```
                                                    ___  ____  ____
____  ____(R)
                                                   /__    /
____/   /   ____/
                                                  ___/   /   /
___/   /   /___/
                                                    Statistics/Data
Analysis


       ___  ____  ____  ____  ____ (R)
      /__    /   ____/   /   ____/
     ___/   /   /___/   /   /___/   15.1   Copyright 1985-2017
StataCorp LLC
       Statistics/Data Analysis            StataCorp
                                           4905 Lakeway Drive
          Special Edition                  College Station, Texas
77845 USA
                                           800-STATA-PC
http://www.stata.com
                                           979-696-4600
stata@stata.com
                                           979-696-4601 (fax)

     Single-user Stata perpetual license:
            Serial number:  401506229186
              Licensed to:  Carrie Roush
                            Florida State University

     Notes:
           1.  Unicode is supported; see help unicode_advice.
           2.  Maximum number of variables is set to 5000; see help
set_maxvar.

     Checking for updates...
     (contacting http://www.stata.com)

     Update status
         Last check for updates:  05 Mar 2021
         New update available:    none         (as of 05 Mar 2021)
         Current update level:    03 Feb 2020  (what's new)

     Possible actions

         Do nothing; all files are up to date.

     Click to edit automatic update checking preferences

    1 . do "/var/folders/4n/3bt7kbhs6vgdxb_199pp1pk80000gn/T//
SD41461.000000"
```

```
     2 .
     3 . ** Set WD
     4 . cd "~/Dropbox/turk/replication_public/data/"
      /Users/carrieroush/Dropbox/turk/replication_public/data

     5 .
     6 . ** Load data
     7 . insheet using "turk_08_17_2018/turk_recoded_public.csv",
clear names
      (212 vars, 2,000 obs)

     8 .
     9 . **Generating dummies for various indicators of low quality
responding from IPs
    10 . **The "tabs" lead to numbers produced in Table 1
    11 . **These numbers are also repeated in row 1 of Table 3
    12 .
    13 . gen black=1 if blacklisted=="TRUE"
      (1,679 missing values generated)

    14 . replace black=0 if blacklisted=="FALSE"
      (1,670 real changes made)

    15 . tab black

          black |      Freq.     Percent        Cum.
      ------------+-----------------------------------
              0 |      1,670       83.88       83.88
              1 |        321       16.12      100.00
      ------------+-----------------------------------
          Total |      1,991      100.00

    16 .
    17 . gen miss=1 if missing_ip=="TRUE"
      (1,991 missing values generated)

    18 . replace miss=0 if missing_ip=="FALSE"
      (1,991 real changes made)

    19 . tab miss

           miss |      Freq.     Percent        Cum.
      ------------+-----------------------------------
              0 |      1,991       99.55       99.55
              1 |          9        0.45      100.00
      ------------+-----------------------------------
          Total |      2,000      100.00

    20 .
```

```
21 . gen dup=1 if duplicated=="TRUE"
  (1,894 missing values generated)

22 . replace dup=0 if duplicated=="FALSE"
  (1,885 real changes made)

23 . tab dup

         dup |      Freq.     Percent        Cum.
  -----------+-----------------------------------
           0 |      1,885       94.68       94.68
           1 |        106        5.32      100.00
  -----------+-----------------------------------
       Total |      1,991      100.00

24 .
25 . gen foreign=1 if foreign_ip=="TRUE"
  (1,881 missing values generated)

26 . replace foreign=0 if foreign_ip=="FALSE"
  (1,870 real changes made)

27 . tab foreign

      foreign |      Freq.     Percent        Cum.
  ------------+-----------------------------------
            0 |      1,870       94.02       94.02
            1 |        119        5.98      100.00
  ------------+-----------------------------------
       Total |      1,989      100.00

28 .
29 . *any of the above
30 . gen funny=1 if funny_ip=="TRUE"
  (1,594 missing values generated)

31 . replace funny=0 if funny_ip=="FALSE"
  (1,594 real changes made)

32 . tab funny

        funny |      Freq.     Percent        Cum.
  ------------+-----------------------------------
            0 |      1,594       79.70       79.70
            1 |        406       20.30      100.00
  ------------+-----------------------------------
       Total |      2,000      100.00

33 .
34 . **Generating dummies for low-incidence screener questions
```

```
35 . **The "tabs" lead to numbers produced in Table 2
36 .
37 . gen prosthetic_troll=0 if prosthetic=="0"|prosthetic=="NA"
  (91 missing values generated)

38 . replace prosthetic_troll=1 if prosthetic=="1"
  (91 real changes made)

39 . tab prosthetic_troll

  prosthetic_ |
       troll |      Freq.     Percent        Cum.
  ------------+-----------------------------------
           0 |      1,909       95.45       95.45
           1 |         91        4.55      100.00
  ------------+-----------------------------------
       Total |      2,000      100.00

40 .
41 . gen blind_troll=0 if blind=="0"|blind=="NA"
  (184 missing values generated)

42 . replace blind_troll=1 if blind=="1"
  (184 real changes made)

43 . tab blind_troll

  blind_troll |      Freq.     Percent        Cum.
  ------------+-----------------------------------
           0 |      1,816       90.80       90.80
           1 |        184        9.20      100.00
  ------------+-----------------------------------
       Total |      2,000      100.00

44 .
45 . gen deaf_troll=0 if deaf=="0"|blind=="NA"
  (109 missing values generated)

46 . replace deaf_troll=1 if deaf=="1"
  (109 real changes made)

47 . tab deaf_troll

   deaf_troll |      Freq.     Percent        Cum.
  ------------+-----------------------------------
           0 |      1,891       94.55       94.55
           1 |        109        5.45      100.00
  ------------+-----------------------------------
       Total |      2,000      100.00
```

```
48 .
49 . gen gang_resp_troll=0 if gang_resp=="0"|gang_resp=="NA"
  (88 missing values generated)

50 . replace gang_resp_troll=1 if gang_resp=="1"
  (88 real changes made)

51 . tab gang_resp_troll

  gang_resp_t |
         roll |      Freq.     Percent        Cum.
  ------------+-----------------------------------
            0 |      1,912       95.60       95.60
            1 |         88        4.40      100.00
  ------------+-----------------------------------
        Total |      2,000      100.00

52 .
53 . gen gang_fam_troll=0 if gang_fam=="0"|gang_fam=="NA"
  (123 missing values generated)

54 . replace gang_fam_troll=1 if gang_fam=="1"
  (123 real changes made)

55 . tab gang_fam_troll

  gang_fam_tr |
          oll |      Freq.     Percent        Cum.
  ------------+-----------------------------------
            0 |      1,877       93.85       93.85
            1 |        123        6.15      100.00
  ------------+-----------------------------------
        Total |      2,000      100.00

56 .
57 . gen troll_sleep=0 if sleep=="0"|sleep=="NA"
  (28 missing values generated)

58 . replace troll_sleep=1 if sleep=="1"
  (28 real changes made)

59 . tab troll_sleep

  troll_sleep |      Freq.     Percent        Cum.
  ------------+-----------------------------------
            0 |      1,972       98.60       98.60
            1 |         28        1.40      100.00
  ------------+-----------------------------------
        Total |      2,000      100.00
```

```
    60 .
    61 .
*****************************************************************
    62 . *see figure_1.do in replication files for estimates of
trolling
    63 .
*****************************************************************
    64 .
    65 . **Two or more rare behaviors/traits
    66 .
    67 . egen troll_index=rowtotal(prosthetic_troll blind_troll
deaf_troll gang_resp_troll gang_fam_troll troll_sleep)

    68 . tab troll_index

  troll_index |      Freq.     Percent        Cum.
  ------------+-----------------------------------
            0 |      1,676       83.80       83.80
            1 |        199        9.95       93.75
            2 |         52        2.60       96.35
            3 |         19        0.95       97.30
            4 |          9        0.45       97.75
            5 |         43        2.15       99.90
            6 |          2        0.10      100.00
  ------------+-----------------------------------
        Total |      2,000      100.00

    69 . gen likely_troll=1 if troll_index>1
  (1,875 missing values generated)

    70 . replace likely_troll=0 if troll_index<2
  (1,875 real changes made)

    71 . tab likely_troll

  likely_trol |
            l |      Freq.     Percent        Cum.
