Is a Picture Worth 280 Characters?

Follow-On Experiments (Appendix C)

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```
library(stargazer)
```

```
##
## Please cite as:
##  Hlavac, Marek (2022). stargazer: Well-Formatted Regression and Summary Statistics Tables.
##  R package version 5.2.3. https://CRAN.R-project.org/package=stargazer
```

```
library(lmtest)
```

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

```
library(ggplot2)
library(TOSTER)

#set WD and read in data.

setwd("/Users/harri/Dropbox (MIT)/Is a Picture Worth 280 Characters (Updated)/JEPS, Submission Folder, .
DF3 <-read.csv("Data, Follow-On Experiments, June 2023.csv", fileEncoding = "UTF-8-BOM")
```

#Demographic Table Stats

```
### demographics

table(DF3$Q.Female)
```

```
##
##   0   1
## 577 619
```

```
length(na.omit(DF3$Q.Female[DF3$Q.Female==0]))/length(DF3$Q.Female)
```

```
## [1] 0.4784411
```

```
sum(na.omit(DF3$Q.Female))/length(DF3$Q.Female)
```

```
## [1] 0.513267
```

```
sum(is.na(DF3$Q.Female))/length(DF3$Q.Female)
```

```
## [1] 0.008291874
```

```
sum(na.omit(DF3$Q.White))/length((DF3$Q.White))
```

```
## [1] 0.725539
```

```
sum(na.omit(DF3$Q.Black))/length((DF3$Q.Black))
```

```
## [1] 0.1102819
```

```
sum(na.omit(DF3$Q.AIorAN))/length((DF3$Q.AIorAN))
```

```
## [1] 0.01077944
```

```
sum(na.omit(DF3$Q.Asian))/length((DF3$Q.Asian))
```

```
## [1] 0.04809287
```

```
sum(na.omit(DF3$Q.NHorPI))/length((DF3$Q.NHorPI))
```

```
## [1] 0.004145937
```

```
sum(na.omit(DF3$Q.Hispanic))/length((DF3$Q.Hispanic))
```

```
## [1] 0.07794362
```

```
sum(na.omit(DF3$Q.Mixed))/length((DF3$Q.Mixed))
```

```
## [1] 0.0199005
```

```
sum(na.omit(DF3$Q.Other))/length((DF3$Q.Other))
```

```
## [1] 0.00331675
```

```
sum(na.omit(DF3$Q.Other_Mixed))/length((DF3$Q.Other_Mixed))
```

```
## [1] 0.02321725
```

```
sum(is.na(DF3$Q.Race))/length(DF3$Q.Race)
```

```
## [1] 0
```

```
summary(DF3$Q.Age)
```

```
##    Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
##   18.00   32.00   44.00   45.29   59.00   89.00       3
```

```
table(DF3$Q.Education)
```

```
##
##   1   2   3   4   5   6   7   8
##  16  48 321 307 155 263  22  74
```

```
sum((na.omit(DF3$Q.HighSchool)))/length((DF3$Q.HighSchool))
```

```
## [1] 0.946932
```

```
sum((na.omit(DF3$Q.Bach)))/length((DF3$Q.Bach))
```

```
## [1] 0.2976783
```

```
sum(is.na(DF3$Q.Education))/length(DF3$Q.Education)
```

```
## [1] 0
```

```
table(DF3$Q.Income)
```

```
##
##   1   2   3   4   5   6   7   8
## 194 291 230 196 111  79  27  78
```

```
length(na.omit(DF3$Q.Income[DF3$Q.Income==1]))/length(DF3$Q.Income)
```

```
## [1] 0.1608624
```

```
length(na.omit(DF3$Q.Income[DF3$Q.Income==2]))/length(DF3$Q.Income)
```

```
## [1] 0.2412935
```

```
length(na.omit(DF3$Q.Income[DF3$Q.Income==3]))/length(DF3$Q.Income)
```

```
## [1] 0.1907131
```

```
length(na.omit(DF3$Q.Income[DF3$Q.Income==4]))/length(DF3$Q.Income)
```

```
## [1] 0.1625207
```

```
length(na.omit(DF3$Q.Income[DF3$Q.Income==5]))/length(DF3$Q.Income)
```

```
## [1] 0.0920398
```

```
length(na.omit(DF3$Q.Income[DF3$Q.Income==6]))/length(DF3$Q.Income)
```

```
## [1] 0.0655058
```

```
length(na.omit(DF3$Q.Income[DF3$Q.Income==7]))/length(DF3$Q.Income)
```

```
## [1] 0.02238806
```

```
length(na.omit(DF3$Q.Income[DF3$Q.Income==8]))/length(DF3$Q.Income)
```

```
## [1] 0.06467662
```

```
sum(is.na(DF3$Q.Income))/length(DF3$Q.Income)
```

```
## [1] 0
```

```
table(DF3$Q.Political_ID)
```

```
##
##   1   2   3   4   5
## 122 230 504 241 109
```

```
sum(na.omit(DF3$Q.Liberal))/length((DF3$Q.Liberal))
```

```
## [1] 0.291874
```

```
sum(na.omit(DF3$Q.Moderate))/length((DF3$Q.Moderate))
```

```
## [1] 0.4179104
```

```
sum(na.omit(DF3$Q.Conservative))/length((DF3$Q.Conservative))
```

```
## [1] 0.2902156
```

```
sum(is.na(DF3$Q.Political_ID))/length(DF3$Q.Political_ID)
```

```
## [1] 0
```

```
table(DF3$Q.Veteran)
```

```
##
##    0    1
## 1102  104
```

```
length(na.omit(DF3$Q.Veteran[DF3$Q.Veteran==0]))/length(DF3$Q.Veteran)
```

```
## [1] 0.9137645
```

```
length(na.omit(DF3$Q.Veteran[DF3$Q.Veteran==1]))/length(DF3$Q.Veteran)
```

```
## [1] 0.08623549
```

```
sum(is.na(DF3$Q.Veteran))/length(DF3$Q.Veteran)
```

```
## [1] 0
```

```
#Twitter_Use

table(DF3$Q.Twitter_Use)
```

```
##
##   1   2   3   4   5
## 600 201 160 158  87
```

```
length(na.omit(DF3$Q.Twitter_Use[DF3$Q.Twitter_Use==1]))/length(DF3$Q.Twitter_Use)
```

```
## [1] 0.4975124
```

```
length(na.omit(DF3$Q.Twitter_Use[DF3$Q.Twitter_Use==2]))/length(DF3$Q.Twitter_Use)
```

```
## [1] 0.1666667
```

```
length(na.omit(DF3$Q.Twitter_Use[DF3$Q.Twitter_Use==3]))/length(DF3$Q.Twitter_Use)
```

```
## [1] 0.13267
```

```
length(na.omit(DF3$Q.Twitter_Use[DF3$Q.Twitter_Use==4]))/length(DF3$Q.Twitter_Use)
```

```
## [1] 0.1310116
```

```
length(na.omit(DF3$Q.Twitter_Use[DF3$Q.Twitter_Use==5]))/length(DF3$Q.Twitter_Use)
```

```
## [1] 0.0721393
```

```
sum(is.na(DF3$Q.Twitter_Use))/length(DF3$Q.Twitter_Use)
```

```
## [1] 0
```

Tweet Analysis

Substantive Questions

```
##DV: POTUS_Support, IV: Tweet binary

## Model 1: No Demographics

T.Potus_Form_1 <- POTUS_Support ~ Tweet
```

```r
## Model 5: Factor Demographics

T.Potus_Form_5 <-
  POTUS_Support ~ Tweet + Q.Female +
  relevel(as.factor(Q.Race), ref = 1) + #makes white the reference cat
  Q.Age + Q.HighSchool + Q.Bach +
  factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8)) +  #treats income as an ordered
  factor(Q.Political_ID, ordered = TRUE, levels = c(1, 2, 3, 4, 5)) + #treats party as an ordered facto
  Q.Veteran + factor(Q.Twitter_Use, ordered = TRUE, levels = c(1, 2, 3, 4, 5))

## Model 7: Slightly simplified for the Appendix

T.Potus_Form_7 <- POTUS_Support ~ Tweet + Q.Female +
  relevel(as.factor(Q.Race), ref = 1) + #makes white the reference cat
  Q.Age + Q.Bach + Q.Income +  #treats income as a continuous variable, removes high school dummy
  Q.Conservative + Q.Liberal + #uses party binaries
  Q.Veteran + Q.Twitter_Some

