Data Analysis

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11/27/2022

```
d <- fread('w241_project_dataset.csv')
nrow(d)
```

```
## [1] 303
```

```
# Remove rows (only 2) with NA
d <- na.omit(d)
nrow(d)
```

```
## [1] 301
```

```
# Replace 'DATA_EXPIRED' and 'CONSENT_REVOKED' values with 'Unavailable'
d[d == 'DATA_EXPIRED'] <- 'Unavailable'
d[d == 'CONSENT_REVOKED'] <- 'Unavailable'

head(d)
```

```
##                PROLIFIC_PID treatment age    sex ethnicity score num_completed
## 1: 636da58a0d76bbb9167dbf3e         0  61 Female     White     2             5
## 2: 60283a386150ab34f74fd4d1         0  40 Female     White     1             2
## 3: 613ff660c89cf7ae6ae69654         0  19   Male     Mixed     2             2
## 4: 622ac616f7c72a6ab02d06b9         0  73 Female     White     0             4
## 5: 5967862f965b0b000108cf31         0  62 Female     White     4             4
## 6: 61014669f7df8cbb68565e2c         0  24 Female     White     2             5
```

```
# Split data table by treatment value
d_treatment <- d[treatment==1,]
d_control <- d[treatment==0,]
head(d_control)
```

```
##                PROLIFIC_PID treatment age    sex ethnicity score num_completed
## 1: 636da58a0d76bbb9167dbf3e         0  61 Female     White     2             5
## 2: 60283a386150ab34f74fd4d1         0  40 Female     White     1             2
## 3: 613ff660c89cf7ae6ae69654         0  19   Male     Mixed     2             2
## 4: 622ac616f7c72a6ab02d06b9         0  73 Female     White     0             4
## 5: 5967862f965b0b000108cf31         0  62 Female     White     4             4
## 6: 61014669f7df8cbb68565e2c         0  24 Female     White     2             5
```

```r
# Unique values and counts

# Sex
d[, .(count = .N), by = sex]
```

```
##                  sex count
## 1:            Female   156
## 2:              Male   139
## 3:       Unavailable     3
## 4: Prefer not to say     3
```

```r
# Ethnicity
d[, .(count = .N), by = ethnicity]
```

```
##      ethnicity count
## 1:       White   210
## 2:       Mixed    18
## 3:       Black    17
## 4:       Asian    33
## 5: Unavailable     9
## 6:       Other    14
```

```r
# Score
d[, .(count = .N), by = score]
```

```
##    score count
## 1:     2    72
## 2:     1    46
## 3:     0    23
## 4:     4    80
## 5:     3    73
## 6:     5     7
```

```r
# Age
d[, .(count = .N), by = age]
```

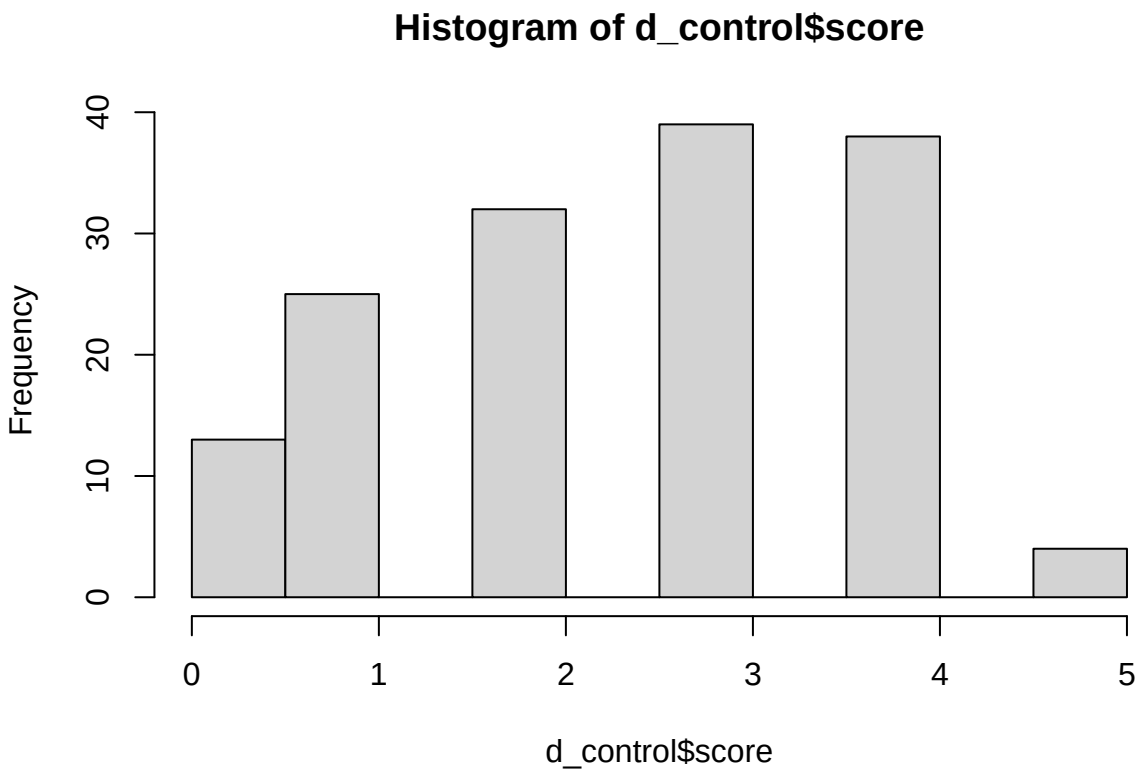
```
##             age count
##  1:          61     1
##  2:          40    11
##  3:          19     7
##  4:          73     2
##  5:          62     1
##  6:          24    18
##  7:          36     8
##  8:          26    11
##  9:          47     4
## 10:          20    11
## 11:          27    13
## 12:          25    13
## 13:          32    14
## 14:          39     7
```

```