  ------------+-----------------------------------
            0 |      1,875       93.75       93.75
            1 |        125        6.25      100.00
  ------------+-----------------------------------
        Total |      2,000      100.00

    72 .
    73 . **Proportion of bad actors (classified by bad IPs or trolls)
    74 . gen troll=0 if likely_troll==0 & funny==0
  (493 missing values generated)

    75 . replace troll=1 if likely_troll==1|funny==1
  (493 real changes made)
```

```
    76 . tab troll

          troll |      Freq.     Percent        Cum.
      ------------+-----------------------------------
              0 |      1,507       75.35       75.35
              1 |        493       24.65      100.00
      ------------+-----------------------------------
          Total |      2,000      100.00

    77 .         *24.65%, noted in Table 4, row 1
    78 .
    79 . ** Generate self-reported sincerity measure
    80 . gen insincere_dummy = .
      (2,000 missing values generated)

    81 . replace insincere_dummy = 1 if trolling == "3" |trolling ==
"4"| trolling == "5"
      (175 real changes made)

    82 . replace insincere_dummy = 0 if trolling == "1"| trolling ==
"2"
      (1,815 real changes made)

    83 . tab insincere_dummy

      insincere_d |
             ummy |      Freq.     Percent        Cum.
      ------------+-----------------------------------
              0 |      1,815       91.21       91.21
              1 |        175        8.79      100.00
      ------------+-----------------------------------
          Total |      1,990      100.00

    84 . *8.79% admit to responding insincerely "always" or "almost
always" - reported in manuscript
    85 .
    86 . ** Association between various measures of LQ responding
    87 . tab insincere_dummy likely_troll, col chi

      +-------------------+
      | Key               |
      |-------------------|
      |     frequency     |
      | column percentage |
      +-------------------+

      insincere_ |     likely_troll
           dummy |         0          1 |     Total
      -----------+----------------------+----------
```

```
           0 |     1,742          73 |     1,815
             |     93.40      58.40 |     91.21
-----------+----------------------+----------
           1 |       123          52 |       175
             |      6.60      41.60 |      8.79
-----------+----------------------+----------
       Total |     1,865         125 |     1,990
             |    100.00     100.00 |    100.00

          Pearson chi2(1) = 178.9712   Pr = 0.000

. *93% of people not tagged for trolling "never" or "rarely" answer humorously/insincerely - reported in manuscript
. tab insincere_dummy likely_troll, col chi

  +-------------------+
  | Key               |
  |-------------------|
  |     frequency     |
  | column percentage |
  +-------------------+

  insincere_ |     likely_troll
       dummy |         0          1 |     Total
-----------+----------------------+----------
           0 |     1,742          73 |     1,815
             |     93.40      58.40 |     91.21
-----------+----------------------+----------
           1 |       123          52 |       175
             |      6.60      41.60 |      8.79
-----------+----------------------+----------
       Total |     1,865         125 |     1,990
             |    100.00     100.00 |    100.00

          Pearson chi2(1) = 178.9712   Pr = 0.000

. *58% of 125 tolls say they answer sincerely
. tab funny likely_troll

             |     likely_troll
       funny |         0          1 |     Total
-----------+----------------------+----------
           0 |     1,507          87 |     1,594
           1 |       368          38 |       406
-----------+----------------------+----------
       Total |     1,875         125 |     2,000

. tab funny likely_troll, col chi

  +-------------------+
```

```
| Key               |
|-------------------|
|     frequency     |
| column percentage |
+-------------------+

           |     likely_troll
     funny |         0          1 |     Total
-----------+----------------------+----------
         0 |     1,507         87 |     1,594
           |     80.37      69.60 |     79.70
-----------+----------------------+----------
         1 |       368         38 |       406
           |     19.63      30.40 |     20.30
-----------+----------------------+----------
     Total |     1,875        125 |     2,000
           |    100.00     100.00 |    100.00

           Pearson chi2(1) =   8.4067   Pr = 0.004
```

```
    93 . *how many people from bad IP addresses reported being
insincere? 38/406 = 9.4% - reported in manuscript
    94 . *how many people from non-suspicious IP addresses admitted to
being insincere? 87/1594 = 5.45% - reported in manuscript
    95 .
    96 . ** Timing
    97 . replace durationinseconds = "" if durationinseconds == "NA"
      (9 real changes made)

    98 . destring durationinseconds, gen(time)
      durationinseconds: all characters numeric; time generated as int
      (9 missing values generated)

    99 . sum time, d

                            time
      -------------------------------------------------------------
            Percentiles      Smallest
       1%           204            138
       5%           284            148
      10%           330            160       Obs               1,991
      25%           426            162       Sum of Wgt.       1,991

      50%           573                      Mean           679.5495
                              Largest       Std. Dev.      410.3904
      75%           785           3310
      90%          1173           3315       Variance       168420.3
      95%          1463           3418       Skewness       2.614865
      99%          2290           4404       Kurtosis       14.04696
```

```
   100 .         *median response time = 573 seconds, or about 9
minutes and 33 seconds
   101 .         *generating outlier variables based on "time outside
whiskers" in the box plot
   102 .         *anything outside 167% of the IQR gets classified as
"fast" or "slow"
   103 .         *25th percentile = 426; 75th percentile = 785
   104 .
   105 . display (573 - 426) * (5/3) /* 245 */
      245

   106 . gen fast = 0

   107 . replace fast = 1 if time <= 245
      (41 real changes made)

   108 . tab fast

           fast |      Freq.     Percent        Cum.
      ------------+-----------------------------------
              0 |      1,959       97.95       97.95
              1 |         41        2.05      100.00
      ------------+-----------------------------------
          Total |      2,000      100.00

   109 . *2.05% are fast
   110 .
   111 . display (785 - 573) * (5/3) + 785 /* 1138 */
      1138.3333

   112 . gen slow = 0

   113 . replace slow = 1 if time > 1138
      (233 real changes made)

   114 . tab slow

           slow |      Freq.     Percent        Cum.
      ------------+-----------------------------------
              0 |      1,767       88.35       88.35
              1 |        233       11.65      100.00
      ------------+-----------------------------------
          Total |      2,000      100.00

   115 . *11.65% are slow
   116 .
   117 . * Are suspicious respondents faster or slower?
   118 .
   119 . reg time troll /* trolls 166 seconds slower */
```

```
      Source |       SS           df       MS      Number of obs
=     1,991
-------------+----------------------------------   F(1, 1989)
=     61.67
       Model |    10078406         1    10078406   Prob > F
=    0.0000
    Residual |   325078019     1,989  163437.918   R-squared
=    0.0301
-------------+----------------------------------   Adj R-squared
=    0.0296
       Total |   335156425     1,990  168420.314   Root MSE
=    404.27


------------------------------------------------------------------------------
        time |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
       troll |    165.864   21.12189     7.85   0.000     124.4407    207.2874
       _cons |   639.2289   10.41405    61.38   0.000     618.8053    659.6525
------------------------------------------------------------------------------

   120 . reg slow troll /*beta = 0.14, p<.001 - reported in manuscript */

      Source |       SS           df       MS      Number of obs
=     2,000
-------------+----------------------------------   F(1, 1998)
=     71.98
       Model |   7.1579439         1   7.1579439   Prob > F
=    0.0000
    Residual |  198.697556     1,998  .099448226   R-squared
=    0.0348
-------------+----------------------------------   Adj R-squared
=    0.0343
       Total |    205.8555     1,999   .10297924   Root MSE
=    .31535


------------------------------------------------------------------------------
        slow |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
```

```
+------------------------------------------------------------------
             troll |   .1388127   .0163619     8.48   0.000     .
1067245    .1709008
             _cons |   .0822827   .0081235    10.13   0.000     .
