -0.0810839  0.2288205 -0.3544  0.723124
## educat>=University         -0.3187852  0.1841265 -1.7313  0.083607 .
## employed                   -0.0209978  0.1562135 -0.1344  0.893092
## knall                       0.0203405  0.2451460  0.0830  0.933885
## csup                        0.6426435  0.1534105  4.1890 2.973e-05 ***
## eqview                      0.6287135  0.3263416  1.9266  0.054234 .
## hmview                      0.4047574  0.3830836  1.0566  0.290883
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
tmp2c_se <- sqrt(diag(vcovCL(tmp2,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp2$terms))])$start_id
tmp2c_p <- pnorm(-abs(summary(tmp2)$coefficients[,1]/tmp2c_se))*2

tmpdt2 <-
  rbind(c(mD2$coefficients[1],mD2c_se[1],
          coefci(mD2, vcov.=vcovCL(mD2,cluster=na.omit(dRpanel[,c("start_id",all.vars(mD2$terms))])$sta
          coefci(mD2, vcov.=vcovCL(mD2,cluster=na.omit(dRpanel[,c("start_id",all.vars(mD2$terms))])$sta
        c(tmp1$coefficients[1],tmp1c_se[1],
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp1$terms))])$
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp1$terms))])$
        c(tmp2$coefficients[1],tmp2c_se[1],
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp2$terms))])$
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp2$terms))])$

tmpdt2 <- as.data.frame(tmpdt2)
colnames(tmpdt2) <- c("cf","se","lci","uci","lci90","uci90")
tmpdt2$frame <- "Biased history"
tmpdt2$endorsement <- c("Experts","Emperor","Liberal\nemperor")

## Combine Data
mD1dt <- rbind(tmpdt1,tmpdt2)
mD1dt$frame <- factor(mD1dt$frame, levels = c("Hate speech","Biased history"))
mD1dt$endorsement <- factor(mD1dt$endorsement, levels = unique(mD1dt$endorsement))

write.csv(mD1dt, row.names = F, file = "../out/effect_endorsement_ol_ext_v2.csv")

## Plot of Endorsement Treatment Effects

require(ggplot2)

p <- ggplot(mD1dt, aes(x=endorsement,y=cf)) +
```

```
  geom_hline(aes(yintercept=0), linetype=2) +
  geom_errorbar(aes(ymin=lci,ymax=uci), width=0.5) +
  geom_errorbar(aes(ymin=lci90,ymax=uci90), width=0, size=1.2) +
  geom_point(size=2) +
  facet_grid(.~frame) +
  labs(x="Endorser", y="Negative endorsement treatment effect\nordinal logit coefficient") +
  theme_bw()
```

```
p
```




```
ggsave("../out/effect_endorsement_ol_ext_v2.pdf", width=6, height=4)
ggsave("../out/effect_endorsement_ol_ext_v2.png", width=6, height=4)
```

Moderation by Ideologues vs. Moderates

```
tmpfunc <- function(dLpanel, dRpanel, postfixset) {

  ## Baseline (Linear Model)
  mbL1 <- lm(limitexp ~
               after + Aword_emperor + Aword_emperor_liberal +
               Bword_emperor + Bword_emperor_liberal,
             data = dLpanel)
  coeftest(mbL1, vcov.=vcovCL(mbL1,cluster=na.omit(dLpanel[,c("start_id",all.vars(mbL1$terms))])$start_
  mbL1c_se <- sqrt(diag(vcovCL(mbL1,cluster=na.omit(dLpanel[,c("start_id",all.vars(mbL1$terms))])$start_
  mbL1c_p <- pt(-abs(summary(mbL1)$coefficients[,1]/mbL1c_se), df = mbL1$df.residual)*2
  mbL2 <- lm(limitexp ~
               after + Aword_emperor + Aword_emperor_liberal +
               Bword_emperor + Bword_emperor_liberal,
             data = dRpanel)
  summary(mbL2)
```

```
coeftest(mbL2, vcov.=vcovCL(mbL2,cluster=na.omit(dRpanel[,c("start_id",all.vars(mbL2$terms))])$start_
mbL2c_se <- sqrt(diag(vcovCL(mbL2,cluster=na.omit(dRpanel[,c("start_id",all.vars(mbL2$terms))])$start
mbL2c_p <- pt(-abs(summary(mbL2)$coefficients[,1]/mbL2c_se), df = mbL2$df.residual)*2

## Extended (Linear Model)
mL1 <- lm(limitexp ~
            after + Aword_emperor + Aword_emperor_liberal +
            Bword_emperor + Bword_emperor_liberal +
            fem + age + inccat + educat + employed + knall + csup + eqview + hmview,
          data = dLpanel)
summary(mL1)
coeftest(mL1, vcov.=vcovCL(mL1,cluster=na.omit(dLpanel[,c("start_id",all.vars(mL1$terms))])$start_id)
mL1c_se <- sqrt(diag(vcovCL(mL1,cluster=na.omit(dLpanel[,c("start_id",all.vars(mL1$terms))])$start_id
mL1c_p <- pt(-abs(summary(mL1)$coefficients[,1]/mL1c_se), df = mL1$df.residual)*2
mL2 <- lm(limitexp ~
            after + Aword_emperor + Aword_emperor_liberal +
            Bword_emperor + Bword_emperor_liberal +
            fem + age + inccat + educat + employed + knall + csup + eqview + hmview,
          data = dRpanel)
summary(mL2)
coeftest(mL2, vcov.=vcovCL(mL2,cluster=na.omit(dRpanel[,c("start_id",all.vars(mL2$terms))])$start_id)
mL2c_se <- sqrt(diag(vcovCL(mL2,cluster=na.omit(dRpanel[,c("start_id",all.vars(mL2$terms))])$start_id
mL2c_p <- pt(-abs(summary(mL2)$coefficients[,1]/mL2c_se), df = mL2$df.residual)*2

## Baseline (logit)
mbG1 <- glm(limitexp > 1 ~
              after + Aword_emperor + Aword_emperor_liberal +
              Bword_emperor + Bword_emperor_liberal,
            data = dLpanel, family=binomial("logit"))
coeftest(mbG1, vcov.=vcovCL(mbG1,cluster=na.omit(dLpanel[,c("start_id",all.vars(mbG1$terms))])$start_
mbG1c_se <- sqrt(diag(vcovCL(mbG1,cluster=na.omit(dLpanel[,c("start_id",all.vars(mbG1$terms))])$start
mbG1c_p <- pnorm(-abs(summary(mbG1)$coefficients[,1]/mbG1c_se))*2
mbG2 <- glm(limitexp > 1 ~
              after + Aword_emperor + Aword_emperor_liberal +
              Bword_emperor + Bword_emperor_liberal,
            data = dRpanel, family=binomial("logit"))
summary(mbG2)
coeftest(mbG2, vcov.=vcovCL(mbG2,cluster=na.omit(dRpanel[,c("start_id",all.vars(mbG2$terms))])$start_
mbG2c_se <- sqrt(diag(vcovCL(mbG2,cluster=na.omit(dRpanel[,c("start_id",all.vars(mbG2$terms))])$start
mbG2c_p <- pnorm(-abs(summary(mbG2)$coefficients[,1]/mbG2c_se))*2

## Extended (logit)
mG1 <- glm(limitexp > 1 ~
             after + Aword_emperor + Aword_emperor_liberal +
             Bword_emperor + Bword_emperor_liberal +
             fem + age + inccat + educat + employed + knall + csup + eqview + hmview,
           data = dLpanel, family=binomial("logit"))
summary(mG1)
coeftest(mG1, vcov.=vcovCL(mG1,cluster=na.omit(dLpanel[,c("start_id",all.vars(mG1$terms))])$start_id)
mG1c_se <- sqrt(diag(vcovCL(mG1,cluster=na.omit(dLpanel[,c("start_id",all.vars(mG1$terms))])$start_id
mG1c_p <- pnorm(-abs(summary(mG1)$coefficients[,1]/mG1c_se))*2
mG2 <- glm(limitexp > 1 ~
             after + Aword_emperor + Aword_emperor_liberal +
```

```
              Bword_emperor + Bword_emperor_liberal +
              fem + age + inccat + educat + employed + knall + csup + eqview + hmview,
            data = dRpanel, family=binomial("logit"))
summary(mG2)
coeftest(mG2, vcov.=vcovCL(mG2,cluster=na.omit(dRpanel[,c("start_id",all.vars(mG2$terms))])$start_id)
mG2c_se <- sqrt(diag(vcovCL(mG2,cluster=na.omit(dRpanel[,c("start_id",all.vars(mG2$terms))])$start_id
mG2c_p <- pnorm(-abs(summary(mG2)$coefficients[,1]/mG2c_se))*2

## Baseline (ordinal logit)
mbD1 <- polr(as.ordered(limitexp) ~
               after + Aword_emperor + Aword_emperor_liberal +
               Bword_emperor + Bword_emperor_liberal,
             data = dLpanel, Hess = T)
summary(mbD1)
coeftest(mbD1, vcov.=vcovCL(mbD1,cluster=na.omit(dLpanel[,c("start_id",all.vars(mbD1$terms))])$start_
mbD1c_se <- sqrt(diag(vcovCL(mbD1,cluster=na.omit(dLpanel[,c("start_id",all.vars(mbD1$terms))])$start_
mbD1c_p <- pnorm(-abs(summary(mbD1)$coefficients[,1]/mbD1c_se))*2

mbD2 <- polr(as.ordered(limitexp) ~
               after + Aword_emperor + Aword_emperor_liberal +
               Bword_emperor + Bword_emperor_liberal,
             data = dRpanel, Hess = T)
summary(mbD2)
coeftest(mbD2, vcov.=vcovCL(mbD2,cluster=na.omit(dRpanel[,c("start_id",all.vars(mbD2$terms))])$start_
mbD2c_se <- sqrt(diag(vcovCL(mbD2,cluster=na.omit(dRpanel[,c("start_id",all.vars(mbD2$terms))])$start_
mbD2c_p <- pnorm(-abs(summary(mbD2)$coefficients[,1]/mbD2c_se))*2

## Extended (ordinal logit)
mD1 <- polr(as.ordered(limitexp) ~
              after + Aword_emperor + Aword_emperor_liberal +
              Bword_emperor + Bword_emperor_liberal +
              fem + age + inccat + educat + employed + knall + csup + eqview + hmview,
            data = dLpanel, Hess = T)
summary(mD1)
coeftest(mD1, vcov.=vcovCL(mD1,cluster=na.omit(dLpanel[,c("start_id",all.vars(mD1$terms))])$start_id)
mD1c_se <- sqrt(diag(vcovCL(mD1,cluster=na.omit(dLpanel[,c("start_id",all.vars(mD1$terms))])$start_id
mD1c_p <- pnorm(-abs(summary(mD1)$coefficients[,1]/mD1c_se))*2

mD2 <- polr(as.ordered(limitexp) ~
              after + Aword_emperor + Aword_emperor_liberal +
              Bword_emperor + Bword_emperor_liberal +
              fem + age + inccat + educat + employed + knall + csup + eqview + hmview,
            data = dRpanel, Hess = T)
summary(mD2)
coeftest(mD2, vcov.=vcovCL(mD2,cluster=na.omit(dRpanel[,c("start_id",all.vars(mD2$terms))])$start_id)
mD2c_se <- sqrt(diag(vcovCL(mD2,cluster=na.omit(dRpanel[,c("start_id",all.vars(mD2$terms))])$start_id
mD2c_p <- pnorm(-abs(summary(mD2)$coefficients[,1]/mD2c_se))*2