## 15:          29    11
## 16:          28    13
## 17:          43     3
## 18:          33     8
## 19:          22    12
## 20:          38     6
## 21:          50     5
## 22:          60     3
## 23:          55     3
## 24:          45     5
## 25:          30     8
## 26:          46     2
## 27:          58     2
## 28:          51     2
## 29:          31    12
## 30:          21     6
## 31:          37     5
## 32:          67     2
## 33:          23    18
## 34:          65     1
## 35:          56     3
## 36:          18     2
## 37:          59     2
## 38:          35     4
## 39:          41     9
## 40:          34     5
## 41:          52     2
## 42:          48     4
## 43:          57     2
## 44:          63     1
## 45:          77     1
## 46: Unavailable     3
## 47:          76     1
## 48:          71     2
## 49:          64     3
## 50:          54     3
## 51:          72     1
## 52:          44     1
## 53:          74     1
## 54:          42     1
## 55:          49     1
## 56:          53     1
##             age count
```

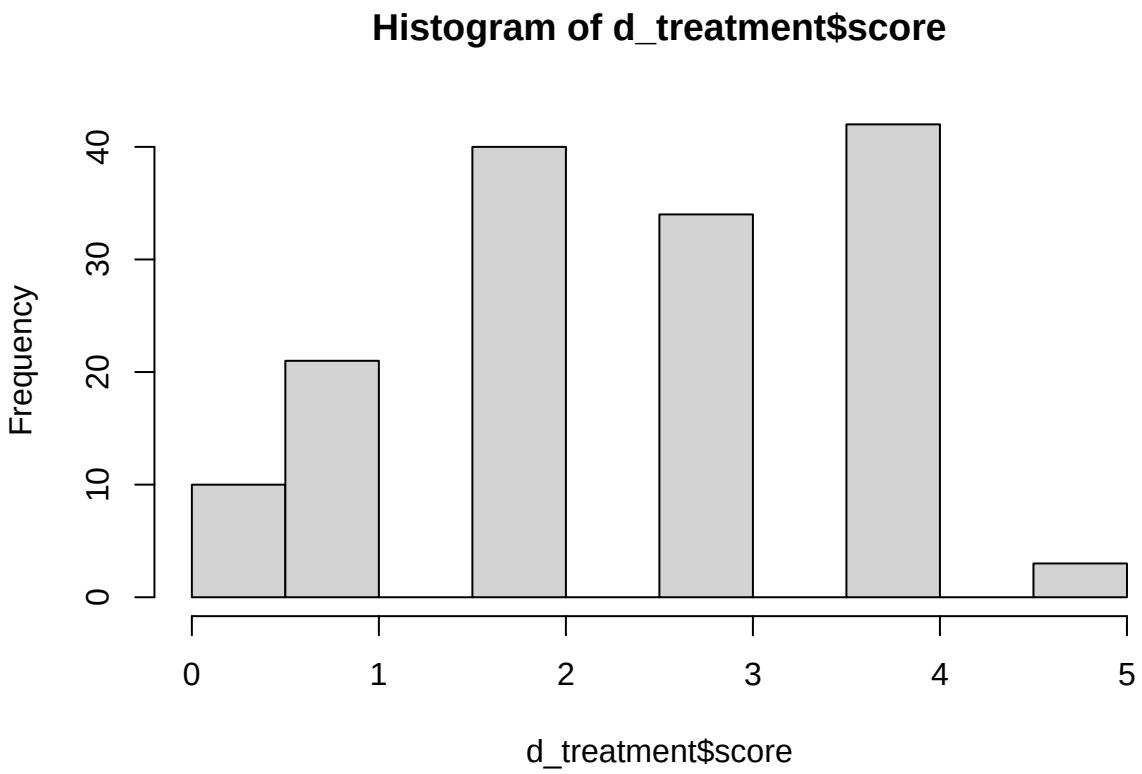
```
# Treatment
d[, .(count = .N), by = treatment]
```

```
##    treatment count
## 1:         0   151
## 2:         1   150
```

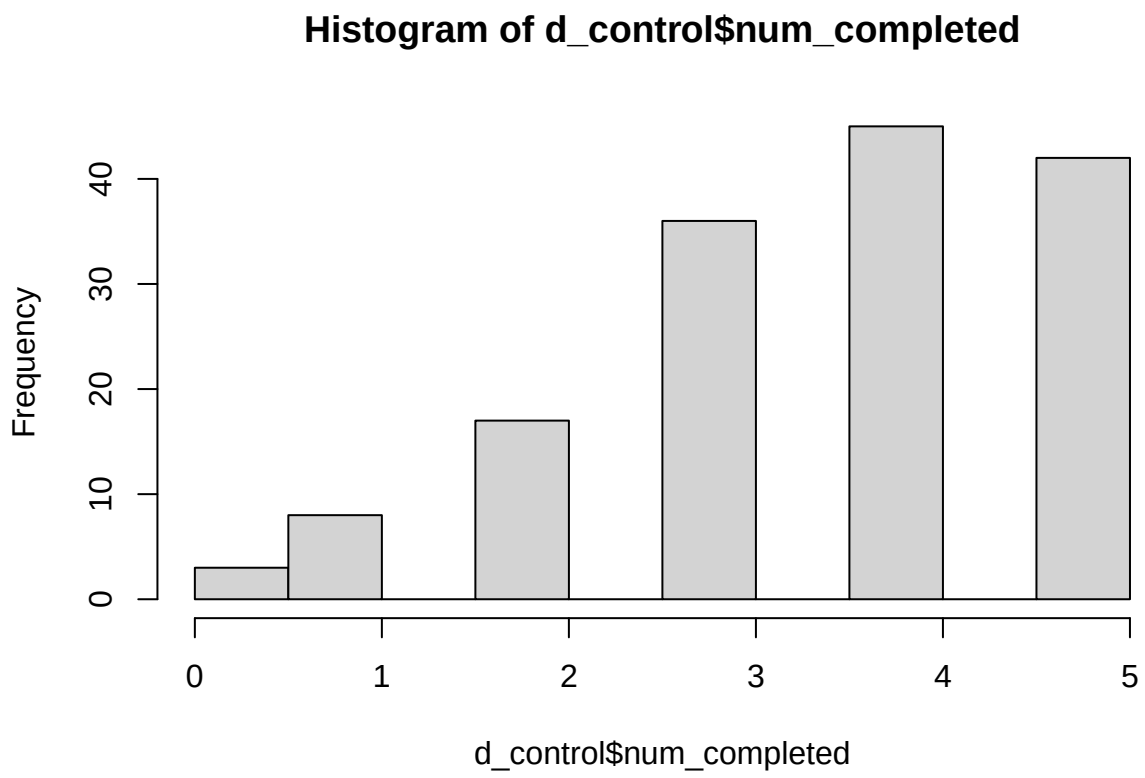
```
# Hist of scores
hist(d_control$score)
```



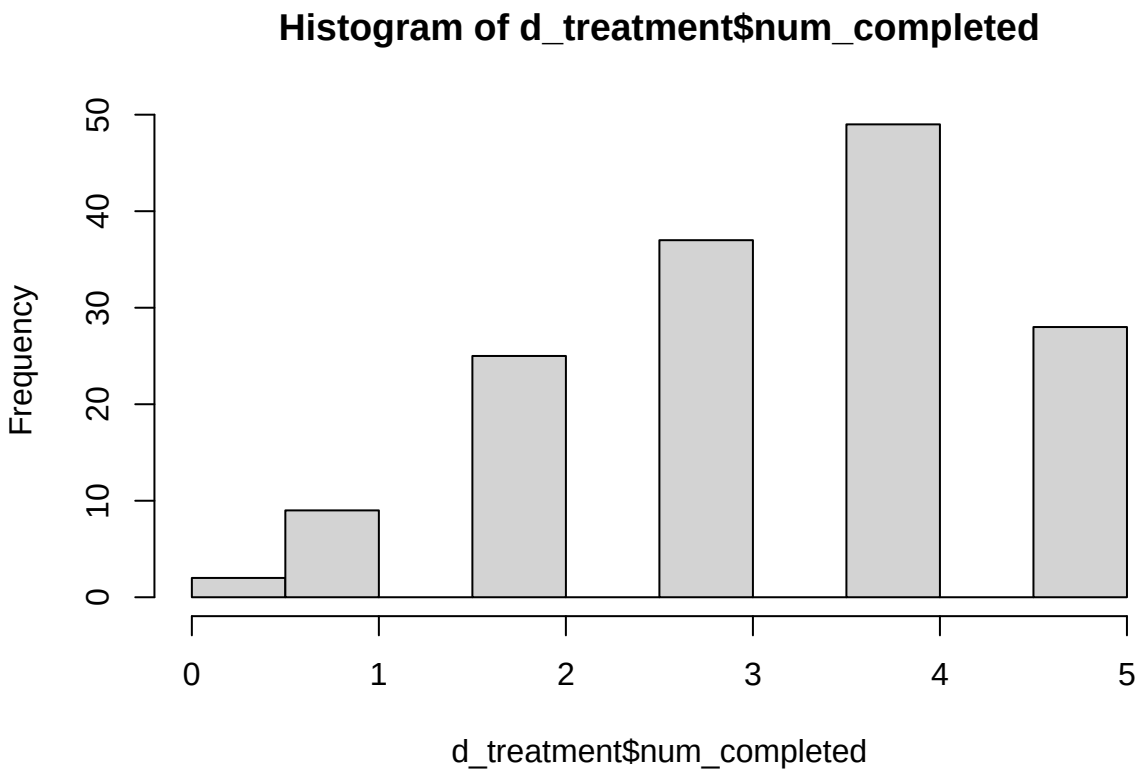

```
hist(d_treatment$score)
```




```
# Hist of num questions completed
hist(d_control$num_completed)
```




```
hist(d_treatment$num_completed)
```



1 Regressions

```
# Basic regression
mod_basic <- lm(score ~ treatment , d)
coeftest(mod_basic, vcov. = vcovHC(mod_basic),type='HC1')
```

```
##
## t test of coefficients:
##
##             Estimate Std. Error t value Pr(>|t|)
## (Intercept) 2.503311   0.108679 23.0341   <2e-16 ***
## treatment   0.070022   0.150508  0.4652   0.6421
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
stargazer(mod_basic,type='text')
```

```
##
## ===============================================
##                         Dependent variable:
##                     ---------------------------
##                                score
```

```
## ------------------------------------------------
## treatment                       0.070
##                                (0.150)
##
## Constant                       2.503***
##                                (0.106)
##
## ------------------------------------------------
## Observations                     301
## R2                               0.001
## Adjusted R2                     -0.003
## Residual Std. Error       1.301 (df = 299)
## F Statistic              0.218 (df = 1; 299)
## ================================================
## Note:                *p<0.1; **p<0.05; ***p<0.01
```

```
# Second regression
mod_sex <- lm(score ~ treatment + ethnicity, d)
coeftest(mod_sex, vcov. = vcovHC(mod_sex),type='HC1')
```

```