#regression

T.Potus_1 <- lm(T.Potus_Form_1,
             data = DF3,
             na.action=na.omit)

T.Potus_5 <- lm(T.Potus_Form_5,
             data = DF3,
             na.action=na.omit)

T.Potus_7 <- lm(T.Potus_Form_7,
             data = DF3,
             na.action=na.omit)


stargazer(T.Potus_1, T.Potus_5, T.Potus_7, title = "Twitter, Support for President", no.space = TRUE)
```

```
##
## % Table created by stargazer v.5.2.3 by Marek Hlavac, Social Policy Institute. E-mail: marek.hlavac a
## % Date and time: Fri, May 24, 2024 - 15:28:28
## \begin{table}[!htbp] \centering
##   \caption{Twitter, Support for President}
##   \label{}
## \begin{tabular}{@{\extracolsep{5pt}}lccc}
## \\[-1.8ex]\hline
## \hline \\[-1.8ex]
##  & \multicolumn{3}{c}{\textit{Dependent variable:}} \\
## \cline{2-4}
## \\[-1.8ex] & \multicolumn{3}{c}{POTUS\_Support} \\
## \\[-1.8ex] & (1) & (2) & (3)\\
## \hline \\[-1.8ex]
##  Tweet & 0.077 & 0.079 & 0.078 \\
##   & (0.070) & (0.070) & (0.070) \\
##   Q.Female &  & $-$0.118 & $-$0.136$^{*}$ \\
##   &  & (0.073) & (0.072) \\
##   relevel(as.factor(Q.Race), ref = 1)2 &  & 0.158 & 0.156 \\
```

```
##   &  & (0.118) & (0.117) \\
##   relevel(as.factor(Q.Race), ref = 1)3 &  & 0.157 & 0.148 \\
##   &  & (0.365) & (0.364) \\
##   relevel(as.factor(Q.Race), ref = 1)4 &  & $-$0.015 & $-$0.004 \\
##   &  & (0.165) & (0.165) \\
##   relevel(as.factor(Q.Race), ref = 1)5 &  & 0.540 & 0.618 \\
##   &  & (0.542) & (0.539) \\
##   relevel(as.factor(Q.Race), ref = 1)6 &  & 0.064 & 0.057 \\
##   &  & (0.134) & (0.133) \\
##   relevel(as.factor(Q.Race), ref = 1)7 &  & 0.161 & 0.181 \\
##   &  & (0.256) & (0.255) \\
##   relevel(as.factor(Q.Race), ref = 1)8 &  & $-$0.189 & $-$0.161 \\
##   &  & (0.601) & (0.600) \\
##   Q.Age &  & 0.011$^{***}$ & 0.011$^{***}$ \\
##   &  & (0.002) & (0.002) \\
##   Q.HighSchool &  & 0.188 &  \\
##   &  & (0.164) &  \\
##   Q.Bach &  & 0.096 & 0.112 \\
##   &  & (0.084) & (0.084) \\
##   factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8)).L &  & 0.259$^{*}$ &  \\
##   &  & (0.144) &  \\
##   factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8)).Q &  & 0.118 &  \\
##   &  & (0.112) &  \\
##   factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8)).C &  & $-$0.077 &  \\
##   &  & (0.126) &  \\
##   factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8))$\hat{\mkern6mu}$4 &  & $-$0.07
##   &  & (0.146) &  \\
##   factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8))$\hat{\mkern6mu}$5 &  & $-$0.0
##   &  & (0.142) &  \\
##   factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8))$\hat{\mkern6mu}$6 &  & $-$0.09
##   &  & (0.124) &  \\
##   factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8))$\hat{\mkern6mu}$7 &  & 0.032 &
##   &  & (0.107) &  \\
##   factor(Q.Political\_ID, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).L &  & $-$0.359$^{***}$ &  \\
##   &  & (0.108) &  \\
##   factor(Q.Political\_ID, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).Q &  & $-$0.205$^{**}$ &  \\
##   &  & (0.096) &  \\
##   factor(Q.Political\_ID, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).C &  & 0.122 &  \\
##   &  & (0.087) &  \\
##   factor(Q.Political\_ID, ordered = TRUE, levels = c(1, 2, 3, 4, 5))$\hat{\mkern6mu}$4 &  & $-$0.047
##   &  & (0.070) &  \\
##   Q.Income &  &  & 0.037$^{*}$ \\
##   &  &  & (0.019) \\
##   Q.Conservative &  &  & $-$0.226$^{***}$ \\
##   &  &  & (0.085) \\
##   Q.Liberal &  &  & 0.149$^{*}$ \\
##   &  &  & (0.085) \\
##   Q.Veteran &  & 0.112 & 0.102 \\
##   &  & (0.128) & (0.128) \\
##   factor(Q.Twitter\_Use, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).L &  & 0.219$^{**}$ &  \\
##   &  & (0.106) &  \\
##   factor(Q.Twitter\_Use, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).Q &  & 0.210$^{**}$ &  \\
##   &  & (0.098) &  \\
##   factor(Q.Twitter\_Use, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).C &  & 0.061 &  \\
```

```
##   &  & (0.093) &  \\
##   factor(Q.Twitter\_Use, ordered = TRUE, levels = c(1, 2, 3, 4, 5))$\hat{\mkern6mu}$4 &  & $-$0.033 &
##   &  & (0.094) &  \\
##   Q.Twitter\_Some &  &  & 0.006 \\
##   &  &  & (0.076) \\
##   Constant & 3.288$^{***}$ & 2.639$^{***}$ & 2.692$^{***}$ \\
##   & (0.049) & (0.200) & (0.154) \\
##  \hline \\[-1.8ex]
## Observations & 1,206 & 1,195 & 1,195 \\
## R$^{2}$ & 0.001 & 0.056 & 0.045 \\
## Adjusted R$^{2}$ & 0.0002 & 0.034 & 0.032 \\
## Residual Std. Error & 1.213 (df = 1204) & 1.194 (df = 1166) & 1.195 (df = 1178) \\
## F Statistic & 1.227 (df = 1; 1204) & 2.479$^{***}$ (df = 28; 1166) & 3.475$^{***}$ (df = 16; 1178) \\
## \hline
## \hline \\[-1.8ex]
## \textit{Note:}  & \multicolumn{3}{r}{$^{*}$p$<$0.1; $^{**}$p$<$0.05; $^{***}$p$<$0.01} \\
## \end{tabular}
## \end{table}
```

```
summary(T.Potus_5)
```

```
##
## Call:
## lm(formula = T.Potus_Form_5, data = DF3, na.action = na.omit)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -3.00352 -0.68450  0.04989  0.85563  2.45982
##
## Coefficients:
##                                                                    Estimate
## (Intercept)                                                        2.639409
## Tweet                                                              0.078850
## Q.Female                                                          -0.118249
## relevel(as.factor(Q.Race), ref = 1)2                               0.157812
## relevel(as.factor(Q.Race), ref = 1)3                               0.156676
## relevel(as.factor(Q.Race), ref = 1)4                              -0.014998
## relevel(as.factor(Q.Race), ref = 1)5                               0.540195
## relevel(as.factor(Q.Race), ref = 1)6                               0.063742
## relevel(as.factor(Q.Race), ref = 1)7                               0.161454
## relevel(as.factor(Q.Race), ref = 1)8                              -0.189314
## Q.Age                                                              0.011339
## Q.HighSchool                                                       0.187630
## Q.Bach                                                             0.095678
## factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8)).L  0.259066
## factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8)).Q  0.117890
## factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8)).C -0.077064
## factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8))^4 -0.073453
## factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8))^5 -0.016740
## factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8))^6 -0.097156
## factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8))^7  0.032338
## factor(Q.Political_ID, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).L    -0.358594
## factor(Q.Political_ID, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).Q    -0.204635
## factor(Q.Political_ID, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).C     0.121848
## factor(Q.Political_ID, ordered = TRUE, levels = c(1, 2, 3, 4, 5))^4    -0.047333
```