0663513    .0982141

------------------------------------------------------------------
--------

   121 . reg fast troll /*beta=-.003, p=.686 - reported in manuscript
*/

            Source |       SS           df       MS      Number of obs
=     2,000
      -------------+----------------------------------   F(1, 1998)
=      0.16
             Model |   .00329589         1   .00329589   Prob > F
=    0.6856
          Residual |  40.1562041     1,998    .0200982   R-squared
=    0.0001
      -------------+----------------------------------   Adj R-squared
=   -0.0004
             Total |     40.1595     1,999  .020089795   Root MSE
=    .14177


------------------------------------------------------------------
--------
              fast |      Coef.   Std. Err.      t    P>|t|     [95%
Conf. Interval]
      -------------
+------------------------------------------------------------------
             troll |  -.0029787   .0073555    -0.40   0.686     -.
017404    .0114466
             _cons |   .0212342   .0036519     5.81   0.000     .
0140723    .0283962

------------------------------------------------------------------
--------

   122 .
   123 . * Overall measure of bad actors:
   124 . gen badactor = 0

   125 . replace badactor = 1 if funny == 1 | likely_troll == 1
      (493 real changes made)

   126 . tab badactor

         badactor |      Freq.     Percent        Cum.
```

```
      ------------+-----------------------------------
                0 |      1,507       75.35       75.35
                1 |        493       24.65      100.00
      ------------+-----------------------------------
            Total |      2,000      100.00

   127 .
      end of do-file

   128 . clear

   129 . log using c:dissert.log

-------------------------------------------------------------------------------
-------------------------------------------------------------------------------
-----------
            name:  <unnamed>
             log:  /Users/carrieroush/Dropbox/turk/replication_public/
data/c:dissert.log
        log type:  text
       opened on:   5 Mar 2021, 11:00:36

   130 . do "/var/folders/4n/3bt7kbhs6vgdxb_199pp1pk80000gn/T//
SD41461.000000"

   131 .
   132 . ** Set WD
   133 . cd "~/Dropbox/turk/replication_public/data/"
      /Users/carrieroush/Dropbox/turk/replication_public/data

   134 .
   135 . ** Load data
   136 . insheet using "turk_08_17_2018/turk_recoded_public.csv",
clear names
      (212 vars, 2,000 obs)

   137 .
   138 . **Generating dummies for various indicators of low quality
responding from IPs
   139 . **The "tabs" lead to numbers produced in Table 1
   140 . **These numbers are also repeated in row 1 of Table 3
   141 .
   142 . gen black=1 if blacklisted=="TRUE"
      (1,679 missing values generated)

   143 . replace black=0 if blacklisted=="FALSE"
      (1,670 real changes made)

   144 . tab black
```

```
      black |      Freq.     Percent        Cum.
------------+-----------------------------------
          0 |      1,670       83.88       83.88
          1 |        321       16.12      100.00
------------+-----------------------------------
      Total |      1,991      100.00

145 .
146 . gen miss=1 if missing_ip=="TRUE"
  (1,991 missing values generated)

147 . replace miss=0 if missing_ip=="FALSE"
  (1,991 real changes made)

148 . tab miss

       miss |      Freq.     Percent        Cum.
------------+-----------------------------------
          0 |      1,991       99.55       99.55
          1 |          9        0.45      100.00
------------+-----------------------------------
      Total |      2,000      100.00

149 .
150 . gen dup=1 if duplicated=="TRUE"
  (1,894 missing values generated)

151 . replace dup=0 if duplicated=="FALSE"
  (1,885 real changes made)

152 . tab dup

        dup |      Freq.     Percent        Cum.
------------+-----------------------------------
          0 |      1,885       94.68       94.68
          1 |        106        5.32      100.00
------------+-----------------------------------
      Total |      1,991      100.00

153 .
154 . gen foreign=1 if foreign_ip=="TRUE"
  (1,881 missing values generated)

155 . replace foreign=0 if foreign_ip=="FALSE"
  (1,870 real changes made)

156 . tab foreign

    foreign |      Freq.     Percent        Cum.
------------+-----------------------------------
```

```
          0 |      1,870       94.02       94.02
          1 |        119        5.98      100.00
------------+-----------------------------------
      Total |      1,989      100.00

157 .
158 . *any of the above
159 . gen funny=1 if funny_ip=="TRUE"
  (1,594 missing values generated)

160 . replace funny=0 if funny_ip=="FALSE"
  (1,594 real changes made)

161 . tab funny

      funny |      Freq.     Percent        Cum.
------------+-----------------------------------
          0 |      1,594       79.70       79.70
          1 |        406       20.30      100.00
------------+-----------------------------------
      Total |      2,000      100.00

162 .
163 . **Generating dummies for low-incidence screener questions
164 . **The "tabs" lead to numbers produced in Table 2
165 .
166 . gen prosthetic_troll=0 if prosthetic=="0"|prosthetic=="NA"
  (91 missing values generated)

167 . replace prosthetic_troll=1 if prosthetic=="1"
  (91 real changes made)

168 . tab prosthetic_troll

  prosthetic_ |
      troll |      Freq.     Percent        Cum.
------------+-----------------------------------
          0 |      1,909       95.45       95.45
          1 |         91        4.55      100.00
------------+-----------------------------------
      Total |      2,000      100.00

169 .
170 . gen blind_troll=0 if blind=="0"|blind=="NA"
  (184 missing values generated)

171 . replace blind_troll=1 if blind=="1"
  (184 real changes made)

172 . tab blind_troll
```

```
   blind_troll |      Freq.     Percent        Cum.
   ------------+-----------------------------------
             0 |      1,816       90.80       90.80
             1 |        184        9.20      100.00
   ------------+-----------------------------------
         Total |      2,000      100.00

173 .
174 . gen deaf_troll=0 if deaf=="0"|blind=="NA"
   (109 missing values generated)

175 . replace deaf_troll=1 if deaf=="1"
   (109 real changes made)

176 . tab deaf_troll

    deaf_troll |      Freq.     Percent        Cum.
   ------------+-----------------------------------
             0 |      1,891       94.55       94.55
             1 |        109        5.45      100.00
   ------------+-----------------------------------
         Total |      2,000      100.00

177 .
178 . gen gang_resp_troll=0 if gang_resp=="0"|gang_resp=="NA"
   (88 missing values generated)

179 . replace gang_resp_troll=1 if gang_resp=="1"
   (88 real changes made)

180 . tab gang_resp_troll

   gang_resp_t |
          roll |      Freq.     Percent        Cum.
   ------------+-----------------------------------
             0 |      1,912       95.60       95.60
             1 |         88        4.40      100.00
   ------------+-----------------------------------
         Total |      2,000      100.00

181 .
182 . gen gang_fam_troll=0 if gang_fam=="0"|gang_fam=="NA"
   (123 missing values generated)

183 . replace gang_fam_troll=1 if gang_fam=="1"
   (123 real changes made)

184 . tab gang_fam_troll
```

```
   gang_fam_tr |
          oll |      Freq.     Percent        Cum.
   -----------+-----------------------------------
             0 |      1,877       93.85       93.85
             1 |        123        6.15      100.00
   -----------+-----------------------------------
         Total |      2,000      100.00

185 .
186 . gen troll_sleep=0 if sleep=="0"|sleep=="NA"
   (28 missing values generated)

187 . replace troll_sleep=1 if sleep=="1"
   (28 real changes made)

188 . tab troll_sleep

   troll_sleep |      Freq.     Percent        Cum.
   ------------+-----------------------------------
             0 |      1,972       98.60       98.60
             1 |         28        1.40      100.00
   ------------+-----------------------------------
         Total |      2,000      100.00

189 .
190 .
*****************************************************************
191 . *see figure_1.do in replication files for estimates of
trolling
192 .
*****************************************************************
193 .
194 . **Two or more rare behaviors/traits
195 .
196 . egen troll_index=rowtotal(prosthetic_troll blind_troll
deaf_troll gang_resp_troll gang_fam_troll troll_sleep)

197 . tab troll_index

   troll_index |      Freq.     Percent        Cum.