##
## t test of coefficients:
##
##                        Estimate Std. Error t value  Pr(>|t|)
## (Intercept)            2.857172   0.204299 13.9852 < 2.2e-16 ***
## treatment              0.044582   0.149725  0.2978  0.766096
## ethnicityBlack        -0.645480   0.372358 -1.7335  0.084056 .
## ethnicityMixed        -0.551084   0.362156 -1.5217  0.129166
## ethnicityOther        -1.155624   0.384942 -3.0021  0.002912 **
## ethnicityUnavailable -0.654764   0.613775 -1.0668  0.286945
## ethnicityWhite        -0.284438   0.217838 -1.3057  0.192665
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
stargazer(mod_sex,type='text')
```

```
##
## ================================================
##                          Dependent variable:
##                      ---------------------------
##                                 score
## ------------------------------------------------
## treatment                       0.045
##                                (0.150)
##
## ethnicityBlack                 -0.645*
##                                (0.385)
##
## ethnicityMixed                 -0.551
##                                (0.379)
##
## ethnicityOther                -1.156***
##                                (0.413)
```

```
##
## ethnicityUnavailable           -0.655
##                                (0.485)
##
## ethnicityWhite                 -0.284
##                                (0.242)
##
## Constant                      2.857***
##                                (0.236)
##
## ------------------------------------------------
## Observations                     301
## R2                              0.034
## Adjusted R2                     0.015
## Residual Std. Error       1.290 (df = 294)
## F Statistic              1.740 (df = 6; 294)
## ================================================
## Note:                *p<0.1; **p<0.05; ***p<0.01
```

```
# Third regression
mod_mult <- lm(score ~ treatment + ethnicity + sex, d)
coeftest(mod_mult, vcov. = vcovHC(mod_mult),type='HC1')
```

```
##
## t test of coefficients:
##
##                        Estimate Std. Error t value  Pr(>|t|)
## (Intercept)            2.757053   0.235151 11.7246 < 2.2e-16 ***
## treatment              0.065877   0.148921  0.4424 0.6585569
## ethnicityBlack        -0.582781   0.388805 -1.4989 0.1349832
## ethnicityMixed        -0.606337   0.371041 -1.6341 0.1033087
## ethnicityOther        -1.125087   0.384221 -2.9282 0.0036783 **
## ethnicityUnavailable -0.273363   0.678781 -0.4027 0.6874449
## ethnicityWhite        -0.264392   0.223250 -1.1843 0.2372663
## sexMale                0.148162   0.159728  0.9276 0.3543898
## sexPrefer not to say   0.932695   0.375020  2.4871 0.0134409 *
## sexUnavailable        -1.530598   0.421562 -3.6308 0.0003338 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
stargazer(mod_mult,type='text')
```

```