## Combined Tables

## Baseline (Linear Regression)
texreg(list(mbL1,mbL2), stars = c(0.1,0.05,0.01,0.001), symbol = "+",
       beside = T, digits = 3, single.row = T,
```

```
       override.se = list(mbL1c_se,mbL2c_se),
       override.pvalues = list(mbL1c_p,mbL2c_p),
       custom.model.names = c("Hate Speech", "Biased History"),
       custom.coef.map = vn,
       custom.note = "%stars. Robust standard errors clustered by respondent ID in parentheses.",
       use.packages = FALSE, booktabs = TRUE, dcolumn = TRUE, caption.above = TRUE, fontsize = "scrip
       caption = "Endorsement treatment effects on the support for regulating expression in public pla
       file = paste0("../out/resout_endorsement_lm_base_v2","_",postfixset,".tex"),
       label = paste0("table:resout_endorsement_lm_base","_",postfixset))

## Extended (Linear Regression)
texreg(list(mL1,mL2), stars = c(0.1,0.05,0.01,0.001), symbol = "+",
       beside = T, digits = 3, single.row = T,
       override.se = list(mL1c_se,mL2c_se),
       override.pvalues = list(mL1c_p,mL2c_p),
       custom.model.names = c("Hate Speech", "Biased History"),
       custom.coef.map = vn,
       custom.note = "%stars. Robust standard errors clustered by respondent ID in parentheses.",
       use.packages = FALSE, booktabs = TRUE, dcolumn = TRUE, caption.above = TRUE, fontsize = "scrip
       caption = "Endorsement treatment effects on the support for regulating expression in public pla
       file = paste0("../out/resout_endorsement_lm_ext_v2","_",postfixset,".tex"),
       label = paste0("table:resout_endorsement_lm_ext","_",postfixset))

## Baseline (logit)
texreg(list(mbG1,mbG2), stars = c(0.1,0.05,0.01,0.001), symbol = "+",
       beside = T, digits = 3, single.row = F,
       override.se = list(mbG1c_se,mbG2c_se),
       override.pvalues = list(mbG1c_p,mbG2c_p),
       custom.model.names = c("Hate Speech", "Biased History"),
       custom.coef.map = vn,
       custom.note = "%stars. Robust standard errors clustered by respondent ID in parentheses.",
       use.packages = FALSE, booktabs = TRUE, dcolumn = TRUE, caption.above = TRUE, fontsize = "scrip
       caption = "Endorsement treatment effects on the support for regulating expression in public pla
       file = paste0("../out/resout_endorsement_logit_base_v2","_",postfixset,".tex"),
       label = paste0("table:resout_endorsement_logit_base","_",postfixset))

## Extended (logit)
texreg(list(mG1,mG2), stars = c(0.1,0.05,0.01,0.001), symbol = "+",
       beside = T, digits = 3, single.row = F,
       override.se = list(mG1c_se,mG2c_se),
       override.pvalues = list(mG1c_p,mG2c_p),
       custom.model.names = c("Hate Speech", "Biased History"),
       custom.coef.map = vn,
       custom.note = "%stars. Robust standard errors clustered by respondent ID in parentheses.",
       use.packages = FALSE, booktabs = TRUE, dcolumn = TRUE, caption.above = TRUE, fontsize = "scrip
       caption = "Endorsement treatment effects on the support for regulating expression in public pla
       file = paste0("../out/resout_endorsement_logit_ext_v2","_",postfixset,".tex"),
       label = paste0("table:resout_endorsement_logit_ext","_",postfixset))

## Baseline (ordinal logit)
texreg(list(mbD1,mbD2), stars = c(0.1,0.05,0.01,0.001), symbol = "+",
       beside = T, digits = 3, single.row = F,
       override.se = list(mbD1c_se,mbD2c_se),
```

```
        override.pvalues = list(mbD1c_p,mbD2c_p),
        custom.model.names = c("Hate Speech", "Biased History"),
        custom.coef.map = vn,
        custom.note = "%stars. Robust standard errors clustered by respondent ID in parentheses.",
        use.packages = FALSE, booktabs = TRUE, dcolumn = TRUE, caption.above = TRUE, fontsize = "scrip
        caption = "Endorsement treatment effects on the support for regulating expression in public pla
        file = paste0("../out/resout_endorsement_ol_base_v2","_",postfixset,".tex"),
        label = paste0("table:resout_endorsement_ol_base","_",postfixset))

## Extended (ordinal logit)
texreg(list(mD1,mD2), stars = c(0.1,0.05,0.01,0.001), symbol = "+",
        beside = T, digits = 3, single.row = F,
        override.se = list(mD1c_se,mD2c_se),
        override.pvalues = list(mD1c_p,mD2c_p),
        custom.model.names = c("Hate Speech", "Biased History"),
        custom.coef.map = vn,
        custom.note = "%stars. Robust standard errors clustered by respondent ID in parentheses.",
        use.packages = FALSE, booktabs = TRUE, dcolumn = TRUE, caption.above = TRUE, fontsize = "scrip
        caption = "Endorsement treatment effects on the support for regulating expression in public pla
        file = paste0("../out/resout_endorsement_ol_ext_v2","_",postfixset,".tex"),
        label = paste0("table:resout_endorsement_ol_ext","_",postfixset))

## Plotting Endorsement Treatment Effects

## Linear Regression (Baseline) ##

tmp1 <- lm(limitexp ~
             after + Aword_expert + Aword_emperor_liberal +
             Bword_expert + Bword_emperor_liberal,
           data = dLpanel)
summary(tmp1)
coeftest(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp1$terms))])$start_
tmp1c_se <- sqrt(diag(vcovCL(tmp1,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp1$terms))])$start_
tmp1c_p <- pt(-abs(summary(tmp1)$coefficients[,1]/tmp1c_se), df = tmp1$df.residual)*2
tmp2 <- lm(limitexp ~
             after + Aword_emperor + Aword_expert +
             Bword_emperor + Bword_expert,
           data = dLpanel)
summary(tmp2)
coeftest(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp2$terms))])$start_
tmp2c_se <- sqrt(diag(vcovCL(tmp2,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp2$terms))])$start_
tmp2c_p <- pt(-abs(summary(tmp2)$coefficients[,1]/tmp2c_se), df = tmp2$df.residual)*2

tmpdt1 <-
  rbind(c(mbL1$coefficients[2],mbL1c_se[2],
          coefci(mbL1, vcov.=vcovCL(mbL1,cluster=na.omit(dLpanel[,c("start_id",all.vars(mbL1$terms))]
          coefci(mbL1, vcov.=vcovCL(mbL1,cluster=na.omit(dLpanel[,c("start_id",all.vars(mbL1$terms))]
        c(tmp1$coefficients[2],tmp1c_se[2],
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp1$terms))]
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp1$terms))]
        c(tmp2$coefficients[2],tmp2c_se[2],
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp2$terms))]
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp2$terms))]
```

```
tmpdt1 <- as.data.frame(tmpdt1)
colnames(tmpdt1) <- c("cf","se","lci","uci","lci90","uci90")
tmpdt1$frame <- "Hate speech"
tmpdt1$endorsement <- c("Experts","Emperor","Liberal\nemperor")

tmp1 <- lm(limitexp ~
             after + Aword_expert + Aword_emperor_liberal +
             Bword_expert + Bword_emperor_liberal,
           data = dRpanel)
summary(tmp1)
coeftest(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp1$terms))])$start_
tmp1c_se <- sqrt(diag(vcovCL(tmp1,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp1$terms))])$start_
tmp1c_p <- pt(-abs(summary(tmp1)$coefficients[,1]/tmp1c_se), df = tmp1$df.residual)*2
tmp2 <- lm(limitexp ~
             after + Aword_emperor + Aword_expert +
             Bword_emperor + Bword_expert,
           data = dRpanel)
summary(tmp2)
coeftest(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp2$terms))])$start_
tmp2c_se <- sqrt(diag(vcovCL(tmp2,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp2$terms))])$start_
tmp2c_p <- pt(-abs(summary(tmp2)$coefficients[,1]/tmp2c_se), df = tmp2$df.residual)*2

tmpdt2 <-
  rbind(c(mbL2$coefficients[2],mbL2c_se[2],
          coefci(mbL2, vcov.=vcovCL(mbL2,cluster=na.omit(dRpanel[,c("start_id",all.vars(mbL2$terms))]
          coefci(mbL2, vcov.=vcovCL(mbL2,cluster=na.omit(dRpanel[,c("start_id",all.vars(mbL2$terms))]
        c(tmp1$coefficients[2],tmp1c_se[2],
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp1$terms))]
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp1$terms))]
        c(tmp2$coefficients[2],tmp2c_se[2],
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp2$terms))]
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp2$terms))]

tmpdt2 <- as.data.frame(tmpdt2)
colnames(tmpdt2) <- c("cf","se","lci","uci","lci90","uci90")
tmpdt2$frame <- "Biased history"
tmpdt2$endorsement <- c("Experts","Emperor","Liberal\nemperor")

## Combine Data
mbL1dt <- rbind(tmpdt1,tmpdt2)
mbL1dt$frame <- factor(mbL1dt$frame, levels = c("Hate speech","Biased history"))
mbL1dt$endorsement <- factor(mbL1dt$endorsement, levels = unique(mbL1dt$endorsement))

write.csv(mbL1dt, row.names = F,
          file = paste0("../out/effect_endorsement_lm_base_v2","_",postfixset,".csv"))

## Linear Regression (Extended) ##

tmp1 <- lm(limitexp ~
             after + Aword_expert + Aword_emperor_liberal +
             Bword_expert + Bword_emperor_liberal +
             fem + age + inccat + educat + employed + knall + csup + eqview + hmview,
           data = dLpanel)
```