   ------------+-----------------------------------
             0 |      1,676       83.80       83.80
             1 |        199        9.95       93.75
             2 |         52        2.60       96.35
             3 |         19        0.95       97.30
             4 |          9        0.45       97.75
             5 |         43        2.15       99.90
             6 |          2        0.10      100.00
   ------------+-----------------------------------
         Total |      2,000      100.00
```

```
   198 . gen likely_troll=1 if troll_index>1
      (1,875 missing values generated)

   199 . replace likely_troll=0 if troll_index<2
      (1,875 real changes made)

   200 . tab likely_troll

      likely_trol |
                 l |      Freq.     Percent        Cum.
      -------------+-----------------------------------
                 0 |      1,875       93.75       93.75
                 1 |        125        6.25      100.00
      -------------+-----------------------------------
           Total |      2,000      100.00

   201 .
   202 . **Proportion of bad actors (classified by bad IPs or trolls)
   203 . gen troll=0 if likely_troll==0 & funny==0
      (493 missing values generated)

   204 . replace troll=1 if likely_troll==1|funny==1
      (493 real changes made)

   205 . tab troll

           troll |      Freq.     Percent        Cum.
      -------------+-----------------------------------
                 0 |      1,507       75.35       75.35
                 1 |        493       24.65      100.00
      -------------+-----------------------------------
           Total |      2,000      100.00

   206 .         *24.65%, noted in Table 4, row 1
   207 .
   208 . ** Generate self-reported sincerity measure
   209 . gen insincere_dummy = .
      (2,000 missing values generated)

   210 . replace insincere_dummy = 1 if trolling == "3" |trolling ==
"4"| trolling == "5"
      (175 real changes made)

   211 . replace insincere_dummy = 0 if trolling == "1"| trolling ==
"2"
      (1,815 real changes made)

   212 . tab insincere_dummy
```

```
insincere_d |
       ummy |      Freq.     Percent        Cum.
------------+-----------------------------------
          0 |      1,815       91.21       91.21
          1 |        175        8.79      100.00
------------+-----------------------------------
      Total |      1,990      100.00
```

213 . *8.79% admit to responding insincerely "always" or "almost always" - reported in manuscript
214 .
215 . ** Association between various measures of LQ responding
216 . tab insincere_dummy likely_troll, col chi

```
+-------------------+
| Key               |
|-------------------|
|     frequency     |
| column percentage |
+-------------------+

insincere_ |     likely_troll
     dummy |         0          1 |     Total
-----------+----------------------+----------
         0 |     1,742         73 |     1,815
           |     93.40      58.40 |     91.21
-----------+----------------------+----------
         1 |       123         52 |       175
           |      6.60      41.60 |      8.79
-----------+----------------------+----------
     Total |     1,865        125 |     1,990
           |    100.00     100.00 |    100.00

           Pearson chi2(1) = 178.9712   Pr = 0.000
```

217 .   *93% of people not tagged for trolling "never" or "rarely" answer humorously/insincerely - reported in manuscript
218 . tab insincere_dummy likely_troll, col chi

```
+-------------------+
| Key               |
|-------------------|
|     frequency     |
| column percentage |
+-------------------+

insincere_ |     likely_troll
     dummy |         0          1 |     Total
-----------+----------------------+----------
         0 |     1,742         73 |     1,815
```

```
           |     93.40      58.40 |     91.21
-----------+----------------------+----------
         1 |       123         52 |       175
           |      6.60      41.60 |      8.79
-----------+----------------------+----------
     Total |     1,865        125 |     1,990
           |    100.00     100.00 |    100.00

           Pearson chi2(1) = 178.9712   Pr = 0.000

219 .         *58% of 125 tolls say they answer sincerely
220 .         tab funny likely_troll

           |     likely_troll
     funny |         0          1 |     Total
-----------+----------------------+----------
         0 |     1,507         87 |     1,594
         1 |       368         38 |       406
-----------+----------------------+----------
     Total |     1,875        125 |     2,000

221 . tab funny likely_troll, col chi

+-------------------+
| Key               |
|-------------------|
|     frequency     |
| column percentage |
+-------------------+

           |     likely_troll
     funny |         0          1 |     Total
-----------+----------------------+----------
         0 |     1,507         87 |     1,594
           |     80.37      69.60 |     79.70
-----------+----------------------+----------
         1 |       368         38 |       406
           |     19.63      30.40 |     20.30
-----------+----------------------+----------
     Total |     1,875        125 |     2,000
           |    100.00     100.00 |    100.00

           Pearson chi2(1) =   8.4067   Pr = 0.004

222 . *how many people from bad IP addresses reported being
insincere? 38/406 = 9.4% - reported in manuscript
223 . *how many people from non-suspicious IP addresses admitted to
being insincere? 87/1594 = 5.45% - reported in manuscript
224 .
225 . ** Timing
```

```
. replace durationinseconds = "" if durationinseconds == "NA"
(9 real changes made)

. destring durationinseconds, gen(time)
durationinseconds: all characters numeric; time generated as int
(9 missing values generated)

. sum time, d

                            time
-------------------------------------------------------------
      Percentiles      Smallest
 1%          204            138
 5%          284            148
10%          330            160       Obs                1,991
25%          426            162       Sum of Wgt.        1,991

50%          573                      Mean           679.5495
                        Largest       Std. Dev.      410.3904
75%          785           3310
90%         1173           3315       Variance       168420.3
95%         1463           3418       Skewness       2.614865
99%         2290           4404       Kurtosis       14.04696

. *median response time = 573 seconds, or about 9 minutes and 33 seconds
. *generating outlier variables based on "time outside whiskers" in the box plot
. *anything outside 167% of the IQR gets classified as "fast" or "slow"
. *25th percentile = 426; 75th percentile = 785
.
. display (573 - 426) * (5/3) /* 245 */
245

. gen fast = 0

. replace fast = 1 if time <= 245
(41 real changes made)

. tab fast

       fast |      Freq.     Percent        Cum.
------------+-----------------------------------
          0 |      1,959       97.95       97.95
          1 |         41        2.05      100.00
------------+-----------------------------------
      Total |      2,000      100.00

. *2.05% are fast
```

```
   239 .
   240 . display (785 - 573) * (5/3) + 785 /* 1138 */
      1138.3333

   241 . gen slow = 0

   242 . replace slow = 1 if time > 1138
      (233 real changes made)

   243 . tab slow

            slow |      Freq.     Percent        Cum.
      -----------+-----------------------------------
               0 |      1,767       88.35       88.35
               1 |        233       11.65      100.00
      -----------+-----------------------------------
           Total |      2,000      100.00

   244 . *11.65% are slow
   245 .
   246 . * Are suspicious respondents faster or slower?
   247 .
   248 . reg time troll /* trolls 166 seconds slower */

              Source |       SS           df       MS      Number of obs
=     1,991
      -------------+----------------------------------   F(1, 1989)
=     61.67
               Model |    10078406         1    10078406   Prob > F
=    0.0000
            Residual |   325078019     1,989  163437.918   R-squared
=    0.0301
      -------------+----------------------------------   Adj R-squared
=    0.0296
               Total |   335156425     1,990  168420.314   Root MSE
=    404.27


------------------------------------------------------------------------------
--------
                time |      Coef.   Std. Err.      t    P>|t|     [95%
Conf. Interval]
      -------------
+----------------------------------------------------------------
               troll |    165.864   21.12189     7.85   0.000
124.4407    207.2874
               _cons |   639.2289   10.41405    61.38   0.000
618.8053    659.6525

------------------------------------------------------------------------------
```

```
--------

   249 . reg slow troll /*beta = 0.14, p<.001 - reported in manuscript
*/

      Source |       SS           df       MS      Number of obs
=     2,000
-------------+----------------------------------   F(1, 1998)
=     71.98
       Model |   7.1579439         1   7.1579439   Prob > F
=    0.0000
    Residual |  198.697556     1,998  .099448226   R-squared
=    0.0348
-------------+----------------------------------   Adj R-squared
=    0.0343
       Total |    205.8555     1,999   .10297924   Root MSE
=    .31535


------------------------------------------------------------------------
--------
        slow |      Coef.   Std. Err.      t    P>|t|     [95%
Conf. Interval]
-------------
+----------------------------------------------------------------
       troll |   .1388127   .0163619     8.48   0.000     .