```
## Q.Veteran                                                                 0.111752
## factor(Q.Twitter_Use, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).L        0.219314
## factor(Q.Twitter_Use, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).Q        0.209887
## factor(Q.Twitter_Use, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).C        0.060848
## factor(Q.Twitter_Use, ordered = TRUE, levels = c(1, 2, 3, 4, 5))^4       -0.033365
##                                                                          Std. Error
## (Intercept)                                                               0.199811
## Tweet                                                                     0.069649
## Q.Female                                                                  0.073131
## relevel(as.factor(Q.Race), ref = 1)2                                      0.118082
## relevel(as.factor(Q.Race), ref = 1)3                                      0.364942
## relevel(as.factor(Q.Race), ref = 1)4                                      0.165463
## relevel(as.factor(Q.Race), ref = 1)5                                      0.541677
## relevel(as.factor(Q.Race), ref = 1)6                                      0.133547
## relevel(as.factor(Q.Race), ref = 1)7                                      0.255880
## relevel(as.factor(Q.Race), ref = 1)8                                      0.600723
## Q.Age                                                                     0.002356
## Q.HighSchool                                                              0.164240
## Q.Bach                                                                    0.084143
## factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8)).L   0.144072
## factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8)).Q   0.111784
## factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8)).C   0.125831
## factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8))^4   0.145841
## factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8))^5   0.141839
## factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8))^6   0.123620
## factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8))^7   0.107007
## factor(Q.Political_ID, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).L       0.107697
## factor(Q.Political_ID, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).Q       0.096267
## factor(Q.Political_ID, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).C       0.087138
## factor(Q.Political_ID, ordered = TRUE, levels = c(1, 2, 3, 4, 5))^4       0.069640
## Q.Veteran                                                                 0.128349
## factor(Q.Twitter_Use, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).L        0.105517
## factor(Q.Twitter_Use, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).Q        0.098013
## factor(Q.Twitter_Use, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).C        0.093285
## factor(Q.Twitter_Use, ordered = TRUE, levels = c(1, 2, 3, 4, 5))^4        0.094363
##                                                                          t value
## (Intercept)                                                               13.210
## Tweet                                                                      1.132
## Q.Female                                                                  -1.617
## relevel(as.factor(Q.Race), ref = 1)2                                       1.336
## relevel(as.factor(Q.Race), ref = 1)3                                       0.429
## relevel(as.factor(Q.Race), ref = 1)4                                      -0.091
## relevel(as.factor(Q.Race), ref = 1)5                                       0.997
## relevel(as.factor(Q.Race), ref = 1)6                                       0.477
## relevel(as.factor(Q.Race), ref = 1)7                                       0.631
## relevel(as.factor(Q.Race), ref = 1)8                                      -0.315
## Q.Age                                                                      4.814
## Q.HighSchool                                                               1.142
## Q.Bach                                                                     1.137
## factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8)).L    1.798
## factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8)).Q    1.055
## factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8)).C   -0.612
## factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8))^4   -0.504
## factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8))^5   -0.118
```

```
## factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8))^6  -0.786
## factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8))^7   0.302
## factor(Q.Political_ID, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).L     -3.330
## factor(Q.Political_ID, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).Q     -2.126
## factor(Q.Political_ID, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).C      1.398
## factor(Q.Political_ID, ordered = TRUE, levels = c(1, 2, 3, 4, 5))^4     -0.680
## Q.Veteran                                                               0.871
## factor(Q.Twitter_Use, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).L      2.078
## factor(Q.Twitter_Use, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).Q      2.141
## factor(Q.Twitter_Use, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).C      0.652
## factor(Q.Twitter_Use, ordered = TRUE, levels = c(1, 2, 3, 4, 5))^4      -0.354
##                                                                        Pr(>|t|)
## (Intercept)                                                             < 2e-16
## Tweet                                                                  0.257826
## Q.Female                                                               0.106162
## relevel(as.factor(Q.Race), ref = 1)2                                   0.181658
## relevel(as.factor(Q.Race), ref = 1)3                                   0.667771
## relevel(as.factor(Q.Race), ref = 1)4                                   0.927793
## relevel(as.factor(Q.Race), ref = 1)5                                   0.318843
## relevel(as.factor(Q.Race), ref = 1)6                                   0.633239
## relevel(as.factor(Q.Race), ref = 1)7                                   0.528182
## relevel(as.factor(Q.Race), ref = 1)8                                   0.752708
## Q.Age                                                                  1.67e-06
## Q.HighSchool                                                           0.253516
## Q.Bach                                                                 0.255735
## factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8)).L 0.072409
## factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8)).Q 0.291817
## factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8)).C 0.540368
## factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8))^4 0.614602
## factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8))^5 0.906072
## factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8))^6 0.432072
## factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8))^7 0.762548
## factor(Q.Political_ID, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).L    0.000897
## factor(Q.Political_ID, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).Q    0.033738
## factor(Q.Political_ID, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).C    0.162275
## factor(Q.Political_ID, ordered = TRUE, levels = c(1, 2, 3, 4, 5))^4    0.496845
## Q.Veteran                                                              0.384101
## factor(Q.Twitter_Use, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).L     0.037883
## factor(Q.Twitter_Use, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).Q     0.032446
## factor(Q.Twitter_Use, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).C     0.514347
## factor(Q.Twitter_Use, ordered = TRUE, levels = c(1, 2, 3, 4, 5))^4     0.723715
##
## (Intercept)                                                            ***
## Tweet
## Q.Female
## relevel(as.factor(Q.Race), ref = 1)2
## relevel(as.factor(Q.Race), ref = 1)3
## relevel(as.factor(Q.Race), ref = 1)4
## relevel(as.factor(Q.Race), ref = 1)5
## relevel(as.factor(Q.Race), ref = 1)6
## relevel(as.factor(Q.Race), ref = 1)7
## relevel(as.factor(Q.Race), ref = 1)8
## Q.Age                                                                  ***
## Q.HighSchool
```

```
## Q.Bach
## factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8)).L .
## factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8)).Q
## factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8)).C
## factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8))^4
## factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8))^5
## factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8))^6
## factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8))^7
## factor(Q.Political_ID, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).L    ***
## factor(Q.Political_ID, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).Q    *
## factor(Q.Political_ID, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).C
## factor(Q.Political_ID, ordered = TRUE, levels = c(1, 2, 3, 4, 5))^4
## Q.Veteran
## factor(Q.Twitter_Use, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).L     *
## factor(Q.Twitter_Use, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).Q     *
## factor(Q.Twitter_Use, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).C
## factor(Q.Twitter_Use, ordered = TRUE, levels = c(1, 2, 3, 4, 5))^4
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 1.194 on 1166 degrees of freedom
##   (11 observations deleted due to missingness)
## Multiple R-squared:  0.05618,    Adjusted R-squared:  0.03352
## F-statistic: 2.479 on 28 and 1166 DF,  p-value: 3.341e-05
```

ICA Analysis

Substantive Questions

```
##DV: Authenticity, IV: ICA binary

## Model 1: No Demographics

I.Auth_Form_1 <- Authenticity ~ ICA

## Model 5: Factor Demographics

I.Auth_Form_5 <-
  Authenticity ~ ICA + Q.Female +
  relevel(as.factor(Q.Race), ref = 1) + #makes white the reference cat
  Q.Age + Q.HighSchool + Q.Bach +
  factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8)) +  #treats income as an ordered
  factor(Q.Political_ID, ordered = TRUE, levels = c(1, 2, 3, 4, 5)) + #treats party as an ordered facto
  Q.Veteran + factor(Q.Twitter_Use, ordered = TRUE, levels = c(1, 2, 3, 4, 5))

## Model 7: Slightly simplified for the Appendix

I.Auth_Form_7 <- Authenticity ~ ICA + Q.Female +
  relevel(as.factor(Q.Race), ref = 1) + #makes white the reference cat
  Q.Age + Q.Bach + Q.Income +  #treats income as a continuous variable, removes high school dummy
  Q.Conservative + Q.Liberal + #uses party binaries
  Q.Veteran + Q.Twitter_Some
```

```r
#regression

I.Auth_1 <- lm(I.Auth_Form_1,
               data = DF3,
               na.action=na.omit)

I.Auth_5 <- lm(I.Auth_Form_5,
               data = DF3,
               na.action=na.omit)