```
summary(tmp1)
coeftest(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp1$terms))])$start_
tmp1c_se <- sqrt(diag(vcovCL(tmp1,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp1$terms))])$start_
tmp1c_p <- pt(-abs(summary(tmp1)$coefficients[,1]/tmp1c_se), df = tmp1$df.residual)*2
tmp2 <- lm(limitexp ~
             after + Aword_emperor + Aword_expert +
             Bword_emperor + Bword_expert +
             fem + age + inccat + educat + employed + knall + csup + eqview + hmview,
           data = dLpanel)
summary(tmp2)
coeftest(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp2$terms))])$start_
tmp2c_se <- sqrt(diag(vcovCL(tmp2,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp2$terms))])$start_
tmp2c_p <- pt(-abs(summary(tmp2)$coefficients[,1]/tmp2c_se), df = tmp2$df.residual)*2

tmpdt1 <-
  rbind(c(mL1$coefficients[2],mL1c_se[2],
          coefci(mL1, vcov.=vcovCL(mL1,cluster=na.omit(dLpanel[,c("start_id",all.vars(mL1$terms))])$s
          coefci(mL1, vcov.=vcovCL(mL1,cluster=na.omit(dLpanel[,c("start_id",all.vars(mL1$terms))])$s
        c(tmp1$coefficients[2],tmp1c_se[2],
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp1$terms))])
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp1$terms))])
        c(tmp2$coefficients[2],tmp2c_se[2],
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp2$terms))])
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp2$terms))])

tmpdt1 <- as.data.frame(tmpdt1)
colnames(tmpdt1) <- c("cf","se","lci","uci","lci90","uci90")
tmpdt1$frame <- "Hate speech"
tmpdt1$endorsement <- c("Experts","Emperor","Liberal\nemperor")

tmp1 <- lm(limitexp ~
             after + Aword_expert + Aword_emperor_liberal +
             Bword_expert + Bword_emperor_liberal +
             fem + age + inccat + educat + employed + knall + csup + eqview + hmview,
           data = dRpanel)
summary(tmp1)
coeftest(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp1$terms))])$start_
tmp1c_se <- sqrt(diag(vcovCL(tmp1,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp1$terms))])$start_
tmp1c_p <- pt(-abs(summary(tmp1)$coefficients[,1]/tmp1c_se), df = tmp1$df.residual)*2
tmp2 <- lm(limitexp ~
             after + Aword_emperor + Aword_expert +
             Bword_emperor + Bword_expert +
             fem + age + inccat + educat + employed + knall + csup + eqview + hmview,
           data = dRpanel)
summary(tmp2)
coeftest(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp2$terms))])$start_
tmp2c_se <- sqrt(diag(vcovCL(tmp2,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp2$terms))])$start_
tmp2c_p <- pt(-abs(summary(tmp2)$coefficients[,1]/tmp2c_se), df = tmp2$df.residual)*2

tmpdt2 <-
  rbind(c(mL2$coefficients[2],mL2c_se[2],
          coefci(mL2, vcov.=vcovCL(mL2,cluster=na.omit(dRpanel[,c("start_id",all.vars(mL2$terms))])$s
          coefci(mL2, vcov.=vcovCL(mL2,cluster=na.omit(dRpanel[,c("start_id",all.vars(mL2$terms))])$s
```

```
        c(tmp1$coefficients[2],tmp1c_se[2],
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp1$terms))]
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp1$terms))]
        c(tmp2$coefficients[2],tmp2c_se[2],
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp2$terms))]
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp2$terms))]

tmpdt2 <- as.data.frame(tmpdt2)
colnames(tmpdt2) <- c("cf","se","lci","uci","lci90","uci90")
tmpdt2$frame <- "Biased history"
tmpdt2$endorsement <- c("Experts","Emperor","Liberal\nemperor")

## Combine Data
mL1dt <- rbind(tmpdt1,tmpdt2)
mL1dt$frame <- factor(mL1dt$frame, levels = c("Hate speech","Biased history"))
mL1dt$endorsement <- factor(mL1dt$endorsement, levels = unique(mL1dt$endorsement))

write.csv(mL1dt, row.names = F,
          file = paste0("../out/effect_endorsement_lm_ext_v2","_",postfixset,".csv"))

## logit (Baseline) ##

tmp1 <- glm(limitexp > 1 ~
              after + Aword_expert + Aword_emperor_liberal +
              Bword_expert + Bword_emperor_liberal,
            data = dLpanel, family=binomial("logit"))
summary(tmp1)
coeftest(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp1$terms))])$start_
tmp1c_se <- sqrt(diag(vcovCL(tmp1,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp1$terms))])$start_
tmp1c_p <- pnorm(-abs(summary(tmp1)$coefficients[,1]/tmp1c_se))*2
tmp2 <- glm(limitexp > 1 ~
              after + Aword_emperor + Aword_expert +
              Bword_emperor + Bword_expert,
            data = dLpanel, family=binomial("logit"))
summary(tmp2)
coeftest(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp2$terms))])$start_
tmp2c_se <- sqrt(diag(vcovCL(tmp2,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp2$terms))])$start_
tmp2c_p <- pnorm(-abs(summary(tmp2)$coefficients[,1]/tmp2c_se))*2

tmpdt1 <-
  rbind(c(mbG1$coefficients[2],mbG1c_se[2],
          coefci(mbG1, vcov.=vcovCL(mbG1,cluster=na.omit(dLpanel[,c("start_id",all.vars(mbG1$terms))]
          coefci(mbG1, vcov.=vcovCL(mbG1,cluster=na.omit(dLpanel[,c("start_id",all.vars(mbG1$terms))]
        c(tmp1$coefficients[2],tmp1c_se[2],
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp1$terms))]
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp1$terms))]
        c(tmp2$coefficients[2],tmp2c_se[2],
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp2$terms))]
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp2$terms))]

tmpdt1 <- as.data.frame(tmpdt1)
colnames(tmpdt1) <- c("cf","se","lci","uci","lci90","uci90")
tmpdt1$frame <- "Hate speech"
```

```
tmpdt1$endorsement <- c("Experts","Emperor","Liberal\nemperor")

tmp1 <- glm(limitexp > 1 ~
              after + Aword_expert + Aword_emperor_liberal +
              Bword_expert + Bword_emperor_liberal,
            data = dRpanel, family=binomial("logit"))
summary(tmp1)
coeftest(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp1$terms))])$start_
tmp1c_se <- sqrt(diag(vcovCL(tmp1,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp1$terms))])$start
tmp1c_p <- pnorm(-abs(summary(tmp1)$coefficients[,1]/tmp1c_se))*2
tmp2 <- glm(limitexp > 1 ~
              after + Aword_emperor + Aword_expert +
              Bword_emperor + Bword_expert,
            data = dRpanel, family=binomial("logit"))
summary(tmp2)
coeftest(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp2$terms))])$start_
tmp2c_se <- sqrt(diag(vcovCL(tmp2,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp2$terms))])$start
tmp2c_p <- pnorm(-abs(summary(tmp2)$coefficients[,1]/tmp2c_se))*2

tmpdt2 <-
  rbind(c(mbG2$coefficients[2],mbG2c_se[2],
          coefci(mbG2, vcov.=vcovCL(mbG2,cluster=na.omit(dRpanel[,c("start_id",all.vars(mbG2$terms))]
          coefci(mbG2, vcov.=vcovCL(mbG2,cluster=na.omit(dRpanel[,c("start_id",all.vars(mbG2$terms))]
        c(tmp1$coefficients[2],tmp1c_se[2],
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp1$terms))]
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp1$terms))]
        c(tmp2$coefficients[2],tmp2c_se[2],
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp2$terms))]
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp2$terms))]

tmpdt2 <- as.data.frame(tmpdt2)
colnames(tmpdt2) <- c("cf","se","lci","uci","lci90","uci90")
tmpdt2$frame <- "Biased history"
tmpdt2$endorsement <- c("Experts","Emperor","Liberal\nemperor")

## Combine Data
mbG1dt <- rbind(tmpdt1,tmpdt2)
mbG1dt$frame <- factor(mbG1dt$frame, levels = c("Hate speech","Biased history"))
mbG1dt$endorsement <- factor(mbG1dt$endorsement, levels = unique(mbG1dt$endorsement))

write.csv(mbG1dt, row.names = F,
          file = paste0("../out/effect_endorsement_logit_base_v2","_",postfixset,".csv"))

## logit (Extended) ##

tmp1 <- glm(limitexp > 1 ~
              after + Aword_expert + Aword_emperor_liberal +
              Bword_expert + Bword_emperor_liberal +
              fem + age + inccat + educat + employed + knall + csup + eqview + hmview,
            data = dLpanel, family=binomial("logit"))
summary(tmp1)
coeftest(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp1$terms))])$start_
tmp1c_se <- sqrt(diag(vcovCL(tmp1,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp1$terms))])$start
```

```
tmp1c_p <- pnorm(-abs(summary(tmp1)$coefficients[,1]/tmp1c_se))*2
tmp2 <- glm(limitexp ~
              after + Aword_emperor + Aword_expert +
              Bword_emperor + Bword_expert +
              fem + age + inccat + educat + employed + knall + csup + eqview + hmview,
            data = dLpanel)
summary(tmp2)
coeftest(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp2$terms))])$start_
tmp2c_se <- sqrt(diag(vcovCL(tmp2,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp2$terms))])$start_
tmp2c_p <- pnorm(-abs(summary(tmp2)$coefficients[,1]/tmp2c_se))*2

tmpdt1 <-
  rbind(c(mG1$coefficients[2],mG1c_se[2],
          coefci(mG1, vcov.=vcovCL(mG1,cluster=na.omit(dLpanel[,c("start_id",all.vars(mG1$terms))])$s
          coefci(mG1, vcov.=vcovCL(mG1,cluster=na.omit(dLpanel[,c("start_id",all.vars(mG1$terms))])$s
        c(tmp1$coefficients[2],tmp1c_se[2],
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp1$terms))])
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp1$terms))])
        c(tmp2$coefficients[2],tmp2c_se[2],
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp2$terms))])
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp2$terms))])

tmpdt1 <- as.data.frame(tmpdt1)
colnames(tmpdt1) <- c("cf","se","lci","uci","lci90","uci90")
tmpdt1$frame <- "Hate speech"
tmpdt1$endorsement <- c("Experts","Emperor","Liberal\nemperor")

tmp1 <- glm(limitexp > 1 ~
              after + Aword_expert + Aword_emperor_liberal +
              Bword_expert + Bword_emperor_liberal +
              fem + age + inccat + educat + employed + knall + csup + eqview + hmview,
            data = dRpanel, family=binomial("logit"))
summary(tmp1)
coeftest(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp1$terms))])$start_
tmp1c_se <- sqrt(diag(vcovCL(tmp1,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp1$terms))])$start_
tmp1c_p <- pnorm(-abs(summary(tmp1)$coefficients[,1]/tmp1c_se))*2
tmp2 <- glm(limitexp ~
              after + Aword_emperor + Aword_expert +
              Bword_emperor + Bword_expert +
              fem + age + inccat + educat + employed + knall + csup + eqview + hmview,
            data = dRpanel)
summary(tmp2)
coeftest(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp2$terms))])$start_
tmp2c_se <- sqrt(diag(vcovCL(tmp2,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp2$terms))])$start_
tmp2c_p <- pnorm(-abs(summary(tmp2)$coefficients[,1]/tmp2c_se))*2

tmpdt2 <-
  rbind(c(mG2$coefficients[2],mG2c_se[2],
          coefci(mG2, vcov.=vcovCL(mG2,cluster=na.omit(dRpanel[,c("start_id",all.vars(mG2$terms))])$s
          coefci(mG2, vcov.=vcovCL(mG2,cluster=na.omit(dRpanel[,c("start_id",all.vars(mG2$terms))])$s
        c(tmp1$coefficients[2],tmp1c_se[2],
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp1$terms))])
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp1$terms))])
```

```
        c(tmp2$coefficients[2],tmp2c_se[2],
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp2$terms))]
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp2$terms))]

tmpdt2 <- as.data.frame(tmpdt2)
colnames(tmpdt2) <- c("cf","se","lci","uci","lci90","uci90")
tmpdt2$frame <- "Biased history"
tmpdt2$endorsement <- c("Experts","Emperor","Liberal\nemperor")