1067245    .1709008
       _cons |   .0822827   .0081235    10.13   0.000     .
0663513    .0982141

------------------------------------------------------------------------
--------

   250 . reg fast troll /*beta=-.003, p=.686 - reported in manuscript
*/

      Source |       SS           df       MS      Number of obs
=     2,000
-------------+----------------------------------   F(1, 1998)
=      0.16
       Model |   .00329589         1   .00329589   Prob > F
=    0.6856
    Residual |  40.1562041     1,998    .0200982   R-squared
=    0.0001
-------------+----------------------------------   Adj R-squared
=   -0.0004
       Total |     40.1595     1,999  .020089795   Root MSE
=    .14177
```

```
------------------------------------------------------------------------------
--------
              fast |      Coef.   Std. Err.      t    P>|t|     [95%
Conf. Interval]
      -------------
+----------------------------------------------------------------
             troll |  -.0029787   .0073555    -0.40   0.686     -.
017404    .0114466
             _cons |   .0212342   .0036519     5.81   0.000     .
0140723    .0283962

------------------------------------------------------------------------------
--------

   251 .
   252 . * Overall measure of bad actors:
   253 . gen badactor = 0

   254 . replace badactor = 1 if funny == 1 | likely_troll == 1
      (493 real changes made)

   255 . tab badactor

         badactor |      Freq.     Percent        Cum.
      ------------+-----------------------------------
                0 |      1,507       75.35       75.35
                1 |        493       24.65      100.00
      ------------+-----------------------------------
            Total |      2,000      100.00

   256 .
      end of do-file

   257 . log close
            name:  <unnamed>
             log:  /Users/carrieroush/Dropbox/turk/replication_public/
data/c:dissert.log
        log type:  text
       closed on:   5 Mar 2021, 11:00:46

------------------------------------------------------------------------------
------------------------------------------------------------------------------
-----------

   258 . translate @Results 01_study_1.txt
      (file 01_study_1.txt written in .txt format)

   259 . do "/var/folders/4n/3bt7kbhs6vgdxb_199pp1pk80000gn/T//
SD41461.000000"
```

```
   260 .
   261 . ** Set WD
   262 . cd "~/Dropbox/turk/replication_public/data"
      /Users/carrieroush/Dropbox/turk/replication_public/data

   263 .
   264 . ** Load data
   265 . insheet using "turk_06_29_2020/
merged_survey_ip_06_29_2020_final_public.csv", clear names
      (120 vars, 1,505 obs)

   266 .
   267 . ** Generating dummies for various indicators of low quality
responding from IPs
   268 . **These tabs also make up the numbers in row 2 of Table 3
   269 .
   270 . gen miss=1 if missing_ip=="TRUE"
      (1,505 missing values generated)

   271 . replace miss=0 if missing_ip=="FALSE"
      (1,505 real changes made)

   272 . tab miss

           miss |      Freq.     Percent        Cum.
      ------------+-----------------------------------
              0 |      1,505      100.00      100.00
      ------------+-----------------------------------
          Total |      1,505      100.00

   273 . *0%
   274 .
   275 . gen dup=1 if duplicated=="TRUE"
      (1,424 missing values generated)

   276 . replace dup=0 if duplicated=="FALSE"
      (1,424 real changes made)

   277 . tab dup

            dup |      Freq.     Percent        Cum.
      ------------+-----------------------------------
              0 |      1,424       94.62       94.62
              1 |         81        5.38      100.00
      ------------+-----------------------------------
          Total |      1,505      100.00

   278 . *5.3%
   279 .
   280 . gen foreign=1 if foreign_ip=="TRUE"
```

```
   (1,488 missing values generated)

281 . replace foreign=0 if foreign_ip=="FALSE"
   (1,488 real changes made)

282 . tab foreign

       foreign |      Freq.     Percent        Cum.
   ------------+-----------------------------------
             0 |      1,488       98.87       98.87
             1 |         17        1.13      100.00
   ------------+-----------------------------------
         Total |      1,505      100.00

283 . *1.13%
284 .
285 . gen funny=1 if funny_ip=="TRUE"
   (1,323 missing values generated)

286 . replace funny=0 if funny_ip=="FALSE"
   (1,323 real changes made)

287 . tab funny

          funny |      Freq.     Percent        Cum.
   ------------+-----------------------------------
             0 |      1,323       87.91       87.91
             1 |        182       12.09      100.00
   ------------+-----------------------------------
         Total |      1,505      100.00

288 . *12.09% - % of bad actors based on bad IPs - noted in
manuscript
289 .
290 . **Generating dummies for low-incidence screener questions
291 . **The numbers from these tabs also show up in Figure 1
292 . gen troll_prosthetic=1 if prosthetic=="TRUE"
   (1,099 missing values generated)

293 . replace troll_prosthetic=0 if prosthetic=="FALSE"|
prosthetic=="NA"
   (1,099 real changes made)

294 . tab troll_prosthetic

   troll_prost |
         hetic |      Freq.     Percent        Cum.
   ------------+-----------------------------------
             0 |      1,099       73.02       73.02
             1 |        406       26.98      100.00
```

```
   ------------+-----------------------------------
         Total |      1,505      100.00

295 . *26.98%
296 .
297 . gen troll_blind=1 if blind=="TRUE"
   (1,197 missing values generated)

298 . replace troll_blind=0 if blind=="FALSE"|blind=="NA"
   (1,197 real changes made)

299 . tab troll_blind

   troll_blind |      Freq.     Percent        Cum.
   ------------+-----------------------------------
             0 |      1,197       79.53       79.53
             1 |        308       20.47      100.00
   ------------+-----------------------------------
         Total |      1,505      100.00

300 . *20.47%
301 .
302 . gen troll_deaf=1 if deaf=="TRUE"
   (1,199 missing values generated)

303 . replace troll_deaf=0 if deaf=="FALSE"|deaf=="NA"
   (1,199 real changes made)

304 . tab troll_deaf

    troll_deaf |      Freq.     Percent        Cum.
   ------------+-----------------------------------
             0 |      1,199       79.67       79.67
             1 |        306       20.33      100.00
   ------------+-----------------------------------
         Total |      1,505      100.00

305 . *20.33%
306 .
307 . gen troll_gang=1 if gang_resp=="TRUE"
   (1,116 missing values generated)

308 . replace troll_gang=0 if gang_resp=="FALSE"|gang_resp=="NA"
   (1,116 real changes made)

309 . tab troll_gang

    troll_gang |      Freq.     Percent        Cum.
   ------------+-----------------------------------
             0 |      1,116       74.15       74.15
```

```
           1 |        389       25.85      100.00
-------------+-----------------------------------
       Total |      1,505      100.00

. *25.85%
.
. gen troll_famgang=1 if gang_fam=="TRUE"
(1,091 missing values generated)

. replace troll_famgang=0 if gang_fam=="FALSE"|gang_fam=="NA"
(1,091 real changes made)

. tab troll_famgang

troll_famga |
         ng |      Freq.     Percent        Cum.
------------+-----------------------------------
          0 |      1,091       72.49       72.49
          1 |        414       27.51      100.00
------------+-----------------------------------
       Total |      1,505      100.00

. *27.5%
.
. gen troll_sleep=1 if sleep=="1"
(1,473 missing values generated)

. replace troll_sleep=0 if sleep=="0"|sleep=="NA"
(1,473 real changes made)

. tab troll_sleep

troll_sleep |      Freq.     Percent        Cum.
------------+-----------------------------------
          0 |      1,473       97.87       97.87
          1 |         32        2.13      100.00
------------+-----------------------------------
       Total |      1,505      100.00

. *2.13%
.
. **Two or more rare behaviors/traits
.