##
## ================================================
##                          Dependent variable:
##                      ---------------------------
##                                  score
## ------------------------------------------------
## treatment                        0.066
##                                 (0.149)
##
## ethnicityBlack                  -0.583
##                                 (0.389)
```

```
##
## ethnicityMixed                 -0.606
##                                (0.379)
##
## ethnicityOther                -1.125***
##                                (0.411)
##
## ethnicityUnavailable           -0.273
##                                (0.515)
##
## ethnicityWhite                 -0.264
##                                (0.241)
##
## sexMale                         0.148
##                                (0.152)
##
## sexPrefer not to say            0.933
##                                (0.755)
##
## sexUnavailable                 -1.531*
##                                (0.807)
##
## Constant                      2.757***
##                                (0.253)
##
## ------------------------------------------------
## Observations                     301
## R2                              0.054
## Adjusted R2                     0.025
## Residual Std. Error       1.283 (df = 291)
## F Statistic             1.860* (df = 9; 291)
## ================================================
## Note:                *p<0.1; **p<0.05; ***p<0.01
```

```
# Fourth regression (interaction term)
mod_interaction <- lm(score ~ treatment + ethnicity + sex + ethnicity*sex, d)
coeftest(mod_interaction, vcov. = vcovHC(mod_interaction),type='HC1')
```

```
##
## t test of coefficients:
##
##                                  Estimate Std. Error t value Pr(>|t|)
## (Intercept)                      2.894827        NaN     NaN      NaN
## treatment                        0.061209        NaN     NaN      NaN
## ethnicityBlack                  -0.715517        NaN     NaN      NaN
## ethnicityMixed                  -0.258764        NaN     NaN      NaN
## ethnicityOther                  -1.542780        NaN     NaN      NaN
## ethnicityUnavailable             0.059267        NaN     NaN      NaN
## ethnicityWhite                  -0.438669        NaN     NaN      NaN
## sexMale                         -0.075431        NaN     NaN      NaN
## sexPrefer not to say             1.013238        NaN     NaN      NaN
## sexUnavailable                  -1.517366        NaN     NaN      NaN
## ethnicityBlack:sexMale           0.209052        NaN     NaN      NaN
## ethnicityMixed:sexMale          -0.514238        NaN     NaN      NaN
```

```
## ethnicityOther:sexMale                0.879850        NaN     NaN      NaN
## ethnicityUnavailable:sexMale         -0.878662        NaN     NaN      NaN
## ethnicityWhite:sexMale                0.306781        NaN     NaN      NaN
## ethnicityMixed:sexPrefer not to say -0.649300        NaN     NaN      NaN
## ethnicityUnavailable:sexUnavailable -0.467331        NaN     NaN      NaN
```

```
stargazer(mod_interaction,type='text')
```

```