## Combine Data
mG1dt <- rbind(tmpdt1,tmpdt2)
mG1dt$frame <- factor(mG1dt$frame, levels = c("Hate speech","Biased history"))
mG1dt$endorsement <- factor(mG1dt$endorsement, levels = unique(mG1dt$endorsement))

write.csv(mG1dt, row.names = F,
          file = paste0("../out/effect_endorsement_logit_ext_v2","_",postfixset,".csv"))

## Ordinal logit (Baseline) ##

tmp1 <- polr(as.ordered(limitexp) ~
               after + Aword_expert + Aword_emperor_liberal +
               Bword_emperor + Bword_emperor_liberal,
             data = dLpanel, Hess = TRUE)
summary(tmp1)
coeftest(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp1$terms))])$start_
tmp1c_se <- sqrt(diag(vcovCL(tmp1,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp1$terms))])$start_
tmp1c_p <- pnorm(-abs(summary(tmp1)$coefficients[,1]/tmp1c_se))*2
tmp2 <- polr(as.ordered(limitexp) ~
               after + Aword_emperor + Aword_expert +
               Bword_emperor + Bword_emperor_liberal,
             data = dLpanel, Hess = TRUE)
summary(tmp2)
coeftest(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp2$terms))])$start_
tmp2c_se <- sqrt(diag(vcovCL(tmp2,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp2$terms))])$start_
tmp2c_p <- pnorm(-abs(summary(tmp2)$coefficients[,1]/tmp2c_se))*2

tmpdt1 <-
  rbind(c(mbD1$coefficients[1],mbD1c_se[1],
          coefci(mbD1, vcov.=vcovCL(mbD1,cluster=na.omit(dLpanel[,c("start_id",all.vars(mbD1$terms))]
          coefci(mbD1, vcov.=vcovCL(mbD1,cluster=na.omit(dLpanel[,c("start_id",all.vars(mbD1$terms))]
        c(tmp1$coefficients[1],tmp1c_se[1],
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp1$terms))]
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp1$terms))]
        c(tmp2$coefficients[1],tmp2c_se[1],
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp2$terms))]
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp2$terms))]

tmpdt1 <- as.data.frame(tmpdt1)
colnames(tmpdt1) <- c("cf","se","lci","uci","lci90","uci90")
tmpdt1$frame <- "Hate speech"
tmpdt1$endorsement <- c("Experts","Emperor","Liberal\nemperor")

tmp1 <- polr(as.ordered(limitexp) ~
```

```
               after + Aword_expert + Aword_emperor_liberal +
               Bword_emperor + Bword_emperor_liberal,
             data = dRpanel, Hess = TRUE)
summary(tmp1)
coeftest(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp1$terms))])$start_
tmp1c_se <- sqrt(diag(vcovCL(tmp1,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp1$terms))])$start_
tmp1c_p <- pnorm(-abs(summary(tmp1)$coefficients[,1]/tmp1c_se))*2
tmp2 <- polr(as.ordered(limitexp) ~
               after + Aword_emperor + Aword_expert +
               Bword_emperor + Bword_emperor_liberal,
             data = dRpanel, Hess = TRUE)
summary(tmp2)
coeftest(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp2$terms))])$start_
tmp2c_se <- sqrt(diag(vcovCL(tmp2,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp2$terms))])$start_
tmp2c_p <- pnorm(-abs(summary(tmp2)$coefficients[,1]/tmp2c_se))*2

tmpdt2 <-
  rbind(c(mbD2$coefficients[1],mbD2c_se[1],
          coefci(mbD2, vcov.=vcovCL(mbD2,cluster=na.omit(dRpanel[,c("start_id",all.vars(mbD2$terms))]
          coefci(mbD2, vcov.=vcovCL(mbD2,cluster=na.omit(dRpanel[,c("start_id",all.vars(mbD2$terms))]
        c(tmp1$coefficients[1],tmp1c_se[1],
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp1$terms))]
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp1$terms))]
        c(tmp2$coefficients[1],tmp2c_se[1],
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp2$terms))]
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp2$terms))]

tmpdt2 <- as.data.frame(tmpdt2)
colnames(tmpdt2) <- c("cf","se","lci","uci","lci90","uci90")
tmpdt2$frame <- "Biased history"
tmpdt2$endorsement <- c("Experts","Emperor","Liberal\nemperor")

## Combine Data
mbD1dt <- rbind(tmpdt1,tmpdt2)
mbD1dt$frame <- factor(mbD1dt$frame, levels = c("Hate speech","Biased history"))
mbD1dt$endorsement <- factor(mbD1dt$endorsement, levels = unique(mbD1dt$endorsement))

write.csv(mbD1dt, row.names = F,
          file = paste0("../out/effect_endorsement_ol_base_v2","_",postfixset,".csv"))

## Ordinal logit (Extended) ##

tmp1 <- polr(as.ordered(limitexp) ~
               after + Aword_expert + Aword_emperor_liberal +
               Bword_emperor + Bword_emperor_liberal +
               fem + age + inccat + educat + employed + knall + csup + eqview + hmview,
             data = dLpanel, Hess = TRUE)
summary(tmp1)
coeftest(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp1$terms))])$start_
tmp1c_se <- sqrt(diag(vcovCL(tmp1,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp1$terms))])$start_
tmp1c_p <- pnorm(-abs(summary(tmp1)$coefficients[,1]/tmp1c_se))*2
tmp2 <- polr(as.ordered(limitexp) ~
               after + Aword_emperor + Aword_expert +
```

```
               Bword_emperor + Bword_emperor_liberal +
               fem + age + inccat + educat + employed + knall + csup + eqview + hmview,
             data = dLpanel, Hess = TRUE)
summary(tmp2)
coeftest(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp2$terms))])$start_
tmp2c_se <- sqrt(diag(vcovCL(tmp2,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp2$terms))])$start_
tmp2c_p <- pnorm(-abs(summary(tmp2)$coefficients[,1]/tmp2c_se))*2

tmpdt1 <-
  rbind(c(mD1$coefficients[1],mD1c_se[1],
          coefci(mD1, vcov.=vcovCL(mD1,cluster=na.omit(dLpanel[,c("start_id",all.vars(mD1$terms))])$s
          coefci(mD1, vcov.=vcovCL(mD1,cluster=na.omit(dLpanel[,c("start_id",all.vars(mD1$terms))])$s
        c(tmp1$coefficients[1],tmp1c_se[1],
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp1$terms))])
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp1$terms))])
        c(tmp2$coefficients[1],tmp2c_se[1],
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp2$terms))])
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(dLpanel[,c("start_id",all.vars(tmp2$terms))])

tmpdt1 <- as.data.frame(tmpdt1)
colnames(tmpdt1) <- c("cf","se","lci","uci","lci90","uci90")
tmpdt1$frame <- "Hate speech"
tmpdt1$endorsement <- c("Experts","Emperor","Liberal\nemperor")

tmp1 <- polr(as.ordered(limitexp) ~
               after + Aword_expert + Aword_emperor_liberal +
               Bword_emperor + Bword_emperor_liberal +
               fem + age + inccat + educat + employed + knall + csup + eqview + hmview,
             data = dRpanel, Hess = TRUE)
summary(tmp1)
coeftest(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp1$terms))])$start_
tmp1c_se <- sqrt(diag(vcovCL(tmp1,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp1$terms))])$start_
tmp1c_p <- pnorm(-abs(summary(tmp1)$coefficients[,1]/tmp1c_se))*2
tmp2 <- polr(as.ordered(limitexp) ~
               after + Aword_emperor + Aword_expert +
               Bword_emperor + Bword_emperor_liberal +
               fem + age + inccat + educat + employed + knall + csup + eqview + hmview,
             data = dRpanel, Hess = TRUE)
summary(tmp2)
coeftest(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp2$terms))])$start_
tmp2c_se <- sqrt(diag(vcovCL(tmp2,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp2$terms))])$start_
tmp2c_p <- pnorm(-abs(summary(tmp2)$coefficients[,1]/tmp2c_se))*2

tmpdt2 <-
  rbind(c(mD2$coefficients[1],mD2c_se[1],
          coefci(mD2, vcov.=vcovCL(mD2,cluster=na.omit(dRpanel[,c("start_id",all.vars(mD2$terms))])$s
          coefci(mD2, vcov.=vcovCL(mD2,cluster=na.omit(dRpanel[,c("start_id",all.vars(mD2$terms))])$s
        c(tmp1$coefficients[1],tmp1c_se[1],
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp1$terms))])
          coefci(tmp1, vcov.=vcovCL(tmp1,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp1$terms))])
        c(tmp2$coefficients[1],tmp2c_se[1],
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp2$terms))])
          coefci(tmp2, vcov.=vcovCL(tmp2,cluster=na.omit(dRpanel[,c("start_id",all.vars(tmp2$terms))])
```

```
  tmpdt2 <- as.data.frame(tmpdt2)
  colnames(tmpdt2) <- c("cf","se","lci","uci","lci90","uci90")
  tmpdt2$frame <- "Biased history"
  tmpdt2$endorsement <- c("Experts","Emperor","Liberal\nemperor")

  ## Combine Data
  mD1dt <- rbind(tmpdt1,tmpdt2)
  mD1dt$frame <- factor(mD1dt$frame, levels = c("Hate speech","Biased history"))
  mD1dt$endorsement <- factor(mD1dt$endorsement, levels = unique(mD1dt$endorsement))

  write.csv(mD1dt, row.names = F,
            file = paste0("../out/effect_endorsement_ol_ext_v2","_",postfixset,".csv"))

  return(NULL)

}

## Self-reported
dLpaneltmp <- subset(dpanel, frame_left==1 & ide_self_mod==0)
dRpaneltmp <- subset(dpanel, frame_right==1 & ide_self_mod==0)
tmpfunc(dLpaneltmp,dRpaneltmp,"ide_self_mod0")
```

```
## The table was written to the file '../out/resout_endorsement_lm_base_v2_ide_self_mod0.tex'.

## The table was written to the file '../out/resout_endorsement_lm_ext_v2_ide_self_mod0.tex'.

## The table was written to the file '../out/resout_endorsement_logit_base_v2_ide_self_mod0.tex'.

## The table was written to the file '../out/resout_endorsement_logit_ext_v2_ide_self_mod0.tex'.

## The table was written to the file '../out/resout_endorsement_ol_base_v2_ide_self_mod0.tex'.

## The table was written to the file '../out/resout_endorsement_ol_ext_v2_ide_self_mod0.tex'.

## NULL
```

```
dLpaneltmp <- subset(dpanel, frame_left==1 & ide_self_mod==1)
dRpaneltmp <- subset(dpanel, frame_right==1 & ide_self_mod==1)
tmpfunc(dLpaneltmp,dRpaneltmp,"ide_self_mod1")
```

```
## The table was written to the file '../out/resout_endorsement_lm_base_v2_ide_self_mod1.tex'.