I.Auth_7 <- lm(I.Auth_Form_7,
               data = DF3,
               na.action=na.omit)


stargazer(I.Auth_1, I.Auth_5, I.Auth_7, title = "Leaked ICA, Perceived Authenticity", no.space = TRUE)
```

```
##
## % Table created by stargazer v.5.2.3 by Marek Hlavac, Social Policy Institute. E-mail: marek.hlavac a
## % Date and time: Fri, May 24, 2024 - 15:28:28
## \begin{table}[!htbp] \centering
##   \caption{Leaked ICA, Perceived Authenticity}
##   \label{}
## \begin{tabular}{@{\extracolsep{5pt}}lccc}
## \\[-1.8ex]\hline
## \hline \\[-1.8ex]
##  & \multicolumn{3}{c}{\textit{Dependent variable:}} \\
## \cline{2-4}
## \\[-1.8ex] & \multicolumn{3}{c}{Authenticity} \\
## \\[-1.8ex] & (1) & (2) & (3)\\
## \hline \\[-1.8ex]
##  ICA & $-$0.236$^{***}$ & $-$0.246$^{***}$ & $-$0.257$^{***}$ \\
##   & (0.060) & (0.061) & (0.061) \\
##   Q.Female &  & 0.023 & 0.016 \\
##   &  & (0.064) & (0.063) \\
##   relevel(as.factor(Q.Race), ref = 1)2 &  & 0.078 & 0.075 \\
##   &  & (0.103) & (0.102) \\
##   relevel(as.factor(Q.Race), ref = 1)3 &  & 0.261 & 0.225 \\
##   &  & (0.318) & (0.317) \\
##   relevel(as.factor(Q.Race), ref = 1)4 &  & $-$0.058 & $-$0.080 \\
##   &  & (0.144) & (0.144) \\
##   relevel(as.factor(Q.Race), ref = 1)5 &  & $-$0.101 & $-$0.073 \\
##   &  & (0.472) & (0.470) \\
##   relevel(as.factor(Q.Race), ref = 1)6 &  & $-$0.214$^{*}$ & $-$0.216$^{*}$ \\
##   &  & (0.116) & (0.116) \\
##   relevel(as.factor(Q.Race), ref = 1)7 &  & 0.233 & 0.225 \\
##   &  & (0.223) & (0.222) \\
##   relevel(as.factor(Q.Race), ref = 1)8 &  & $-$0.497 & $-$0.552 \\
##   &  & (0.524) & (0.524) \\
##   Q.Age &  & $-$0.0004 & $-$0.001 \\
##   &  & (0.002) & (0.002) \\
##   Q.HighSchool &  & 0.118 &  \\
##   &  & (0.143) &  \\
##   Q.Bach &  & 0.092 & 0.097 \\
```

```
##   &  & (0.073) & (0.073) \\
##   factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8)).L &  & 0.110 &  \\
##   &  & (0.126) &  \\
##   factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8)).Q &  & $-$0.005 &  \\
##   &  & (0.097) &  \\
##   factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8)).C &  & 0.016 &  \\
##   &  & (0.110) &  \\
##   factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8))$\hat{\mkern6mu}$4 &  & $-$0.09
##   &  & (0.127) &  \\
##   factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8))$\hat{\mkern6mu}$5 &  & $-$0.05
##   &  & (0.124) &  \\
##   factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8))$\hat{\mkern6mu}$6 &  & $-$0.11
##   &  & (0.108) &  \\
##   factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8))$\hat{\mkern6mu}$7 &  & 0.117 &
##   &  & (0.093) &  \\
##   factor(Q.Political\_ID, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).L &  & 0.121 &  \\
##   &  & (0.094) &  \\
##   factor(Q.Political\_ID, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).Q &  & 0.214$^{**}$ &  \\
##   &  & (0.084) &  \\
##   factor(Q.Political\_ID, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).C &  & $-$0.045 &  \\
##   &  & (0.076) &  \\
##   factor(Q.Political\_ID, ordered = TRUE, levels = c(1, 2, 3, 4, 5))$\hat{\mkern6mu}$4 &  & $-$0.010
##   &  & (0.061) &  \\
##   Q.Income &  &  & 0.012 \\
##   &  &  & (0.017) \\
##   Q.Conservative &  &  & 0.209$^{***}$ \\
##   &  &  & (0.074) \\
##   Q.Liberal &  &  & 0.084 \\
##   &  &  & (0.074) \\
##   Q.Veteran &  & $-$0.044 & $-$0.016 \\
##   &  & (0.112) & (0.111) \\
##   factor(Q.Twitter\_Use, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).L &  & 0.188$^{**}$ &  \\
##   &  & (0.092) &  \\
##   factor(Q.Twitter\_Use, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).Q &  & 0.136 &  \\
##   &  & (0.086) &  \\
##   factor(Q.Twitter\_Use, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).C &  & 0.094 &  \\
##   &  & (0.081) &  \\
##   factor(Q.Twitter\_Use, ordered = TRUE, levels = c(1, 2, 3, 4, 5))$\hat{\mkern6mu}$4 &  & $-$0.043 &
##   &  & (0.082) &  \\
##   Q.Twitter\_Some &  &  & 0.085 \\
##   &  &  & (0.066) \\
##   Constant & 3.411$^{***}$ & 3.402$^{***}$ & 3.260$^{***}$ \\
##   & (0.043) & (0.174) & (0.135) \\
##  \hline \\[-1.8ex]
## Observations & 1,206 & 1,195 & 1,195 \\
## R$^{2}$ & 0.013 & 0.045 & 0.032 \\
## Adjusted R$^{2}$ & 0.012 & 0.022 & 0.019 \\
## Residual Std. Error & 1.049 (df = 1204) & 1.041 (df = 1166) & 1.043 (df = 1178) \\
## F Statistic & 15.272$^{***}$ (df = 1; 1204) & 1.952$^{***}$ (df = 28; 1166) & 2.441$^{***}$ (df = 16
## \hline
## \hline \\[-1.8ex]
## \textit{Note:}  & \multicolumn{3}{r}{$^{*}$p$<$0.1; $^{**}$p$<$0.05; $^{***}$p$<$0.01} \\
## \end{tabular}
## \end{table}
```

```r
##DV: Supplied_Check_Binary, IV: ICA binary

## Model 1: No Demographics

I.Supplied_Form_1 <- Supplied_Check_Binary ~ ICA

## Model 5: Factor Demographics

I.Supplied_Form_5 <-
  Supplied_Check_Binary ~ ICA + Q.Female +
  relevel(as.factor(Q.Race), ref = 1) + #makes white the reference cat
  Q.Age + Q.HighSchool + Q.Bach +
  factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8)) +  #treats income as an ordered
  factor(Q.Political_ID, ordered = TRUE, levels = c(1, 2, 3, 4, 5)) + #treats party as an ordered facto
  Q.Veteran + factor(Q.Twitter_Use, ordered = TRUE, levels = c(1, 2, 3, 4, 5))

## Model 7: Slightly simplified for the Appendix

I.Supplied_Form_7 <- Supplied_Check_Binary ~ ICA + Q.Female +
  relevel(as.factor(Q.Race), ref = 1) + #makes white the reference cat
  Q.Age + Q.Bach + Q.Income +  #treats income as a continuous variable, removes high school dummy
  Q.Conservative + Q.Liberal + #uses party binaries
  Q.Veteran + Q.Twitter_Some

#regression

I.Supplied_1 <- lm(I.Supplied_Form_1,
             data = DF3,
             na.action=na.omit)

I.Supplied_5 <- lm(I.Supplied_Form_5,
             data = DF3,
             na.action=na.omit)

I.Supplied_7 <- lm(I.Supplied_Form_7,
             data = DF3,
             na.action=na.omit)


stargazer(I.Supplied_1, I.Supplied_5, I.Supplied_7, title = "Leaked ICA, Supplied Check", no.space = TRU
```