##
## ===============================================================
##                                         Dependent variable:
##                                     ---------------------------
##                                               score
## ---------------------------------------------------------------
## treatment                                      0.061
##                                               (0.152)
##
## ethnicityBlack                                -0.716
##                                               (0.497)
##
## ethnicityMixed                                -0.259
##                                               (0.637)
##
## ethnicityOther                               -1.543***
##                                               (0.580)
##
## ethnicityUnavailable                           0.059
##                                               (0.739)
##
## ethnicityWhite                                -0.439
##                                               (0.378)
##
## sexMale                                       -0.075
##                                               (0.460)
##
## sexPrefer not to say                           1.013
##                                               (0.921)
##
## sexUnavailable                                -1.517
##                                               (1.298)
##
## ethnicityBlack:sexMale                         0.209
##                                               (0.942)
##
## ethnicityMixed:sexMale                        -0.514
##                                               (0.801)
##
## ethnicityOther:sexMale                         0.880
##                                               (0.836)
##
## ethnicityUnavailable:sexMale                  -0.879
##                                               (1.094)
##
## ethnicityWhite:sexMale                         0.307
```

```
##                                                    (0.494)
##
## ethnicityBlack:sexPrefer not to say
##
##
## ethnicityMixed:sexPrefer not to say                -0.649
##                                                    (1.672)
##
## ethnicityOther:sexPrefer not to say
##
##
## ethnicityUnavailable:sexPrefer not to say
##
##
## ethnicityWhite:sexPrefer not to say
##
##
## ethnicityBlack:sexUnavailable
##
##
## ethnicityMixed:sexUnavailable
##
##
## ethnicityOther:sexUnavailable
##
##
## ethnicityUnavailable:sexUnavailable                -0.467
##                                                    (1.715)
##
## ethnicityWhite:sexUnavailable
##
##
## Constant                                          2.895***
##                                                    (0.365)
##
## ------------------------------------------------------------------------
## Observations                                          301
## R2                                                   0.067
## Adjusted R2                                          0.015
## Residual Std. Error                            1.290 (df = 284)
## F Statistic                                   1.276 (df = 16; 284)
## ========================================================================
## Note:                                       *p<0.1; **p<0.05; ***p<0.01
```