## The table was written to the file '../out/resout_endorsement_lm_ext_v2_ide_self_mod1.tex'.

## The table was written to the file '../out/resout_endorsement_logit_base_v2_ide_self_mod1.tex'.

## The table was written to the file '../out/resout_endorsement_logit_ext_v2_ide_self_mod1.tex'.

## The table was written to the file '../out/resout_endorsement_ol_base_v2_ide_self_mod1.tex'.

## The table was written to the file '../out/resout_endorsement_ol_ext_v2_ide_self_mod1.tex'.

## NULL
```

```
## National Security Ideology
dLpaneltmp <- subset(dpanel, frame_left==1 & ide_iss_1_mod==0)
dRpaneltmp <- subset(dpanel, frame_right==1 & ide_iss_1_mod==0)
tmpfunc(dLpaneltmp,dRpaneltmp,"ide_iss_1_mod0")
```

```
## The table was written to the file '../out/resout_endorsement_lm_base_v2_ide_iss_1_mod0.tex'.
```

```
## The table was written to the file '../out/resout_endorsement_lm_ext_v2_ide_iss_1_mod0.tex'.

## The table was written to the file '../out/resout_endorsement_logit_base_v2_ide_iss_1_mod0.tex'.

## The table was written to the file '../out/resout_endorsement_logit_ext_v2_ide_iss_1_mod0.tex'.

## The table was written to the file '../out/resout_endorsement_ol_base_v2_ide_iss_1_mod0.tex'.

## The table was written to the file '../out/resout_endorsement_ol_ext_v2_ide_iss_1_mod0.tex'.

## NULL
```

```
dLpaneltmp <- subset(dpanel, frame_left==1 & ide_iss_1_mod==1)
dRpaneltmp <- subset(dpanel, frame_right==1 & ide_iss_1_mod==1)
tmpfunc(dLpaneltmp,dRpaneltmp,"ide_iss_1_mod1")
```

```
## The table was written to the file '../out/resout_endorsement_lm_base_v2_ide_iss_1_mod1.tex'.

## The table was written to the file '../out/resout_endorsement_lm_ext_v2_ide_iss_1_mod1.tex'.

## The table was written to the file '../out/resout_endorsement_logit_base_v2_ide_iss_1_mod1.tex'.

## The table was written to the file '../out/resout_endorsement_logit_ext_v2_ide_iss_1_mod1.tex'.

## The table was written to the file '../out/resout_endorsement_ol_base_v2_ide_iss_1_mod1.tex'.

## The table was written to the file '../out/resout_endorsement_ol_ext_v2_ide_iss_1_mod1.tex'.

## NULL
```

```
## Equality Ideology
dLpaneltmp <- subset(dpanel, frame_left==1 & ide_iss_2_mod==0)
dRpaneltmp <- subset(dpanel, frame_right==1 & ide_iss_2_mod==0)
tmpfunc(dLpaneltmp,dRpaneltmp,"ide_iss_2_mod0")
```

```
## The table was written to the file '../out/resout_endorsement_lm_base_v2_ide_iss_2_mod0.tex'.

## The table was written to the file '../out/resout_endorsement_lm_ext_v2_ide_iss_2_mod0.tex'.

## The table was written to the file '../out/resout_endorsement_logit_base_v2_ide_iss_2_mod0.tex'.

## The table was written to the file '../out/resout_endorsement_logit_ext_v2_ide_iss_2_mod0.tex'.

## The table was written to the file '../out/resout_endorsement_ol_base_v2_ide_iss_2_mod0.tex'.

## The table was written to the file '../out/resout_endorsement_ol_ext_v2_ide_iss_2_mod0.tex'.

## NULL
```

```
dLpaneltmp <- subset(dpanel, frame_left==1 & ide_iss_2_mod==1)
dRpaneltmp <- subset(dpanel, frame_right==1 & ide_iss_2_mod==1)
tmpfunc(dLpaneltmp,dRpaneltmp,"ide_iss_2_mod1")
```

```
## The table was written to the file '../out/resout_endorsement_lm_base_v2_ide_iss_2_mod1.tex'.

## The table was written to the file '../out/resout_endorsement_lm_ext_v2_ide_iss_2_mod1.tex'.

## The table was written to the file '../out/resout_endorsement_logit_base_v2_ide_iss_2_mod1.tex'.

## The table was written to the file '../out/resout_endorsement_logit_ext_v2_ide_iss_2_mod1.tex'.

## The table was written to the file '../out/resout_endorsement_ol_base_v2_ide_iss_2_mod1.tex'.

## The table was written to the file '../out/resout_endorsement_ol_ext_v2_ide_iss_2_mod1.tex'.

## NULL
```

```
## Party Ideology
dLpaneltmp <- subset(dpanel, frame_left==1 & ide_psup_mod==0)
dRpaneltmp <- subset(dpanel, frame_right==1 & ide_psup_mod==0)
tmpfunc(dLpaneltmp,dRpaneltmp,"ide_psup_mod0")
```

```
## The table was written to the file '../out/resout_endorsement_lm_base_v2_ide_psup_mod0.tex'.

## The table was written to the file '../out/resout_endorsement_lm_ext_v2_ide_psup_mod0.tex'.

## The table was written to the file '../out/resout_endorsement_logit_base_v2_ide_psup_mod0.tex'.

## The table was written to the file '../out/resout_endorsement_logit_ext_v2_ide_psup_mod0.tex'.

## The table was written to the file '../out/resout_endorsement_ol_base_v2_ide_psup_mod0.tex'.

## The table was written to the file '../out/resout_endorsement_ol_ext_v2_ide_psup_mod0.tex'.

## NULL
```

```
dLpaneltmp <- subset(dpanel, frame_left==1 & ide_psup_mod==1)
dRpaneltmp <- subset(dpanel, frame_right==1 & ide_psup_mod==1)
tmpfunc(dLpaneltmp,dRpaneltmp,"ide_psup_mod1")
```

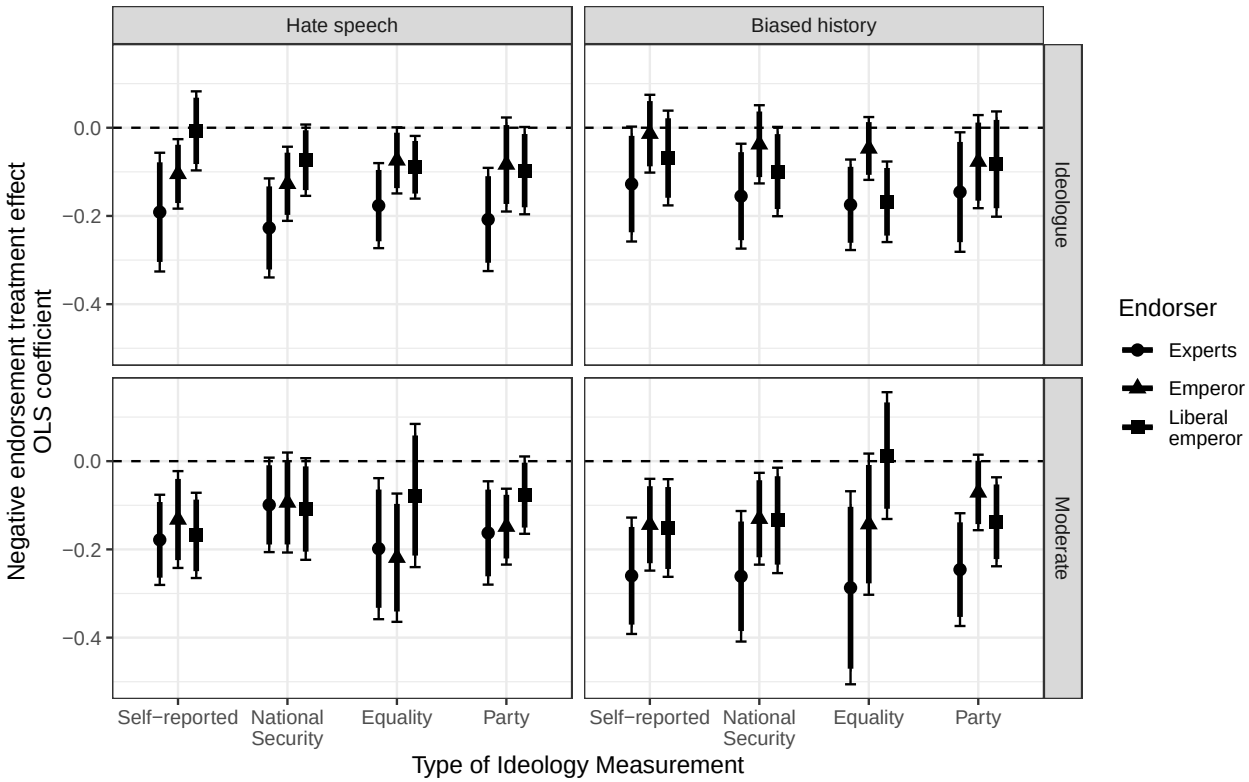
```
## The table was written to the file '../out/resout_endorsement_lm_base_v2_ide_psup_mod1.tex'.

## The table was written to the file '../out/resout_endorsement_lm_ext_v2_ide_psup_mod1.tex'.

## The table was written to the file '../out/resout_endorsement_logit_base_v2_ide_psup_mod1.tex'.

## The table was written to the file '../out/resout_endorsement_logit_ext_v2_ide_psup_mod1.tex'.

## The table was written to the file '../out/resout_endorsement_ol_base_v2_ide_psup_mod1.tex'.

## The table was written to the file '../out/resout_endorsement_ol_ext_v2_ide_psup_mod1.tex'.

## NULL
```

Linear Model (Baseline) (Figure 3)

```
##############
## lm_base ##
##############

dt_selfI <- read.csv("../out/effect_endorsement_lm_base_v2_ide_self_mod0.csv")
dt_selfI$ide <- "Self-reported"
dt_selfI$val <- "Ideologue"
dt_selfM <- read.csv("../out/effect_endorsement_lm_base_v2_ide_self_mod1.csv")
dt_selfM$ide <- "Self-reported"
dt_selfM$val <- "Moderate"
dt_iss_1I <- read.csv("../out/effect_endorsement_lm_base_v2_ide_iss_1_mod0.csv")
dt_iss_1I$ide <- "National\nSecurity"
dt_iss_1I$val <- "Ideologue"
dt_iss_1M <- read.csv("../out/effect_endorsement_lm_base_v2_ide_iss_1_mod1.csv")
dt_iss_1M$ide <- "National\nSecurity"
dt_iss_1M$val <- "Moderate"
dt_iss_2I <- read.csv("../out/effect_endorsement_lm_base_v2_ide_iss_2_mod0.csv")
dt_iss_2I$ide <- "Equality"
dt_iss_2I$val <- "Ideologue"
dt_iss_2M <- read.csv("../out/effect_endorsement_lm_base_v2_ide_iss_2_mod1.csv")
dt_iss_2M$ide <- "Equality"
```