. egen troll_index=rowtotal(troll_prosthetic troll_blind
troll_deaf troll_gang troll_famgang troll_sleep)

. tab troll_index

troll_index |      Freq.     Percent        Cum.
------------+-----------------------------------
```

```
          0 |        883       58.67       58.67
          1 |        170       11.30       69.97
          2 |        125        8.31       78.27
          3 |         77        5.12       83.39
          4 |         54        3.59       86.98
          5 |        188       12.49       99.47
          6 |          8        0.53      100.00
------------+-----------------------------------
      Total |      1,505      100.00

326 . gen likely_troll=1 if troll_index>1
  (1,053 missing values generated)

327 . replace likely_troll=0 if troll_index<2
  (1,053 real changes made)

328 . tab likely_troll

  likely_trol |
            l |      Freq.     Percent        Cum.
------------+-----------------------------------
          0 |      1,053       69.97       69.97
          1 |        452       30.03      100.00
------------+-----------------------------------
      Total |      1,505      100.00

329 . *30.03%
330 .
331 .
332 . ** Generate self-reported sincerity measure
333 . replace sincerity = "" if sincerity == "NA"
  (2 real changes made)

334 . destring sincerity, replace
  sincerity: all characters numeric; replaced as byte
  (2 missing values generated)

335 . tab sincerity

   sincerity |      Freq.     Percent        Cum.
------------+-----------------------------------
          1 |        774       51.50       51.50
          2 |        228       15.17       66.67
          3 |        285       18.96       85.63
          4 |        125        8.32       93.95
          5 |         91        6.05      100.00
------------+-----------------------------------
      Total |      1,503      100.00

336 . recode sincerity (1/3 = 0) (4/5 = 1), gen(insincere)
```

```
   (1503 differences between sincerity and insincere)

337 . tab insincere

     RECODE of |
     sincerity |      Freq.     Percent        Cum.
   ------------+-----------------------------------
             0 |      1,287       85.63       85.63
             1 |        216       14.37      100.00
   ------------+-----------------------------------
         Total |      1,503      100.00

338 . *14% admit to responding non-seriously - noted in manuscript
339 .
340 . tab insincere likely_troll, col chi

   +-------------------+
   | Key               |
   |-------------------|
   |     frequency     |
   | column percentage |
   +-------------------+

    RECODE of |     likely_troll
    sincerity |         0          1 |     Total
   -----------+----------------------+----------
            0 |       944        343 |     1,287
              |     89.82      75.88 |     85.63
   -----------+----------------------+----------
            1 |       107        109 |       216
              |     10.18      24.12 |     14.37
   -----------+----------------------+----------
        Total |     1,051        452 |     1,503
              |    100.00     100.00 |    100.00

               Pearson chi2(1) =  49.8696   Pr = 0.000

341 . *among those flagged for trolling, 109/452 admit to almost or
almost always answering sincerely /
342 . *= 24.1% (chi2=49.9%, p<0.001)- as reported in manuscript
343 .
344 . *among those not flagged for trolling, 107/1051 admit to this
- 10.2%, (chi2=49.9%, p<0.001)- as reported in manuscript
345 .
346 . **********
347 . ***DATE***
348 . **********
349 .
350 . gen date_ok=0
```

```
   351 . replace date_ok=1 if date=="06 29 2020"|date=="06.29.2020"|
date=="06\29\2020"|date=="06\30\2020" ///
      >         |date=="6/29/20"|date=="6/29/2020."|
date=="6/29/20209"|date=="6/29/2020`"|date=="60/29/2020" ///
      >         |date=="ju/26/2020"|date=="june/29/20"|
date=="o6/29/2020" | date=="16/29/2020"
      (1,130 real changes made)

   352 . tab date_ok

          date_ok |      Freq.     Percent        Cum.
      ------------+-----------------------------------
                0 |        375       24.92       24.92
                1 |      1,130       75.08      100.00
      ------------+-----------------------------------
            Total |      1,505      100.00

   353 . *so 24.92% of respondents entered the date incorrectly
   354 .
   355 . *okay, what about those who wrote DD/MM/YYYY
   356 . gen date_poss_foreign = 0

   357 . replace date_poss_foreign = 1 if date == "20/06/2020" | date
== "28.06.2020" | date == "28/06/2020" | date == "28/6/2020" ///
      >         |date == " 29 06 2020" | date ==  "29-06-2020" | date
== "29-Jun-20" | date == "29.06 2020" | date == "29.06.2020" ///
      >         |date == "29/06/2020"| date == "29/6/2020" | date == "
29/6/2020." | date == "29\06\2020" | date == "29|06|2020" ///
      >         |date == "30/06/2020"
      (303 real changes made)

   358 . tab date_poss_foreign

      date_poss_f |
           oreign |      Freq.     Percent        Cum.
      ------------+-----------------------------------
                0 |      1,202       79.87       79.87
                1 |        303       20.13      100.00
      ------------+-----------------------------------
            Total |      1,505      100.00

   359 . *20% of the sample is possibly comprised of foreigners -
noted in manuscript
   360 .
   361 . *okay, how many people wrote a nonsensical response to the
date question?
   362 . gen inattentive = 1

   363 . replace inattentive = 0 if date_ok==1|date_poss_foreign==1
      (1,433 real changes made)
```

```
   364 . tab inattentive

   inattentive |      Freq.     Percent        Cum.
   ------------+-----------------------------------
             0 |      1,433       95.22       95.22
             1 |         72        4.78      100.00
   ------------+-----------------------------------
         Total |      1,505      100.00

   365 . *4.92%
   366 .
   367 .
   368 . ************************************************************
   369 . ***CREATING UPPER AND LOWER BOUND ESTIMATES OF BAD ACTORS***
   370 . ************************************************************
   371 .
   372 .
   373 . *creating a variable that combines trolling and weird IPs
("lower bound")
   374 . gen combined_troll_1=.
      (1,505 missing values generated)

   375 . replace combined_troll_1 = 1 if funny_ip == "TRUE" |
likely_troll == 1
      (571 real changes made)

   376 . replace combined_troll_1 = 0 if funny_ip == "FALSE" &
likely_troll == 0
      (934 real changes made)

   377 . tab combined_troll_1

      combined_tr |
            oll_1 |      Freq.     Percent        Cum.
   ------------+-----------------------------------
             0 |        934       62.06       62.06
             1 |        571       37.94      100.00
   ------------+-----------------------------------
         Total |      1,505      100.00

   378 . *37.94% low quality - column 2, row 1 of Table 4
   379 .
   380 . *creating a variable that combines trolling, weird IP, and
weirdly written date
   381 . gen combined_troll_2=.
      (1,505 missing values generated)

   382 . replace combined_troll_2=1 if funny_ip=="TRUE" |
likely_troll==1|date_poss_foreign==1
```

```
      (672 real changes made)

   383 . replace combined_troll_2=0 if funny_ip=="FALSE" &
likely_troll==0 & date_poss_foreign==0
      (833 real changes made)

   384 . tab combined_troll_2

      combined_tr |
            oll_2 |      Freq.     Percent        Cum.
      ------------+-----------------------------------
                0 |        833       55.35       55.35
                1 |        672       44.65      100.00
      ------------+-----------------------------------
            Total |      1,505      100.00

   385 . *44.58% of respondents are suspicious using this measure -
column 2, row 2 of Table 4
   386 .
   387 . *creating a variable that combines trolling, weird IP,
weirdly written date, or inattentive (nonsensical date write-in)
   388 . gen combined_troll_3=.
      (1,505 missing values generated)

   389 . replace combined_troll_3=1 if funny_ip=="TRUE" |
likely_troll==1|date_poss_foreign==1|inattentive==1
      (696 real changes made)

   390 . replace combined_troll_3=0 if funny_ip=="FALSE"  &
likely_troll==0 & date_poss_foreign==0 & inattentive==0
      (809 real changes made)

   391 . tab combined_troll_3

      combined_tr |
            oll_3 |      Freq.     Percent        Cum.
      ------------+-----------------------------------
                0 |        809       53.75       53.75
                1 |        696       46.25      100.00
      ------------+-----------------------------------
            Total |      1,505      100.00

   392 . *46.25% marked as suspicious here - column 2, row 3 of Table
4
   393 .