```
# Fifth regression
mod5 <- lm(score ~ treatment + sex + treatment*sex, d)
coeftest(mod5, vcov. = vcovHC(mod5),type='HC1')
```

```
##
## t test of coefficients:
##
##                              Estimate Std. Error t value Pr(>|t|)
## (Intercept)                   2.32051        NaN     NaN      NaN
## treatment                     0.28205        NaN     NaN      NaN
```

```
## sexMale                          0.39377        NaN     NaN      NaN
## sexPrefer not to say             0.67949        NaN     NaN      NaN
## sexUnavailable                  -1.32051        NaN     NaN      NaN
## treatment:sexMale               -0.43112        NaN     NaN      NaN
## treatment:sexPrefer not to say   0.71795        NaN     NaN      NaN
## treatment:sexUnavailable        -0.28205        NaN     NaN      NaN
```

```
stargazer(mod5,type='text')
```

```
##
## ===========================================================
##                                    Dependent variable:
##                                ---------------------------
##                                           score
## -----------------------------------------------------------
## treatment                                  0.282
##                                           (0.207)
##
## sexMale                                   0.394*
##                                           (0.213)
##
## sexPrefer not to say                       0.679
##                                           (0.927)
##
## sexUnavailable                            -1.321
##                                           (1.303)
##
## treatment:sexMale                         -0.431
##                                           (0.302)
##
## treatment:sexPrefer not to say             0.718
##                                           (1.599)
##
## treatment:sexUnavailable                  -0.282
##                                           (1.599)
##
## Constant                                 2.321***
##                                           (0.147)
##
## -----------------------------------------------------------
## Observations                                301
## R2                                         0.031
## Adjusted R2                                0.008
## Residual Std. Error                  1.294 (df = 293)
## F Statistic                         1.356 (df = 7; 293)
## ===========================================================
## Note:                           *p<0.1; **p<0.05; ***p<0.01
```

```
# Sixth regression
mod6 <- lm(score ~ treatment + ethnicity + treatment*ethnicity, d)
coeftest(mod6, vcov. = vcovHC(mod6),type='HC1')
```

```
##
```