```r
dt_iss_2M$val <- "Moderate"
dt_psupI <- read.csv("../out/effect_endorsement_lm_base_v2_ide_psup_mod0.csv")
dt_psupI$ide <- "Party"
dt_psupI$val <- "Ideologue"
dt_psupM <- read.csv("../out/effect_endorsement_lm_base_v2_ide_psup_mod1.csv")
dt_psupM$ide <- "Party"
dt_psupM$val <- "Moderate"

dtmod <- rbind(dt_selfI,dt_selfM,
               dt_iss_1I,dt_iss_1M,
               dt_iss_2I,dt_iss_2M,
               dt_psupI,dt_psupM)
dtmod$frame <- factor(dtmod$frame, levels=unique(dtmod$frame))
dtmod$endorsement <- factor(dtmod$endorsement,levels=unique(dtmod$endorsement))
dtmod$ide <- factor(dtmod$ide, levels=unique(dtmod$ide))
dtmod$val <- factor(dtmod$val, levels=unique(dtmod$val))

p <- ggplot(dtmod, aes(x=ide,y=cf,
                       shape=endorsement,color=endorsement)) +
  geom_hline(aes(yintercept=0), linetype=2) +
  geom_errorbar(aes(ymin=lci,ymax=uci), width=0.3, position=position_dodge(width=0.5)) +
  geom_errorbar(aes(ymin=lci90,ymax=uci90), width=0, size=1.2, position=position_dodge(width=0.5)) +
  geom_point(size=2.5, position=position_dodge(width=0.5)) +
  facet_grid(val~frame) +
  scale_color_manual(name="Endorser", values=rep("black",3)) +
  scale_shape_discrete(name="Endorser") +
  labs(x="Type of Ideology Measurement",
       y="Negative endorsement treatment effect\nOLS coefficient") +
  theme_bw()
```

```r
p
```



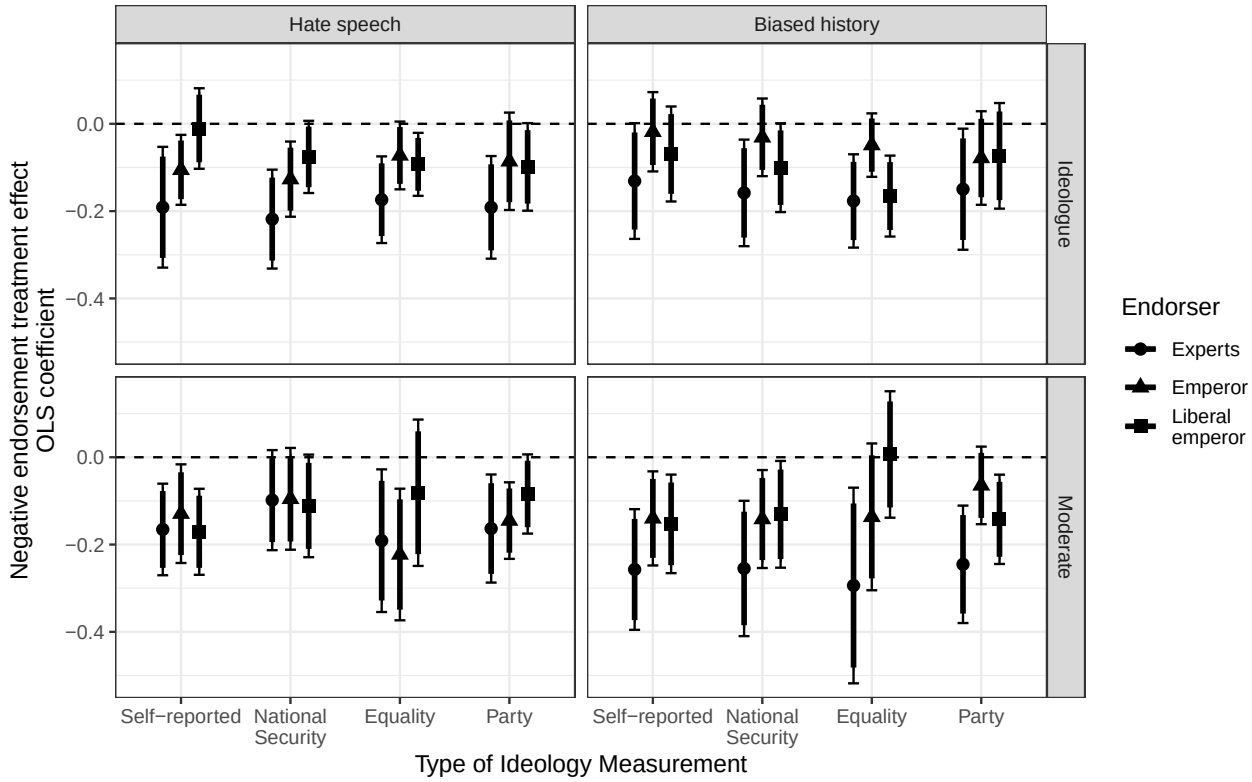

```
ggsave(paste0("../out/effect_endorsement_lm_base_v2_mod.pdf"), width=8, height=5)
ggsave(paste0("../out/effect_endorsement_lm_base_v2_mod.png"), width=8, height=5)
```

Linear Model (Extended) (Figure H.1)

```
############
## lm_ext ##
############

dt_selfI <- read.csv("../out/effect_endorsement_lm_ext_v2_ide_self_mod0.csv")
dt_selfI$ide <- "Self-reported"
dt_selfI$val <- "Ideologue"
dt_selfM <- read.csv("../out/effect_endorsement_lm_ext_v2_ide_self_mod1.csv")
dt_selfM$ide <- "Self-reported"
dt_selfM$val <- "Moderate"
dt_iss_1I <- read.csv("../out/effect_endorsement_lm_ext_v2_ide_iss_1_mod0.csv")
dt_iss_1I$ide <- "National\nSecurity"
dt_iss_1I$val <- "Ideologue"
dt_iss_1M <- read.csv("../out/effect_endorsement_lm_ext_v2_ide_iss_1_mod1.csv")
dt_iss_1M$ide <- "National\nSecurity"
dt_iss_1M$val <- "Moderate"
dt_iss_2I <- read.csv("../out/effect_endorsement_lm_ext_v2_ide_iss_2_mod0.csv")
dt_iss_2I$ide <- "Equality"
dt_iss_2I$val <- "Ideologue"
dt_iss_2M <- read.csv("../out/effect_endorsement_lm_ext_v2_ide_iss_2_mod1.csv")
dt_iss_2M$ide <- "Equality"
dt_iss_2M$val <- "Moderate"
dt_psupI <- read.csv("../out/effect_endorsement_lm_ext_v2_ide_psup_mod0.csv")
```

```
dt_psupI$ide <- "Party"
dt_psupI$val <- "Ideologue"
dt_psupM <- read.csv("../out/effect_endorsement_lm_ext_v2_ide_psup_mod1.csv")
dt_psupM$ide <- "Party"
dt_psupM$val <- "Moderate"

dtmod <- rbind(dt_selfI,dt_selfM,
               dt_iss_1I,dt_iss_1M,
               dt_iss_2I,dt_iss_2M,
               dt_psupI,dt_psupM)
dtmod$frame <- factor(dtmod$frame, levels=unique(dtmod$frame))
dtmod$endorsement <- factor(dtmod$endorsement,levels=unique(dtmod$endorsement))
dtmod$ide <- factor(dtmod$ide, levels=unique(dtmod$ide))
dtmod$val <- factor(dtmod$val, levels=unique(dtmod$val))

p <- ggplot(dtmod, aes(x=ide,y=cf,
                       shape=endorsement,color=endorsement)) +
  geom_hline(aes(yintercept=0), linetype=2) +
  geom_errorbar(aes(ymin=lci,ymax=uci), width=0.3, position=position_dodge(width=0.5)) +
  geom_errorbar(aes(ymin=lci90,ymax=uci90), width=0, size=1.2, position=position_dodge(width=0.5)) +
  geom_point(size=2.5, position=position_dodge(width=0.5)) +
  facet_grid(val~frame) +
  scale_color_manual(name="Endorser", values=rep("black",3)) +
  scale_shape_discrete(name="Endorser") +
  labs(x="Type of Ideology Measurement",
       y="Negative endorsement treatment effect\nOLS coefficient") +
  theme_bw()
```

```
p
```



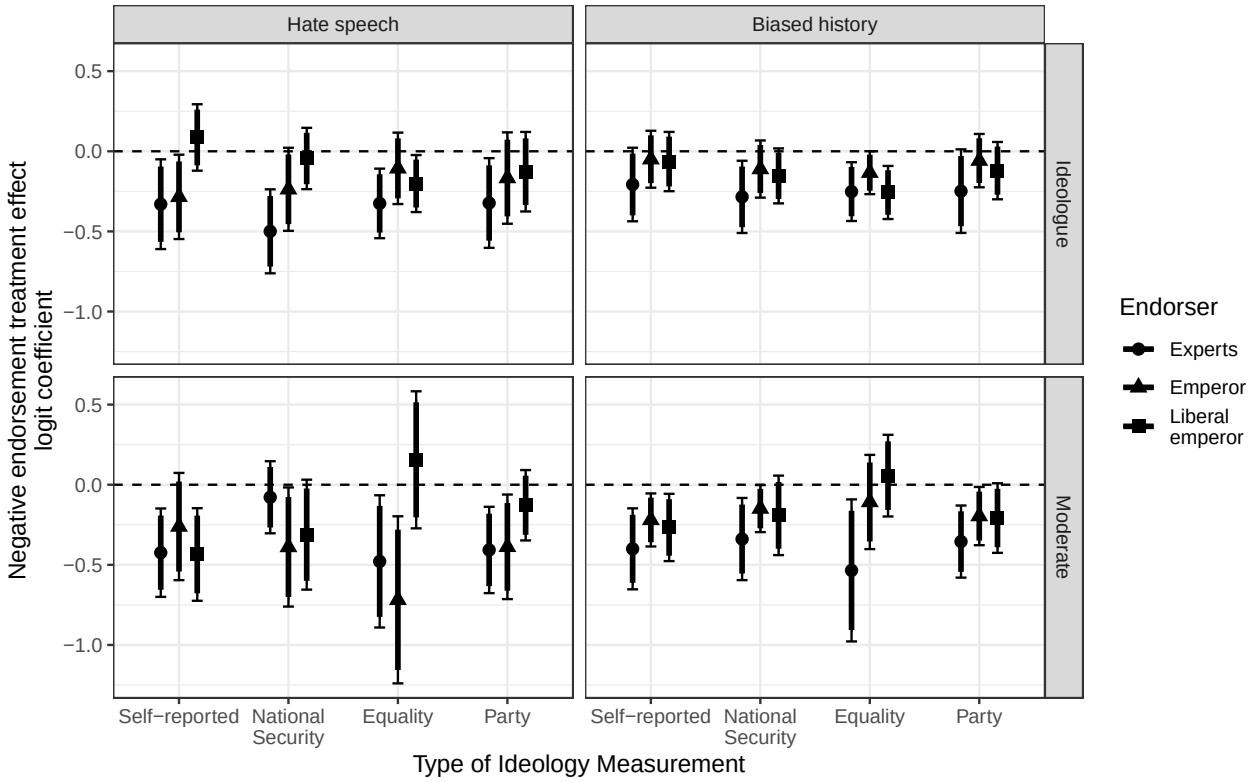
```
ggsave(paste0("../out/effect_endorsement_lm_ext_v2_mod.pdf"), width=8, height=5)
ggsave(paste0("../out/effect_endorsement_lm_ext_v2_mod.png"), width=8, height=5)
```

Logit (Baseline) (Figure H.2)