```
##
## % Table created by stargazer v.5.2.3 by Marek Hlavac, Social Policy Institute. E-mail: marek.hlavac a
## % Date and time: Fri, May 24, 2024 - 15:28:28
## \begin{table}[!htbp] \centering
##   \caption{Leaked ICA, Supplied Check}
##   \label{}
## \begin{tabular}{@{\extracolsep{5pt}}lccc}
## \\[-1.8ex]\hline
## \hline \\[-1.8ex]
##  & \multicolumn{3}{c}{\textit{Dependent variable:}} \\
## \cline{2-4}
## \\[-1.8ex] & \multicolumn{3}{c}{Supplied\_Check\_Binary} \\
## \\[-1.8ex] & (1) & (2) & (3)\\
```

```
## \hline \\[-1.8ex]
##  ICA & 0.032 & 0.039 & 0.038 \\
##   & (0.025) & (0.025) & (0.025) \\
##   Q.Female &  & $-$0.091$^{***}$ & $-$0.084$^{***}$ \\
##   &  & (0.026) & (0.025) \\
##   relevel(as.factor(Q.Race), ref = 1)2 &  & $-$0.210$^{***}$ & $-$0.218$^{***}$ \\
##   &  & (0.042) & (0.041) \\
##   relevel(as.factor(Q.Race), ref = 1)3 &  & 0.101 & 0.092 \\
##   &  & (0.129) & (0.128) \\
##   relevel(as.factor(Q.Race), ref = 1)4 &  & $-$0.026 & $-$0.030 \\
##   &  & (0.058) & (0.058) \\
##   relevel(as.factor(Q.Race), ref = 1)5 &  & 0.097 & 0.060 \\
##   &  & (0.191) & (0.190) \\
##   relevel(as.factor(Q.Race), ref = 1)6 &  & $-$0.037 & $-$0.040 \\
##   &  & (0.047) & (0.047) \\
##   relevel(as.factor(Q.Race), ref = 1)7 &  & 0.225$^{**}$ & 0.250$^{***}$ \\
##   &  & (0.090) & (0.090) \\
##   relevel(as.factor(Q.Race), ref = 1)8 &  & 0.253 & 0.286 \\
##   &  & (0.212) & (0.212) \\
##   Q.Age &  & 0.004$^{***}$ & 0.004$^{***}$ \\
##   &  & (0.001) & (0.001) \\
##   Q.HighSchool &  & 0.052 &  \\
##   &  & (0.058) &  \\
##   Q.Bach &  & 0.070$^{**}$ & 0.074$^{**}$ \\
##   &  & (0.030) & (0.029) \\
##   factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8)).L &  & 0.017 &  \\
##   &  & (0.051) &  \\
##   factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8)).Q &  & 0.027 &  \\
##   &  & (0.039) &  \\
##   factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8)).C &  & 0.038 &  \\
##   &  & (0.044) &  \\
##   factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8))$\hat{\mkern6mu}$4 &  & 0.020 &
##   &  & (0.051) &  \\
##   factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8))$\hat{\mkern6mu}$5 &  & $-$0.0
##   &  & (0.050) &  \\
##   factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8))$\hat{\mkern6mu}$6 &  & 0.050 &
##   &  & (0.044) &  \\
##   factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8))$\hat{\mkern6mu}$7 &  & $-$0.0
##   &  & (0.038) &  \\
##   factor(Q.Political\_ID, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).L &  & $-$0.081$^{**}$ &  \\
##   &  & (0.038) &  \\
##   factor(Q.Political\_ID, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).Q &  & $-$0.061$^{*}$ &  \\
##   &  & (0.034) &  \\
##   factor(Q.Political\_ID, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).C &  & $-$0.032 &  \\
##   &  & (0.031) &  \\
##   factor(Q.Political\_ID, ordered = TRUE, levels = c(1, 2, 3, 4, 5))$\hat{\mkern6mu}$4 &  & $-$0.021
##   &  & (0.025) &  \\
##   Q.Income &  &  & 0.004 \\
##   &  &  & (0.007) \\
##   Q.Conservative &  &  & $-$0.036 \\
##   &  &  & (0.030) \\
##   Q.Liberal &  &  & 0.012 \\
##   &  &  & (0.030) \\
##   Q.Veteran &  & $-$0.133$^{***}$ & $-$0.137$^{***}$ \\
```

```
##   &  & (0.045) & (0.045) \\
##   factor(Q.Twitter\_Use, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).L &  & $-$0.050 &  \\
##   &  & (0.037) &  \\
##   factor(Q.Twitter\_Use, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).Q &  & 0.016 &  \\
##   &  & (0.035) &  \\
##   factor(Q.Twitter\_Use, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).C &  & 0.067$^{**}$ &  \\
##   &  & (0.033) &  \\
##   factor(Q.Twitter\_Use, ordered = TRUE, levels = c(1, 2, 3, 4, 5))$\hat{\mkern6mu}$4 &  & $-$0.021 &
##   &  & (0.033) &  \\
##   Q.Twitter\_Some &  &  & $-$0.012 \\
##   &  &  & (0.027) \\
##   Constant & 0.723$^{***}$ & 0.527$^{***}$ & 0.583$^{***}$ \\
##   & (0.018) & (0.070) & (0.054) \\
##  \hline \\[-1.8ex]
## Observations & 1,206 & 1,195 & 1,195 \\
## R$^{2}$ & 0.001 & 0.104 & 0.089 \\
## Adjusted R$^{2}$ & 0.0005 & 0.082 & 0.076 \\
## Residual Std. Error & 0.439 (df = 1204) & 0.420 (df = 1166) & 0.422 (df = 1178) \\
## F Statistic & 1.565 (df = 1; 1204) & 4.832$^{***}$ (df = 28; 1166) & 7.165$^{***}$ (df = 16; 1178) \
## \hline
## \hline \\[-1.8ex]
## \textit{Note:}  & \multicolumn{3}{r}{$^{*}$p$<$0.1; $^{**}$p$<$0.05; $^{***}$p$<$0.01} \\
## \end{tabular}
## \end{table}
```

```
summary(I.Supplied_5)
```

```
##
## Call:
## lm(formula = I.Supplied_Form_5, data = DF3, na.action = na.omit)
##
## Residuals:
##     Min      1Q  Median      3Q     Max
## -1.1192 -0.3818  0.1791  0.2773  0.7127
##
## Coefficients:
##                                                                    Estimate
## (Intercept)                                                       0.5272484
## ICA                                                               0.0385839
## Q.Female                                                         -0.0908149
## relevel(as.factor(Q.Race), ref = 1)2                             -0.2103227
## relevel(as.factor(Q.Race), ref = 1)3                              0.1007932
## relevel(as.factor(Q.Race), ref = 1)4                             -0.0259109
## relevel(as.factor(Q.Race), ref = 1)5                              0.0966326
## relevel(as.factor(Q.Race), ref = 1)6                             -0.0371636
## relevel(as.factor(Q.Race), ref = 1)7                              0.2248949
## relevel(as.factor(Q.Race), ref = 1)8                              0.2529565
## Q.Age                                                             0.0040326
## Q.HighSchool                                                      0.0524659
## Q.Bach                                                            0.0697071
## factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8)).L  0.0169413
## factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8)).Q  0.0265352
## factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8)).C  0.0379054
## factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8))^4  0.0195502
## factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8))^5 -0.0162964
```