```
## t test of coefficients:
##
##                                Estimate Std. Error t value  Pr(>|t|)
## (Intercept)                     3.00000    0.23385 12.8285 < 2.2e-16 ***
## treatment                      -0.25000    0.40718 -0.6140  0.539716
## ethnicityBlack                 -0.37500    0.41783 -0.8975  0.370207
## ethnicityMixed                 -0.28571    0.51092 -0.5592  0.576446
## ethnicityOther                 -1.50000    0.50832 -2.9509  0.003428 **
## ethnicityUnavailable           -0.80000    1.10891 -0.7214  0.471230
## ethnicityWhite                 -0.49038    0.26909 -1.8224  0.069427 .
## treatment:ethnicityBlack       -0.48611    0.74134 -0.6557  0.512526
## treatment:ethnicityMixed       -0.37338    0.73569 -0.5075  0.612177
## treatment:ethnicityOther        1.00000    0.67293  1.4860  0.138359
## treatment:ethnicityUnavailable  0.30000    1.28310  0.2338  0.815299
## treatment:ethnicityWhite        0.41963    0.44593  0.9410  0.347482
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
stargazer(mod6,type='text')
```

```
##
## ===============================================================
##                                    Dependent variable:
##                                ---------------------------
##                                           score
## ---------------------------------------------------------------
## treatment                                 -0.250
##                                           (0.450)
##
## ethnicityBlack                            -0.375
##                                           (0.554)
##
## ethnicityMixed                            -0.286
##                                           (0.580)
##
## ethnicityOther                           -1.500***
##                                           (0.515)
##
## ethnicityUnavailable                      -0.800
##                                           (0.657)
##
## ethnicityWhite                            -0.490
##                                           (0.338)
##
## treatment:ethnicityBlack                  -0.486
##                                           (0.772)
##
## treatment:ethnicityMixed                  -0.373
##                                           (0.770)
##
## treatment:ethnicityOther                   1.000
##                                           (0.887)
##
## treatment:ethnicityUnavailable             0.300
```

```
##                                          (0.976)
##
## treatment:ethnicityWhite                  0.420
##                                          (0.484)
##
## Constant                                3.000***
##                                          (0.313)
##
## ------------------------------------------------------------
## Observations                               301
## R2                                        0.049
## Adjusted R2                               0.013
## Residual Std. Error                 1.291 (df = 289)
## F Statistic                        1.353 (df = 11; 289)
## ============================================================
## Note:                           *p<0.1; **p<0.05; ***p<0.01
```

```
# Basic regression
mod2_basic <- lm(num_completed ~ treatment, d)
coeftest(mod2_basic, vcov. = vcovHC(mod2_basic),type='HC1')
```

```
##
## t test of coefficients:
##
##             Estimate Std. Error t value Pr(>|t|)
## (Intercept)  3.57616    0.10304 34.7075   <2e-16 ***
## treatment   -0.20283    0.14313 -1.4171   0.1575
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
stargazer(mod2_basic,type='text')
```

```
##
## ================================================
##                         Dependent variable:
##                     ---------------------------
##                            num_completed
## ------------------------------------------------
## treatment                     -0.203
##                               (0.143)
##
## Constant                     3.576***
##                               (0.101)
##
## ------------------------------------------------
## Observations                    301
## R2                             0.007
## Adjusted R2                    0.003
## Residual Std. Error      1.238 (df = 299)
## F Statistic             2.021 (df = 1; 299)
## ================================================
## Note:               *p<0.1; **p<0.05; ***p<0.01
```

```r
# Second regression
mod2_sex <- lm(num_completed ~ treatment + ethnicity, d)
coeftest(mod2_sex, vcov. = vcovHC(mod2_sex),type='HC1')
```

```
##
## t test of coefficients:
##
##                      Estimate Std. Error t value Pr(>|t|)
## (Intercept)           3.46667    0.19765 17.5393   <2e-16 ***
## treatment            -0.21250    0.14418 -1.4739   0.1416
## ethnicityBlack       -0.17770    0.39855 -0.4459   0.6560
## ethnicityMixed        0.16319    0.33024  0.4942   0.6216
## ethnicityOther       -0.12024    0.43629 -0.2756   0.7831
## ethnicityUnavailable  0.18333    0.52670  0.3481   0.7280
## ethnicityWhite        0.16440    0.20616  0.7975   0.4258
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```r
stargazer(mod2_sex,type='text')
```

```
##
## ================================================
##                          Dependent variable:
##                      ---------------------------
##                             num_completed
## ------------------------------------------------
## treatment                     -0.213
##                               (0.144)
##
## ethnicityBlack                -0.178
##                               (0.371)
##
## ethnicityMixed                 0.163
##                               (0.365)
##
## ethnicityOther                -0.120
##                               (0.398)
##
## ethnicityUnavailable           0.183
##                               (0.468)
##
## ethnicityWhite                 0.164
##                               (0.233)
##
## Constant                     3.467***
##                               (0.228)
##
## ------------------------------------------------
## Observations                    301
## R2                             0.014
## Adjusted R2                   -0.006
## Residual Std. Error       1.244 (df = 294)
```

```
## F Statistic              0.685 (df = 6; 294)
## ================================================
## Note:                *p<0.1; **p<0.05; ***p<0.01
```

```
# Third regression
mod2_mult <- lm(num_completed ~ treatment + ethnicity + sex, d)
coeftest(mod2_mult, vcov. = vcovHC(mod2_mult),type='HC1')
```

```
##
## t test of coefficients:
##
##                       Estimate Std. Error t value Pr(>|t|)
## (Intercept)           3.372293   0.218135 15.4597   <2e-16 ***
## treatment            -0.196077   0.144757 -1.3545   0.1766
## ethnicityBlack       -0.117178   0.399926 -0.2930   0.7697
## ethnicityMixed        0.150299   0.337540  0.4453   0.6565
## ethnicityOther       -0.091662   0.431644 -0.2124   0.8320
## ethnicityUnavailable  0.602203   0.515316  1.1686   0.2435
## ethnicityWhite        0.191707   0.210119  0.9124   0.3623
## sexMale               0.142578   0.147372  0.9675   0.3341
## sexPrefer not to say  0.181828   0.492525  0.3692   0.7123
## sexUnavailable       -1.706946   1.095332 -1.5584   0.1202
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