```
################
## logit_base ##
################

dt_selfI <- read.csv("../out/effect_endorsement_logit_base_v2_ide_self_mod0.csv")
dt_selfI$ide <- "Self-reported"
dt_selfI$val <- "Ideologue"
dt_selfM <- read.csv("../out/effect_endorsement_logit_base_v2_ide_self_mod1.csv")
dt_selfM$ide <- "Self-reported"
dt_selfM$val <- "Moderate"
dt_iss_1I <- read.csv("../out/effect_endorsement_logit_base_v2_ide_iss_1_mod0.csv")
dt_iss_1I$ide <- "National\nSecurity"
dt_iss_1I$val <- "Ideologue"
dt_iss_1M <- read.csv("../out/effect_endorsement_logit_base_v2_ide_iss_1_mod1.csv")
dt_iss_1M$ide <- "National\nSecurity"
dt_iss_1M$val <- "Moderate"
dt_iss_2I <- read.csv("../out/effect_endorsement_logit_base_v2_ide_iss_2_mod0.csv")
dt_iss_2I$ide <- "Equality"
dt_iss_2I$val <- "Ideologue"
dt_iss_2M <- read.csv("../out/effect_endorsement_logit_base_v2_ide_iss_2_mod1.csv")
dt_iss_2M$ide <- "Equality"
dt_iss_2M$val <- "Moderate"
dt_psupI <- read.csv("../out/effect_endorsement_logit_base_v2_ide_psup_mod0.csv")
dt_psupI$ide <- "Party"
dt_psupI$val <- "Ideologue"
dt_psupM <- read.csv("../out/effect_endorsement_logit_base_v2_ide_psup_mod1.csv")
dt_psupM$ide <- "Party"
dt_psupM$val <- "Moderate"

dtmod <- rbind(dt_selfI,dt_selfM,
               dt_iss_1I,dt_iss_1M,
               dt_iss_2I,dt_iss_2M,
               dt_psupI,dt_psupM)
dtmod$frame <- factor(dtmod$frame, levels=unique(dtmod$frame))
dtmod$endorsement <- factor(dtmod$endorsement,levels=unique(dtmod$endorsement))
dtmod$ide <- factor(dtmod$ide, levels=unique(dtmod$ide))
dtmod$val <- factor(dtmod$val, levels=unique(dtmod$val))

p <- ggplot(dtmod, aes(x=ide,y=cf,
                       shape=endorsement,color=endorsement)) +
  geom_hline(aes(yintercept=0), linetype=2) +
  geom_errorbar(aes(ymin=lci,ymax=uci), width=0.3, position=position_dodge(width=0.5)) +
  geom_errorbar(aes(ymin=lci90,ymax=uci90), width=0, size=1.2, position=position_dodge(width=0.5)) +
  geom_point(size=2.5, position=position_dodge(width=0.5)) +
  facet_grid(val~frame) +
  scale_color_manual(name="Endorser", values=rep("black",3)) +
  scale_shape_discrete(name="Endorser") +
  labs(x="Type of Ideology Measurement",
```

```
      y="Negative endorsement treatment effect\nlogit coefficient") +
  theme_bw()
```

```
p
```



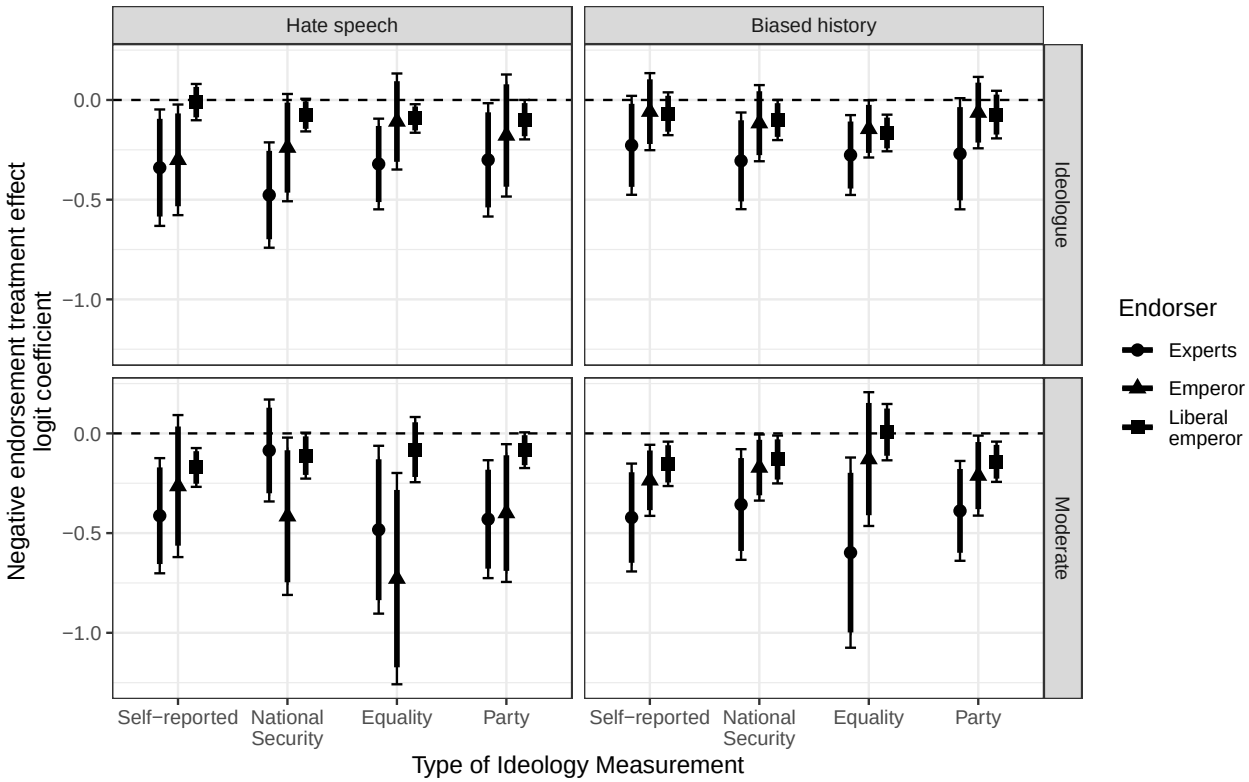

```
ggsave(paste0("../out/effect_endorsement_logit_base_v2_mod.pdf"), width=8, height=5)
ggsave(paste0("../out/effect_endorsement_logit_base_v2_mod.png"), width=8, height=5)
```

Logit (Extended) (Figure H.3)

```
###############
## logit_ext ##
###############

dt_selfI <- read.csv("../out/effect_endorsement_logit_ext_v2_ide_self_mod0.csv")
dt_selfI$ide <- "Self-reported"
dt_selfI$val <- "Ideologue"
dt_selfM <- read.csv("../out/effect_endorsement_logit_ext_v2_ide_self_mod1.csv")
dt_selfM$ide <- "Self-reported"
dt_selfM$val <- "Moderate"
dt_iss_1I <- read.csv("../out/effect_endorsement_logit_ext_v2_ide_iss_1_mod0.csv")
dt_iss_1I$ide <- "National\nSecurity"
dt_iss_1I$val <- "Ideologue"
dt_iss_1M <- read.csv("../out/effect_endorsement_logit_ext_v2_ide_iss_1_mod1.csv")
dt_iss_1M$ide <- "National\nSecurity"
dt_iss_1M$val <- "Moderate"
dt_iss_2I <- read.csv("../out/effect_endorsement_logit_ext_v2_ide_iss_2_mod0.csv")
dt_iss_2I$ide <- "Equality"
dt_iss_2I$val <- "Ideologue"
```

```r
dt_iss_2M <- read.csv("../out/effect_endorsement_logit_ext_v2_ide_iss_2_mod1.csv")
dt_iss_2M$ide <- "Equality"
dt_iss_2M$val <- "Moderate"
dt_psupI <- read.csv("../out/effect_endorsement_logit_ext_v2_ide_psup_mod0.csv")
dt_psupI$ide <- "Party"
dt_psupI$val <- "Ideologue"
dt_psupM <- read.csv("../out/effect_endorsement_logit_ext_v2_ide_psup_mod1.csv")
dt_psupM$ide <- "Party"
dt_psupM$val <- "Moderate"

dtmod <- rbind(dt_selfI,dt_selfM,
               dt_iss_1I,dt_iss_1M,
               dt_iss_2I,dt_iss_2M,
               dt_psupI,dt_psupM)
dtmod$frame <- factor(dtmod$frame, levels=unique(dtmod$frame))
dtmod$endorsement <- factor(dtmod$endorsement,levels=unique(dtmod$endorsement))
dtmod$ide <- factor(dtmod$ide, levels=unique(dtmod$ide))
dtmod$val <- factor(dtmod$val, levels=unique(dtmod$val))

p <- ggplot(dtmod, aes(x=ide,y=cf,
                       shape=endorsement,color=endorsement)) +
  geom_hline(aes(yintercept=0), linetype=2) +
  geom_errorbar(aes(ymin=lci,ymax=uci), width=0.3, position=position_dodge(width=0.5)) +
  geom_errorbar(aes(ymin=lci90,ymax=uci90), width=0, size=1.2, position=position_dodge(width=0.5)) +
  geom_point(size=2.5, position=position_dodge(width=0.5)) +
  facet_grid(val~frame) +
  scale_color_manual(name="Endorser", values=rep("black",3)) +
  scale_shape_discrete(name="Endorser") +
  labs(x="Type of Ideology Measurement",
       y="Negative endorsement treatment effect\nlogit coefficient") +
  theme_bw()
```

```r
p
```



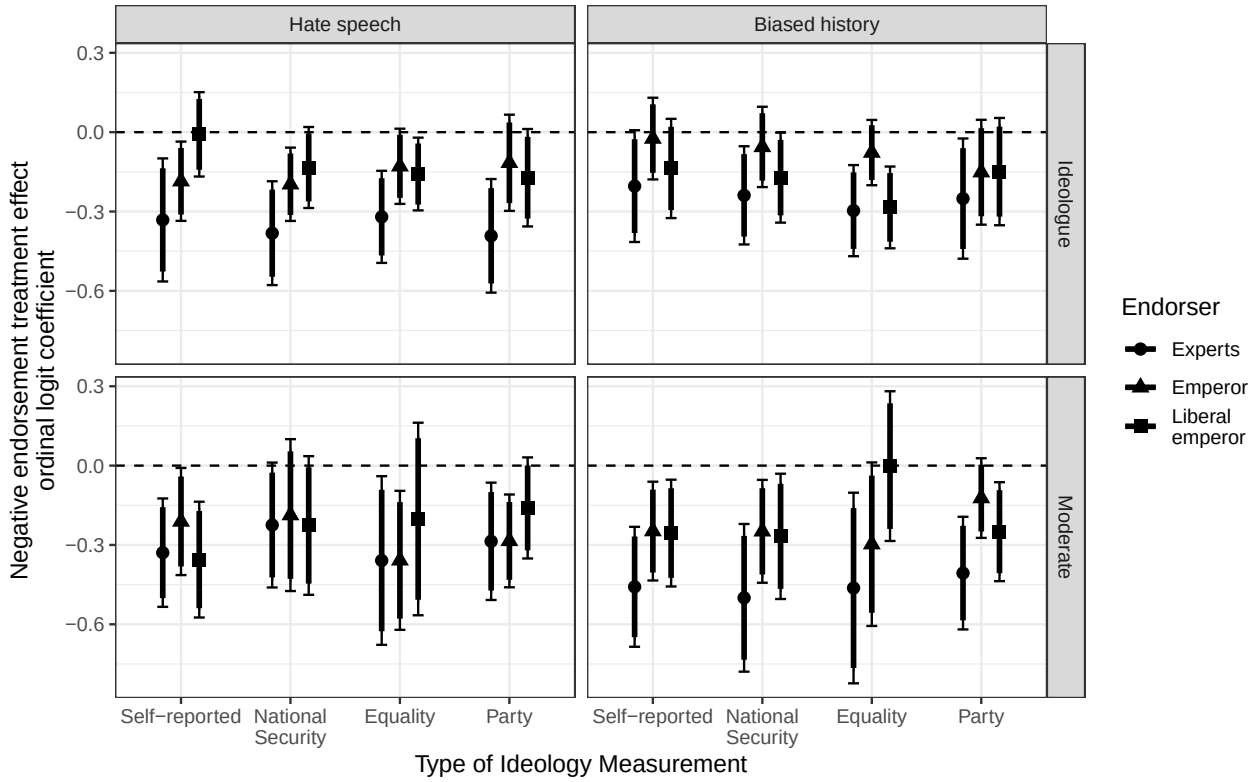

```
ggsave(paste0("../out/effect_endorsement_logit_ext_v2_mod.pdf"), width=8, height=5)
ggsave(paste0("../out/effect_endorsement_logit_ext_v2_mod.png"), width=8, height=5)
```

Ordinal Logit (Baseline) (Figure H.4)