```
## factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8))^6  0.0501723
## factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8))^7 -0.0267667
## factor(Q.Political_ID, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).L    -0.0814165
## factor(Q.Political_ID, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).Q    -0.0610548
## factor(Q.Political_ID, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).C    -0.0316536
## factor(Q.Political_ID, ordered = TRUE, levels = c(1, 2, 3, 4, 5))^4    -0.0214395
## Q.Veteran                                                              -0.1331734
## factor(Q.Twitter_Use, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).L     -0.0500534
## factor(Q.Twitter_Use, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).Q      0.0160732
## factor(Q.Twitter_Use, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).C      0.0672737
## factor(Q.Twitter_Use, ordered = TRUE, levels = c(1, 2, 3, 4, 5))^4     -0.0213045
##                                                                        Std. Error
## (Intercept)                                                             0.0704037
## ICA                                                                     0.0245979
## Q.Female                                                                0.0257521
## relevel(as.factor(Q.Race), ref = 1)2                                    0.0415782
## relevel(as.factor(Q.Race), ref = 1)3                                    0.1285671
## relevel(as.factor(Q.Race), ref = 1)4                                    0.0582335
## relevel(as.factor(Q.Race), ref = 1)5                                    0.1905865
## relevel(as.factor(Q.Race), ref = 1)6                                    0.0469931
## relevel(as.factor(Q.Race), ref = 1)7                                    0.0900834
## relevel(as.factor(Q.Race), ref = 1)8                                    0.2115322
## Q.Age                                                                   0.0008296
## Q.HighSchool                                                            0.0578407
## Q.Bach                                                                  0.0296300
## factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8)).L  0.0507577
## factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8)).Q  0.0393580
## factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8)).C  0.0443991
## factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8))^4  0.0513678
## factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8))^5  0.0499883
## factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8))^6  0.0435288
## factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8))^7  0.0376828
## factor(Q.Political_ID, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).L     0.0379222
## factor(Q.Political_ID, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).Q     0.0338761
## factor(Q.Political_ID, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).C     0.0306960
## factor(Q.Political_ID, ordered = TRUE, levels = c(1, 2, 3, 4, 5))^4     0.0245252
## Q.Veteran                                                               0.0451778
## factor(Q.Twitter_Use, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).L      0.0371270
## factor(Q.Twitter_Use, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).Q      0.0346209
## factor(Q.Twitter_Use, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).C      0.0328298
## factor(Q.Twitter_Use, ordered = TRUE, levels = c(1, 2, 3, 4, 5))^4      0.0332454
##                                                                        t value
## (Intercept)                                                              7.489
## ICA                                                                      1.569
## Q.Female                                                                -3.527
## relevel(as.factor(Q.Race), ref = 1)2                                    -5.058
## relevel(as.factor(Q.Race), ref = 1)3                                     0.784
## relevel(as.factor(Q.Race), ref = 1)4                                    -0.445
## relevel(as.factor(Q.Race), ref = 1)5                                     0.507
## relevel(as.factor(Q.Race), ref = 1)6                                    -0.791
## relevel(as.factor(Q.Race), ref = 1)7                                     2.497
## relevel(as.factor(Q.Race), ref = 1)8                                     1.196
## Q.Age                                                                    4.861
## Q.HighSchool                                                             0.907
```

```
## Q.Bach                                                                  2.353
## factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8)).L   0.334
## factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8)).Q   0.674
## factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8)).C   0.854
## factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8))^4   0.381
## factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8))^5  -0.326
## factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8))^6   1.153
## factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8))^7  -0.710
## factor(Q.Political_ID, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).L     -2.147
## factor(Q.Political_ID, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).Q     -1.802
## factor(Q.Political_ID, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).C     -1.031
## factor(Q.Political_ID, ordered = TRUE, levels = c(1, 2, 3, 4, 5))^4     -0.874
## Q.Veteran                                                               -2.948
## factor(Q.Twitter_Use, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).L      -1.348
## factor(Q.Twitter_Use, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).Q       0.464
## factor(Q.Twitter_Use, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).C       2.049
## factor(Q.Twitter_Use, ordered = TRUE, levels = c(1, 2, 3, 4, 5))^4      -0.641
##                                                                      Pr(>|t|)
## (Intercept)                                                          1.37e-13
## ICA                                                                  0.117016
## Q.Female                                                             0.000437
## relevel(as.factor(Q.Race), ref = 1)2                                 4.91e-07
## relevel(as.factor(Q.Race), ref = 1)3                                 0.433215
## relevel(as.factor(Q.Race), ref = 1)4                                 0.656439
## relevel(as.factor(Q.Race), ref = 1)5                                 0.612231
## relevel(as.factor(Q.Race), ref = 1)6                                 0.429205
## relevel(as.factor(Q.Race), ref = 1)7                                 0.012679
## relevel(as.factor(Q.Race), ref = 1)8                                 0.232006
## Q.Age                                                                1.33e-06
## Q.HighSchool                                                         0.364555
## Q.Bach                                                               0.018809
## factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8)).L 0.738615
## factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8)).Q 0.500318
## factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8)).C 0.393423
## factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8))^4 0.703575
## factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8))^5 0.744479
## factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8))^6 0.249301
## factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8))^7 0.477650
## factor(Q.Political_ID, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).L    0.032004
## factor(Q.Political_ID, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).Q    0.071757
## factor(Q.Political_ID, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).C    0.302663
## factor(Q.Political_ID, ordered = TRUE, levels = c(1, 2, 3, 4, 5))^4    0.382198
## Q.Veteran                                                             0.003265
## factor(Q.Twitter_Use, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).L     0.177866
## factor(Q.Twitter_Use, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).Q     0.642546
## factor(Q.Twitter_Use, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).C     0.040670
## factor(Q.Twitter_Use, ordered = TRUE, levels = c(1, 2, 3, 4, 5))^4     0.521763
##
## (Intercept)                                                          ***
## ICA
## Q.Female                                                             ***
## relevel(as.factor(Q.Race), ref = 1)2                                 ***
## relevel(as.factor(Q.Race), ref = 1)3
## relevel(as.factor(Q.Race), ref = 1)4
```

```
## relevel(as.factor(Q.Race), ref = 1)5
## relevel(as.factor(Q.Race), ref = 1)6
## relevel(as.factor(Q.Race), ref = 1)7                                    *
## relevel(as.factor(Q.Race), ref = 1)8
## Q.Age                                                                   ***
## Q.HighSchool
## Q.Bach                                                                  *
## factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8)).L
## factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8)).Q
## factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8)).C
## factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8))^4
## factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8))^5
## factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8))^6
## factor(Q.Income, ordered = TRUE, levels = c(1, 2, 3, 4, 5, 6, 7, 8))^7
## factor(Q.Political_ID, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).L    *
## factor(Q.Political_ID, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).Q    .
## factor(Q.Political_ID, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).C
## factor(Q.Political_ID, ordered = TRUE, levels = c(1, 2, 3, 4, 5))^4
## Q.Veteran                                                               **
## factor(Q.Twitter_Use, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).L
## factor(Q.Twitter_Use, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).Q
## factor(Q.Twitter_Use, ordered = TRUE, levels = c(1, 2, 3, 4, 5)).C     *
## factor(Q.Twitter_Use, ordered = TRUE, levels = c(1, 2, 3, 4, 5))^4
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.4205 on 1166 degrees of freedom
##   (11 observations deleted due to missingness)
## Multiple R-squared:  0.104,  Adjusted R-squared:  0.08245
## F-statistic: 4.832 on 28 and 1166 DF,  p-value: 5.512e-15
```

Means and SE Estimates

Twitter

Substantive Questions

```
##### POTUS_Support

T.Potus_Full_1 <- POTUS_Support ~ 0 + as.factor(Tweet)


lm_T.Potus_Full_1 <- lm(T.Potus_Full_1,
                        data = DF3)

summary(lm_T.Potus_Full_1)
```

```
##
## Call:
## lm(formula = T.Potus_Full_1, data = DF3)
##
## Residuals:
##     Min      1Q  Median      3Q     Max
## -2.3655 -0.3654 -0.2881  0.7119  1.7119
```

```
##
## Coefficients:
##                   Estimate Std. Error t value Pr(>|t|)
## as.factor(Tweet)0  3.28808    0.04936   66.62   <2e-16 ***
## as.factor(Tweet)1  3.36545    0.04944   68.08   <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 1.213 on 1204 degrees of freedom
## Multiple R-squared:  0.8828, Adjusted R-squared:  0.8826
## F-statistic:  4536 on 2 and 1204 DF,  p-value: < 2.2e-16
```

```
length(na.omit(DF3$POTUS_Support[DF3$Tweet==1]))
```

```
## [1] 602
```

```
length(na.omit(DF3$POTUS_Support[DF3$Tweet==0]))
```

```
## [1] 604
```

Timing and AC

Leaked ICA

Substantive Questions

```
##### Authenticity

I.Auth_Full_1 <- Authenticity ~ 0 + as.factor(ICA)


lm_I.Auth_Full_1 <- lm(I.Auth_Full_1,
                       data = DF3)

summary(lm_I.Auth_Full_1)
```

```
##
## Call:
## lm(formula = I.Auth_Full_1, data = DF3)
##
## Residuals:
##     Min      1Q  Median      3Q     Max
## -2.4107 -0.4107 -0.1746  0.8254  1.8254
##
## Coefficients:
##                  Estimate Std. Error t value Pr(>|t|)
## as.factor(ICA)0  3.41068    0.04285   79.59   <2e-16 ***
## as.factor(ICA)1  3.17463    0.04257   74.57   <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 1.049 on 1204 degrees of freedom
## Multiple R-squared:  0.9081, Adjusted R-squared:  0.9079
## F-statistic:  5948 on 2 and 1204 DF,  p-value: < 2.2e-16
```