stargazer(mod2_mult,type='text')
```

```
##
## ================================================
##                         Dependent variable:
##                     ---------------------------
##                            num_completed
## ------------------------------------------------
## treatment                     -0.196
##                               (0.144)
##
## ethnicityBlack                -0.117
##                               (0.375)
##
## ethnicityMixed                 0.150
##                               (0.365)
##
## ethnicityOther                -0.092
##                               (0.396)
##
## ethnicityUnavailable           0.602
##                               (0.497)
##
## ethnicityWhite                 0.192
##                               (0.233)
##
## sexMale                        0.143
##                               (0.147)
```

```
##
## sexPrefer not to say            0.182
##                                (0.728)
##
## sexUnavailable                -1.707**
##                                (0.778)
##
## Constant                      3.372***
##                                (0.243)
##
## ------------------------------------------------
## Observations                     301
## R2                              0.034
## Adjusted R2                     0.004
## Residual Std. Error       1.237 (df = 291)
## F Statistic              1.147 (df = 9; 291)
## ================================================
## Note:                *p<0.1; **p<0.05; ***p<0.01
```

```
# Fourth regression (interaction term)
mod2_interaction <- lm(num_completed ~ treatment + ethnicity + sex + ethnicity*sex, d)
coeftest(mod2_interaction, vcov. = vcovHC(mod2_interaction),type='HC1')
```

```
##
## t test of coefficients:
##
##                                      Estimate Std. Error t value Pr(>|t|)
## (Intercept)                           3.61792        NaN     NaN      NaN
## treatment                            -0.17215        NaN     NaN      NaN
## ethnicityBlack                       -0.51954        NaN     NaN      NaN
## ethnicityMixed                       -0.19851        NaN     NaN      NaN
## ethnicityOther                       -0.80336        NaN     NaN      NaN
## ethnicityUnavailable                  0.26120        NaN     NaN      NaN
## ethnicityWhite                       -0.03712        NaN     NaN      NaN
## sexMale                              -0.28184        NaN     NaN      NaN
## sexPrefer not to say                  0.00528        NaN     NaN      NaN
## sexUnavailable                       -2.40864        NaN     NaN      NaN
## ethnicityBlack:sexMale                1.24085        NaN     NaN      NaN
## ethnicityMixed:sexMale                0.53309        NaN     NaN      NaN
## ethnicityOther:sexMale                1.49598        NaN     NaN      NaN
## ethnicityUnavailable:sexMale          0.40273        NaN     NaN      NaN
## ethnicityWhite:sexMale                0.37225        NaN     NaN      NaN
## ethnicityMixed:sexPrefer not to say   0.57531        NaN     NaN      NaN
## ethnicityUnavailable:sexUnavailable   1.11561        NaN     NaN      NaN
```

```
stargazer(mod2_interaction,type='text')
```

```
##
## ========================================================================
##                                            Dependent variable:
##                                        ---------------------------
##                                              num_completed
## ------------------------------------------------------------------------
```

```
## treatment                                          -0.172
##                                                    (0.146)
##
## ethnicityBlack                                     -0.520
##                                                    (0.478)
##
## ethnicityMixed                                     -0.199
##                                                    (0.612)
##
## ethnicityOther                                     -0.803
##                                                    (0.558)
##
## ethnicityUnavailable                                0.261
##                                                    (0.711)
##
## ethnicityWhite                                     -0.037
##                                                    (0.364)
##
## sexMale                                            -0.282
##                                                    (0.442)
##
## sexPrefer not to say                                0.005
##                                                    (0.885)
##
## sexUnavailable                                     -2.409*
##                                                    (1.249)
##
## ethnicityBlack:sexMale                              1.241
##                                                    (0.906)
##
## ethnicityMixed:sexMale                              0.533
##                                                    (0.770)
##
## ethnicityOther:sexMale                             1.496*
##                                                    (0.804)
##
## ethnicityUnavailable:sexMale                        0.403
##                                                    (1.052)
##
## ethnicityWhite:sexMale                              0.372
##                                                    (0.475)
##
## ethnicityBlack:sexPrefer not to say
##
##
## ethnicityMixed:sexPrefer not to say                 0.575
##                                                    (1.608)
##
## ethnicityOther:sexPrefer not to say
##
##
## ethnicityUnavailable:sexPrefer not to say
##
##
```

```
## ethnicityWhite:sexPrefer not to say
##
##
## ethnicityBlack:sexUnavailable
##
##
## ethnicityMixed:sexUnavailable
##
##
## ethnicityOther:sexUnavailable
##
##
## ethnicityUnavailable:sexUnavailable                  1.116
##                                                     (1.649)
##
## ethnicityWhite:sexUnavailable
##
##
## Constant                                           3.618***
##                                                     (0.351)
##
## ------------------------------------------------------------------------
## Observations                                          301
## R2                                                   0.052
## Adjusted R2                                         -0.002
## Residual Std. Error                           1.241 (df = 284)
## F Statistic                                  0.967 (df = 16; 284)
## ========================================================================
## Note:                                      *p<0.1; **p<0.05; ***p<0.01
```