```
#############
## ol_base ##
#############

dt_selfI <- read.csv("../out/effect_endorsement_ol_base_v2_ide_self_mod0.csv")
dt_selfI$ide <- "Self-reported"
dt_selfI$val <- "Ideologue"
dt_selfM <- read.csv("../out/effect_endorsement_ol_base_v2_ide_self_mod1.csv")
dt_selfM$ide <- "Self-reported"
dt_selfM$val <- "Moderate"
dt_iss_1I <- read.csv("../out/effect_endorsement_ol_base_v2_ide_iss_1_mod0.csv")
dt_iss_1I$ide <- "National\nSecurity"
dt_iss_1I$val <- "Ideologue"
dt_iss_1M <- read.csv("../out/effect_endorsement_ol_base_v2_ide_iss_1_mod1.csv")
dt_iss_1M$ide <- "National\nSecurity"
dt_iss_1M$val <- "Moderate"
dt_iss_2I <- read.csv("../out/effect_endorsement_ol_base_v2_ide_iss_2_mod0.csv")
dt_iss_2I$ide <- "Equality"
dt_iss_2I$val <- "Ideologue"
dt_iss_2M <- read.csv("../out/effect_endorsement_ol_base_v2_ide_iss_2_mod1.csv")
dt_iss_2M$ide <- "Equality"
dt_iss_2M$val <- "Moderate"
dt_psupI <- read.csv("../out/effect_endorsement_ol_base_v2_ide_psup_mod0.csv")
```

```
dt_psupI$ide <- "Party"
dt_psupI$val <- "Ideologue"
dt_psupM <- read.csv("../out/effect_endorsement_ol_base_v2_ide_psup_mod1.csv")
dt_psupM$ide <- "Party"
dt_psupM$val <- "Moderate"

dtmod <- rbind(dt_selfI,dt_selfM,
               dt_iss_1I,dt_iss_1M,
               dt_iss_2I,dt_iss_2M,
               dt_psupI,dt_psupM)
dtmod$frame <- factor(dtmod$frame, levels=unique(dtmod$frame))
dtmod$endorsement <- factor(dtmod$endorsement,levels=unique(dtmod$endorsement))
dtmod$ide <- factor(dtmod$ide, levels=unique(dtmod$ide))
dtmod$val <- factor(dtmod$val, levels=unique(dtmod$val))

p <- ggplot(dtmod, aes(x=ide,y=cf,
                       shape=endorsement,color=endorsement)) +
  geom_hline(aes(yintercept=0), linetype=2) +
  geom_errorbar(aes(ymin=lci,ymax=uci), width=0.3, position=position_dodge(width=0.5)) +
  geom_errorbar(aes(ymin=lci90,ymax=uci90), width=0, size=1.2, position=position_dodge(width=0.5)) +
  geom_point(size=2.5, position=position_dodge(width=0.5)) +
  facet_grid(val~frame) +
  scale_color_manual(name="Endorser", values=rep("black",3)) +
  scale_shape_discrete(name="Endorser") +
  labs(x="Type of Ideology Measurement",
       y="Negative endorsement treatment effect\nordinal logit coefficient") +
  theme_bw()
```

```
p
```



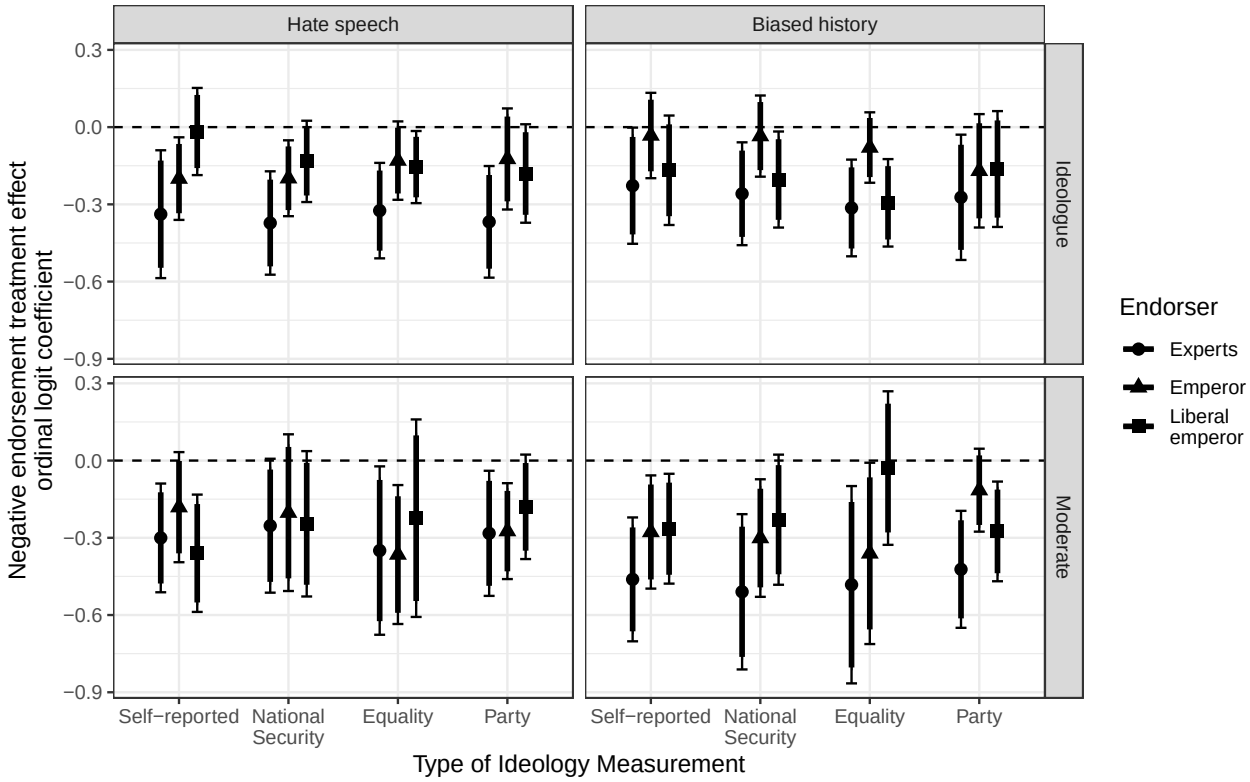
```
ggsave(paste0("../out/effect_endorsement_ol_base_v2_mod.pdf"), width=8, height=5)
ggsave(paste0("../out/effect_endorsement_ol_base_v2_mod.png"), width=8, height=5)
```

Ordinal Logit (Extended) (Figure H.5)

```
############
## ol_ext ##
############

dt_selfI <- read.csv("../out/effect_endorsement_ol_ext_v2_ide_self_mod0.csv")
dt_selfI$ide <- "Self-reported"
dt_selfI$val <- "Ideologue"
dt_selfM <- read.csv("../out/effect_endorsement_ol_ext_v2_ide_self_mod1.csv")
dt_selfM$ide <- "Self-reported"
dt_selfM$val <- "Moderate"
dt_iss_1I <- read.csv("../out/effect_endorsement_ol_ext_v2_ide_iss_1_mod0.csv")
dt_iss_1I$ide <- "National\nSecurity"
dt_iss_1I$val <- "Ideologue"
dt_iss_1M <- read.csv("../out/effect_endorsement_ol_ext_v2_ide_iss_1_mod1.csv")
dt_iss_1M$ide <- "National\nSecurity"
dt_iss_1M$val <- "Moderate"
dt_iss_2I <- read.csv("../out/effect_endorsement_ol_ext_v2_ide_iss_2_mod0.csv")
dt_iss_2I$ide <- "Equality"
dt_iss_2I$val <- "Ideologue"
dt_iss_2M <- read.csv("../out/effect_endorsement_ol_ext_v2_ide_iss_2_mod1.csv")
dt_iss_2M$ide <- "Equality"
dt_iss_2M$val <- "Moderate"
dt_psupI <- read.csv("../out/effect_endorsement_ol_ext_v2_ide_psup_mod0.csv")
dt_psupI$ide <- "Party"
dt_psupI$val <- "Ideologue"
dt_psupM <- read.csv("../out/effect_endorsement_ol_ext_v2_ide_psup_mod1.csv")
dt_psupM$ide <- "Party"
dt_psupM$val <- "Moderate"

dtmod <- rbind(dt_selfI,dt_selfM,
               dt_iss_1I,dt_iss_1M,
               dt_iss_2I,dt_iss_2M,
               dt_psupI,dt_psupM)
dtmod$frame <- factor(dtmod$frame, levels=unique(dtmod$frame))
dtmod$endorsement <- factor(dtmod$endorsement,levels=unique(dtmod$endorsement))
dtmod$ide <- factor(dtmod$ide, levels=unique(dtmod$ide))
dtmod$val <- factor(dtmod$val, levels=unique(dtmod$val))

p <- ggplot(dtmod, aes(x=ide,y=cf,
                       shape=endorsement,color=endorsement)) +
  geom_hline(aes(yintercept=0), linetype=2) +
  geom_errorbar(aes(ymin=lci,ymax=uci), width=0.3, position=position_dodge(width=0.5)) +
  geom_errorbar(aes(ymin=lci90,ymax=uci90), width=0, size=1.2, position=position_dodge(width=0.5)) +
  geom_point(size=2.5, position=position_dodge(width=0.5)) +
  facet_grid(val~frame) +
  scale_color_manual(name="Endorser", values=rep("black",3)) +
  scale_shape_discrete(name="Endorser") +
  labs(x="Type of Ideology Measurement",
```

```
      y="Negative endorsement treatment effect\nordinal logit coefficient") +
  theme_bw()
```

```
p
```




```
ggsave(paste0("../out/effect_endorsement_ol_ext_v2_mod.pdf"), width=8, height=5)
ggsave(paste0("../out/effect_endorsement_ol_ext_v2_mod.png"), width=8, height=5)
```