   394 . ************
   395 . ***Timing***
   396 . ************
   397 .
   398 . rename durationinseconds time
```

```
399 . sum time, d

                            time
-------------------------------------------------------------
      Percentiles      Smallest
 1%          168             18
 5%          222            115
10%          259            120       Obs                1,505
25%          349            124       Sum of Wgt.        1,505

50%          488                      Mean           579.1037
                        Largest       Std. Dev.      345.3646
75%          721           2415
90%         1014           2679       Variance       119276.7
95%         1236           3061       Skewness       2.142565
99%         1758           3470       Kurtosis       11.19606

400 .
401 . ************************************************************
402 . ***Table 5: Low_Quality Responses by HIT Completion Rates***
403 . ************************************************************
404 . gen hits_recode=.
   (1,505 missing values generated)

405 . replace hits_recode=1 if hits=="1"
   (327 real changes made)

406 . replace hits_recode=2 if hits=="2"
   (435 real changes made)

407 . replace hits_recode=3 if hits=="3"
   (192 real changes made)

408 . replace hits_recode=4 if hits=="4"
   (548 real changes made)

409 . tab hits_recode

   hits_recode |      Freq.     Percent        Cum.
   ------------+-----------------------------------
             1 |        327       21.77       21.77
             2 |        435       28.96       50.73
             3 |        192       12.78       63.52
             4 |        548       36.48      100.00
   ------------+-----------------------------------
         Total |      1,502      100.00

410 .
411 . label define hits_lb 1 "Fewer than 100 HITs" 2 "Between 100
```

```
and 500 HITs" 3 "Between 500 and 1000 HITs" 4 "More than 1k HITs",
replace

   412 . label values hits_recode hits_lb

   413 . tab hits_recode

                hits_recode |      Freq.     Percent        Cum.
   -------------------------+-----------------------------------
        Fewer than 100 HITs |        327       21.77       21.77
    Between 100 and 500 HITs |        435       28.96       50.73
   Between 500 and 1000 HITs |        192       12.78       63.52
          More than 1k HITs |        548       36.48      100.00
   -------------------------+-----------------------------------
                      Total |      1,502      100.00

   414 . *this tab provides the data for row 1 in Table 5 (June 2020
study)
   415 .
   416 . tab combined_troll_1 hits_recode, col

      +-------------------+
      | Key               |
      |-------------------|
      |     frequency     |
      | column percentage |
      +-------------------+

      combined_t |                 hits_recode
          roll_1 | Fewer tha  Between 1  Between 5  More than |
Total
      -----------+-------------------------------------------
+----------
                 0 |       144        211        105        471 |
931
                   |     44.04      48.51      54.69      85.95 |
61.98
      -----------+-------------------------------------------
+----------
                 1 |       183        224         87         77 |
571
                   |     55.96      51.49      45.31      14.05 |
38.02
      -----------+-------------------------------------------
+----------
             Total |       327        435        192        548 |
1,502
                   |    100.00     100.00     100.00     100.00 |
100.00
```

```
   417 . *this tab provides the data for row 2 in Table 5 (June 2020
study)
   418 . tab combined_troll_2 hits_recode, col

      +-------------------+
      | Key               |
      |-------------------|
      |     frequency     |
      | column percentage |
      +-------------------+

      combined_t |                 hits_recode
          roll_2 | Fewer tha  Between 1  Between 5  More than |
Total
      -----------+--------------------------------------------
+----------
                0 |       102        172         93        464 |
831
                  |     31.19      39.54      48.44      84.67 |
55.33
      -----------+--------------------------------------------
+----------
                1 |       225        263         99         84 |
671
                  |     68.81      60.46      51.56      15.33 |
44.67
      -----------+--------------------------------------------
+----------
            Total |       327        435        192        548 |
1,502
                  |    100.00     100.00     100.00     100.00 |
100.00

   419 . *this tab provides the data for row 3 in Table 5 (June 2020
study)
   420 . tab combined_troll_3 hits_recode, col

      +-------------------+
      | Key               |
      |-------------------|
      |     frequency     |
      | column percentage |
      +-------------------+

      combined_t |                 hits_recode
          roll_3 | Fewer tha  Between 1  Between 5  More than |
Total
      -----------+--------------------------------------------
+----------
                0 |        98        170         89        452 |
```

```
809
                |     29.97      39.08      46.35      82.48 |
53.86
      ----------+--------------------------------------------
+----------
              1 |       229        265        103         96 |
693
                |     70.03      60.92      53.65      17.52 |
46.14
      ----------+--------------------------------------------
+----------
          Total |       327        435        192        548 |
1,502
                |    100.00     100.00     100.00     100.00 |
100.00

   421 . *this tab provides data for row 4 in Table 5 (June 2020
study)
   422 .
   423 . tab insincere hits_recode, col

      +-------------------+
      | Key               |
      |-------------------|
      |     frequency     |
      | column percentage |
      +-------------------+

       RECODE of |                hits_recode
       sincerity | Fewer tha  Between 1  Between 5  More than |
Total
      ----------+--------------------------------------------
+----------
              0 |       279        335        160        512 |
1,286
                |     85.32      77.01      83.33      93.43 |
85.62
      ----------+--------------------------------------------
+----------
              1 |        48        100         32         36 |
216
                |     14.68      22.99      16.67       6.57 |
14.38
      ----------+--------------------------------------------
+----------
          Total |       327        435        192        548 |
1,502
                |    100.00     100.00     100.00     100.00 |
100.00
```

```
   424 . *this tab provides the data for row 5 in Table 5 (June 2020
study)
   425 .
   426 . *this provides the data for row 6 in Table 5 (June 2020
study)
   427 . sum time if hits_recode==1

         Variable |        Obs        Mean    Std. Dev.       Min
Max
      -------------
+--------------------------------------------------------
             time |        327    678.2722     408.437        151
3470

   428 . sum time if hits_recode==2

         Variable |        Obs        Mean    Std. Dev.       Min
Max
      -------------
+--------------------------------------------------------
             time |        435    608.5149    310.5873        132
2014

   429 . sum time if hits_recode==3

         Variable |        Obs        Mean    Std. Dev.       Min
Max
      -------------
+--------------------------------------------------------
             time |        192    586.1563    323.6046        141
2267

   430 . sum time if hits_recode==4

         Variable |        Obs        Mean    Std. Dev.       Min
Max
      -------------
+--------------------------------------------------------
             time |        548    495.9325    317.8397        115
3061

   431 . *average time for high HIT workers = 495.93; average time for
second highest category = 586.16
   432 . display (586.16 - 495.93)/586.16
      .15393408

   433 .
   434 . *********************************
   435 . **EXPERIMENTAL RESULTS -- FIG 2**
   436 . *********************************
```

```
   437 .
   438 . ** Coding PID
   439 .
   440 . *7-point party ID
   441 . gen pid7 = .
      (1,505 missing values generated)

   442 . replace pid7 = 1 if pid_dem == "1"
      (490 real changes made)

   443 . replace pid7 = 2 if pid_dem == "2"
      (134 real changes made)

   444 . replace pid7 = 3 if pid_ind == "2"
      (92 real changes made)

   445 . replace pid7 = 4 if pid_ind == "3"
      (78 real changes made)

   446 . replace pid7 = 5 if pid_ind == "1"
      (75 real changes made)

   447 . replace pid7 = 6 if pid_rep == "2"
      (111 real changes made)

   448 . replace pid7 = 7 if pid_rep == "1"
      (523 real changes made)

   449 . label define pid7_lbl 1 "Strong Democrat" 2 "Weak Democrat" 3
"Leaning Democrat" 4 "Independent" 5 "Leaning Republican" 6 "Weak
Republican" 7 "Strong
      >  Republican", replace

   450 . label values pid7 pid7_lbl

   451 .