```
length(na.omit(DF3$Authenticity[DF3$ICA==1]))
```

```
## [1] 607
```

```
length(na.omit(DF3$Authenticity[DF3$ICA==0]))
```

```
## [1] 599
```

Timing and AC

```
##### Supplied_Check_Binary

I.Supplied_Full_1 <- Supplied_Check_Binary ~ 0 + as.factor(ICA)


lm_I.Supplied_Full_1 <- lm(I.Supplied_Full_1,
                      data = DF3)

summary(lm_I.Supplied_Full_1)
```

```
##
## Call:
## lm(formula = I.Supplied_Full_1, data = DF3)
##
## Residuals:
##     Min      1Q  Median      3Q     Max
## -0.7545 -0.7229  0.2455  0.2771  0.2771
##
## Coefficients:
##                 Estimate Std. Error t value Pr(>|t|)
## as.factor(ICA)0  0.72287    0.01795   40.27   <2e-16 ***
## as.factor(ICA)1  0.75453    0.01783   42.31   <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.4394 on 1204 degrees of freedom
## Multiple R-squared:  0.7391, Adjusted R-squared:  0.7387
## F-statistic:  1706 on 2 and 1204 DF,  p-value: < 2.2e-16
```

```
length(na.omit(DF3$Supplied_Check_Binary[DF3$ICA==1]))
```

```
## [1] 607
```

```
length(na.omit(DF3$Supplied_Check_Binary[DF3$ICA==0]))
```

```
## [1] 599
```

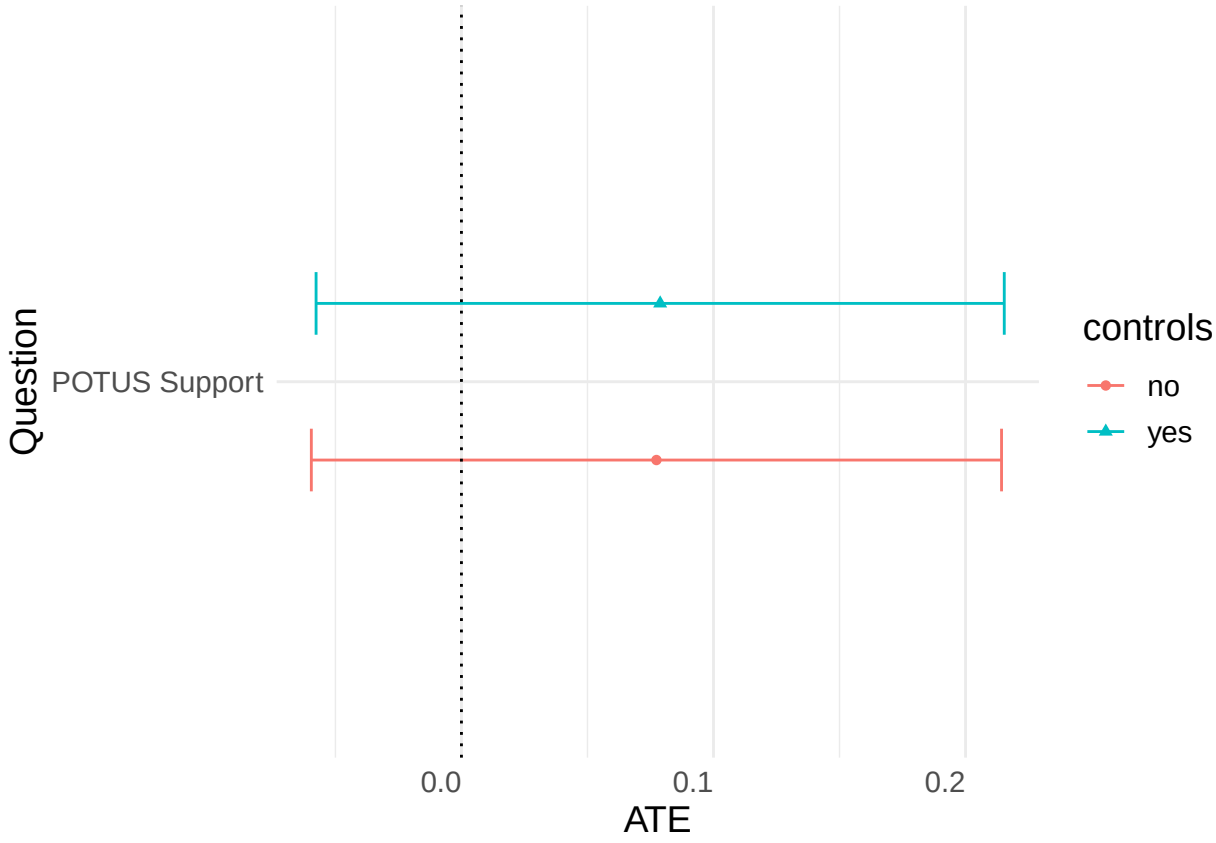
Graphs

Twitter

Substantive Questions

```
#put all the names, estimates, SEs, and behavior into one df for graphing
Results_DF <- as.data.frame(matrix(data = c(
                                   "POTUS Support", coeftest(T.Potus_1)[2, 1:2],"no",
                                   "POTUS Support", coeftest(T.Potus_5)[2, 1:2], "yes"),
                                   ncol = 4, byrow = TRUE))
```

```
colnames(Results_DF) <- c("dv", "estimate", "se", "controls")

#making into correct operators
Results_DF$dv <- factor(Results_DF$dv, levels = c("POTUS Support"))
Results_DF$estimate <- as.numeric(Results_DF$estimate)
Results_DF$se <- as.numeric(Results_DF$se)

#adding in CIs
q <- as.numeric(qnorm(p=.05/2, lower.tail=FALSE))
Results_DF$ci <- Results_DF$se*q


## graph time
pd <- position_dodge(0.5)

ggplot(Results_DF, aes(x = dv, y = estimate, color = controls))  +
  geom_point(aes(color=controls, shape=controls), position = pd) +
  geom_errorbar(aes(ymin = estimate - ci, ymax = estimate + ci), width = .2, position = pd) +
  theme_minimal() + xlab("Question") + ylab("ATE") +
  geom_hline(yintercept = 0, linetype="dotted") +
  theme(axis.text.x = element_text(hjust = 1), text = element_text(size = 14)) + coord_flip()
```

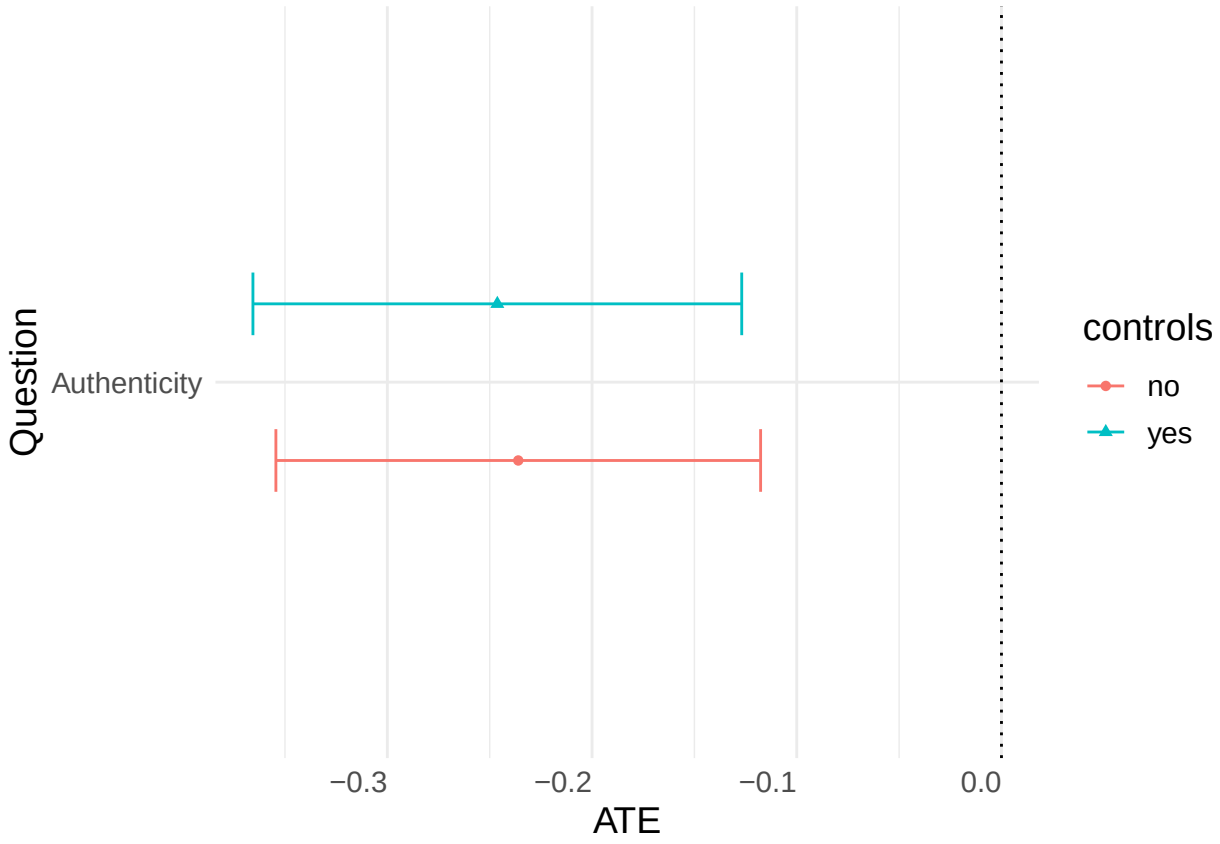



```
#   ggtitle("ATE of Tweet Treatment on Substantive DVs") #removed for paper
```

Leaked ICA

Substantive Questions

```
#put all the names, estimates, SEs, and behavior into one df for graphing
Results_DF <- as.data.frame(matrix(data = c(
                                    "Authenticity", coeftest(I.Auth_1)[2, 1:2], "no",
                                    "Authenticity", coeftest(I.Auth_5)[2, 1:2], "yes"),
                                    ncol = 4, byrow = TRUE))

colnames(Results_DF) <- c("dv", "estimate", "se", "controls")

#making into correct operators
Results_DF$dv <- factor(Results_DF$dv, levels = c("Authenticity"))
Results_DF$estimate <- as.numeric(Results_DF$estimate)
Results_DF$se <- as.numeric(Results_DF$se)

#adding in CIs
q <- as.numeric(qnorm(p=.05/2, lower.tail=FALSE))
Results_DF$ci <- Results_DF$se*q


## graph time
pd <- position_dodge(0.5)

ggplot(Results_DF, aes(x = dv, y = estimate, color = controls))  +
  geom_point(aes(color=controls, shape=controls), position = pd) +
  geom_errorbar(aes(ymin = estimate - ci, ymax = estimate + ci), width = .2, position = pd) +
  theme_minimal() + xlab("Question") + ylab("ATE") +
  geom_hline(yintercept = 0, linetype="dotted") +
  theme(axis.text.x = element_text(hjust = 1), text = element_text(size = 14)) + coord_flip()
```

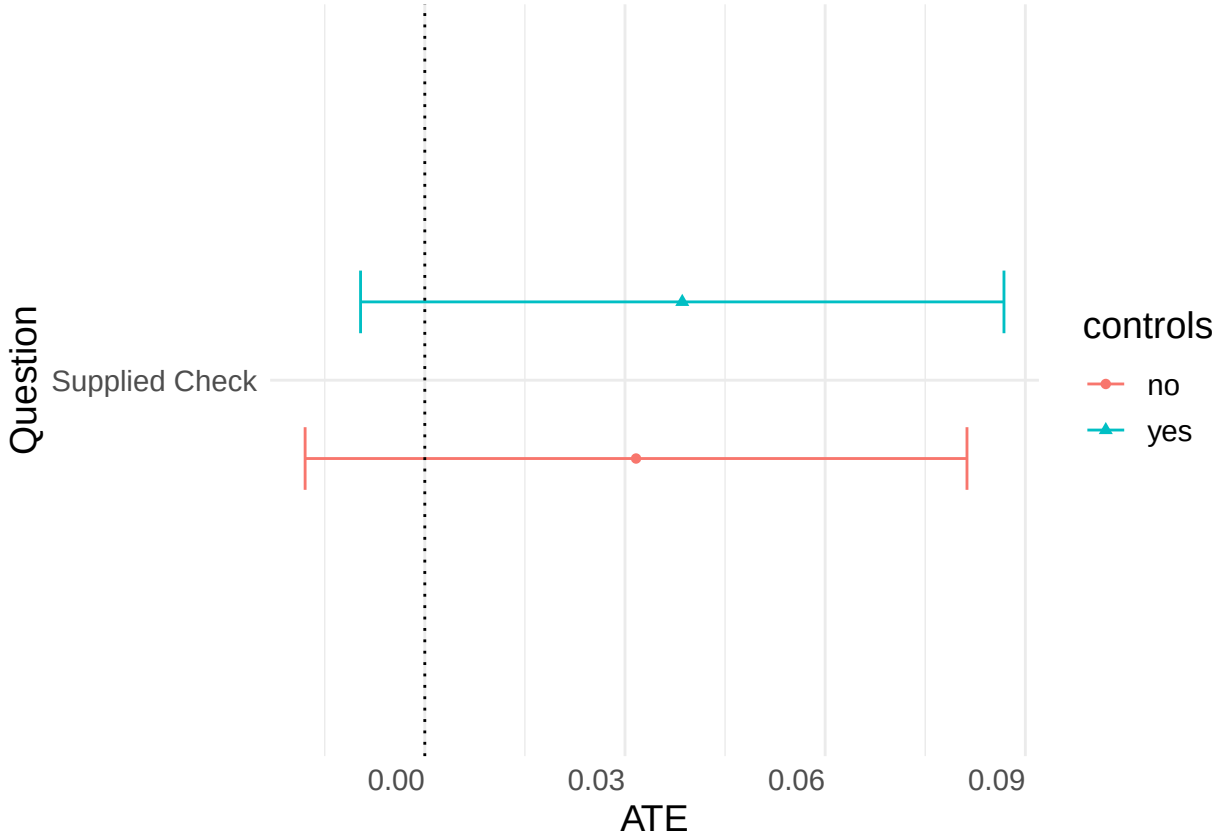



```
#   ggtitle("ATE of ICA Treatment on Substantive DVs") #removed for paper
```

Timer and AC

```
#put all the names, estimates, SEs, and behavior into one df for graphing
Results_DF <- as.data.frame(matrix(data = c(
                                   "Supplied Check", coeftest(I.Supplied_1)[2, 1:2], "no",
                                   "Supplied Check", coeftest(I.Supplied_5)[2, 1:2], "yes"
                                   ),
                                   ncol = 4, byrow = TRUE))

colnames(Results_DF) <- c("dv", "estimate", "se", "controls")

#making into correct operators
Results_DF$dv <- factor(Results_DF$dv, levels = c("Supplied Check"))
Results_DF$estimate <- as.numeric(Results_DF$estimate)
Results_DF$se <- as.numeric(Results_DF$se)

#adding in CIs
q <- as.numeric(qnorm(p=.05/2, lower.tail=FALSE))
Results_DF$ci <- Results_DF$se*q


## graph time
pd <- position_dodge(0.5)

ggplot(Results_DF, aes(x = dv, y = estimate, color = controls))  +
```

```
  geom_point(aes(color=controls, shape=controls), position = pd) +
  geom_errorbar(aes(ymin = estimate - ci, ymax = estimate + ci), width = .2, position = pd) +
  theme_minimal() + xlab("Question") + ylab("ATE") +
  geom_hline(yintercept = 0, linetype="dotted") +
  theme(axis.text.x = element_text(hjust = 1), text = element_text(size = 14)) + coord_flip()
```




```
#   ggtitle("ATE of ICA Treatment on Attention Checks") #removed for paper
```