   452 . *3-point party ID
   453 . recode pid7 (1/3=1)(4=2)(5/7=3), gen(pid3)
      (1013 differences between pid7 and pid3)

   454 . label define pid3_lbl 1 "Democratic" 2 "Independent" 3
"Republican", replace

   455 . label values pid3 pid3_lbl

   456 .
   457 . *Democratic dummy for comparing Dems and Reps
   458 . gen dem_rep = .
      (1,505 missing values generated)
```

```
459 . replace dem_rep = 1 if pid3 == 1
   (716 real changes made)

460 . replace dem_rep = 0 if pid3 == 3
   (709 real changes made)

461 . label define dem_rep_lbl 0 "Republican" 1 "Democrat", replace

462 . label values dem_rep dem_rep_lbl

463 .
464 . *recoding DVs
465 .
466 . gen gop_unemploy=1 if gop_unemployment=="1"
   (1,112 missing values generated)

467 . replace gop_unemploy=.5 if gop_unemployment=="2"
   (338 real changes made)

468 . replace gop_unemploy=0 if gop_unemployment=="3"
   (50 real changes made)

469 . tab gop_unemploy

   gop_unemplo |
              y |      Freq.     Percent        Cum.
   -------------+-----------------------------------
              0 |         50        6.40        6.40
             .5 |        338       43.28       49.68
              1 |        393       50.32      100.00
   -------------+-----------------------------------
          Total |        781      100.00

470 .
471 . gen gop_inflate=1 if gop_inflation=="1"
   (1,176 missing values generated)

472 . replace gop_inflate=.5 if gop_inflation=="2"
   (385 real changes made)

473 . replace gop_inflate=0 if gop_inflation=="3"
   (67 real changes made)

474 . tab gop_inflate

   gop_inflate |      Freq.     Percent        Cum.
   ------------+-----------------------------------
             0 |         67        8.58        8.58
            .5 |        385       49.30       57.87
             1 |        329       42.13      100.00
```

```
   ------------+-----------------------------------
         Total |        781      100.00

475 .
476 . gen obama_unemploy=1 if obama_unemployment=="1"
   (1,106 missing values generated)

477 . replace obama_unemploy=.5 if obama_unemployment=="2"
   (297 real changes made)

478 . replace obama_unemploy=0 if obama_unemployment=="3"
   (26 real changes made)

479 . tab obama_unemploy

   obama_unemp |
           loy |      Freq.     Percent        Cum.
   ------------+-----------------------------------
             0 |         26        3.60        3.60
            .5 |        297       41.14       44.74
             1 |        399       55.26      100.00
   ------------+-----------------------------------
         Total |        722      100.00

480 .
481 . gen obama_inflate=1 if obama_inflation=="1"
   (1,188 missing values generated)

482 . replace obama_inflate=.5 if obama_inflation=="2"
   (358 real changes made)

483 . replace obama_inflate=0 if obama_inflation=="3"
   (47 real changes made)

484 . tab obama_inflate

   obama_infla |
            te |      Freq.     Percent        Cum.
   ------------+-----------------------------------
             0 |         47        6.51        6.51
            .5 |        358       49.58       56.09
             1 |        317       43.91      100.00
   ------------+-----------------------------------
         Total |        722      100.00

485 .
486 .
487 . *creating a collapsed unemployment DV
488 . gen unemploy = gop_unemploy
   (724 missing values generated)
```

```
489 . replace unemploy = obama_unemploy if unemploy==.
   (722 real changes made)

490 . tab unemploy

      unemploy |      Freq.     Percent        Cum.
   ------------+-----------------------------------
             0 |         76        5.06        5.06
            .5 |        635       42.25       47.31
             1 |        792       52.69      100.00
   ------------+-----------------------------------
         Total |      1,503      100.00

491 .
492 . *creating a collapsed inflation DV
493 . gen inflation = gop_inflate
   (724 missing values generated)

494 . replace inflation = obama_inflate if inflation==.
   (722 real changes made)

495 . tab inflation

     inflation |      Freq.     Percent        Cum.
   ------------+-----------------------------------
             0 |        114        7.58        7.58
            .5 |        743       49.43       57.02
             1 |        646       42.98      100.00
   ------------+-----------------------------------
         Total |      1,503      100.00

496 .
497 . *generating treatment variable
498 . gen dem_treat=1 if randomization_1 == "obama"
   (783 missing values generated)

499 . replace dem_treat=0 if randomization_1 == "congress"
   (781 real changes made)

500 . tab dem_treat

     dem_treat |      Freq.     Percent        Cum.
   ------------+-----------------------------------
             0 |        781       51.96       51.96
             1 |        722       48.04      100.00
   ------------+-----------------------------------
         Total |      1,503      100.00

501 .
```

```
   502 . *creating a party x treatment variable
   503 . *1 = if you got the out-party treatment, 0 = in-party
treatment
   504 . gen out_party_treat=.
      (1,505 missing values generated)

   505 . replace out_party_treat = 1 if dem_rep == 1 & dem_treat == 0
      (385 real changes made)

   506 . replace out_party_treat = 1 if dem_rep == 0 & dem_treat == 1
      (351 real changes made)

   507 . replace out_party_treat = 0 if dem_rep == 0 & dem_treat == 0
      (358 real changes made)

   508 . replace out_party_treat = 0 if dem_rep == 1 & dem_treat == 1
      (331 real changes made)

   509 . tab out_party_treat

      out_party_t |
             reat |      Freq.     Percent        Cum.
      ------------+-----------------------------------
                0 |        689       48.35       48.35
                1 |        736       51.65      100.00
      ------------+-----------------------------------
            Total |      1,425      100.00

   510 .
   511 . **the following regressions were also ran in R to produce
Figure 2
   512 .
   513 . *okay, what are the effects among the full sample? (n=1425)
   514 . reg unemploy out_party_treat

            Source |       SS           df       MS      Number of obs
=     1,425
      -------------+----------------------------------   F(1, 1423)
=     38.80
             Model |  3.29109319         1  3.29109319   Prob > F
=    0.0000
          Residual |  120.711363     1,423  .084828786   R-squared
=    0.0265
      -------------+----------------------------------   Adj R-squared
=    0.0259
             Total |  124.002456     1,424  .087080377   Root MSE
=    .29125


------------------------------------------------------------------------------
```

```
-----------
             unemploy |      Coef.   Std. Err.      t    P>|t|
[95% Conf. Interval]
      ---------------
+------------------------------------------------------------------
      out_party_treat |  -.0961677   .0154394    -6.23   0.000    -.
1264541   -.0658812
                _cons |   .7931785   .0110959    71.48   0.000     .
7714125    .8149446

------------------------------------------------------------------------
-----------

   515 . reg inflation out_party_treat

            Source |       SS           df       MS      Number of obs
=     1,425
      -------------+----------------------------------   F(1, 1423)
=     13.74
             Model |  1.29654138         1  1.29654138   Prob > F
=    0.0002
          Residual |  134.283459     1,423   .09436645   R-squared
=    0.0096
      -------------+----------------------------------   Adj R-squared
=    0.0089
             Total |      135.58     1,424  .095210674   Root MSE
=    .30719


------------------------------------------------------------------------
-----------
             inflation |      Coef.   Std. Err.      t    P>|t|
[95% Conf. Interval]
      ---------------
+------------------------------------------------------------------
      out_party_treat |  -.0603604   .0162842    -3.71   0.000    -.
0923041   -.0284167
                _cons |   .7111756   .0117031    60.77   0.000     .
6882185    .7341327

------------------------------------------------------------------------
-----------

   516 . *betas and se's calculated here used in spreadsheet below
(attenuation effects)
   517 .
   518 . *effects among non-flagged respondents (n=861)
   519 . reg unemploy out_party_treat if combined_troll_1 == 0

            Source |       SS           df       MS      Number of obs
```

```
=       861
      -------------+----------------------------------   F(1, 859)
=     38.63
             Model |  3.35311491         1  3.35311491   Prob > F
=    0.0000
          Residual |  74.5568735       859  .086794963   R-squared
=    0.0430
      -------------+----------------------------------   Adj R-squared
=    0.0419
             Total |  77.9099884       860   .09059301   Root MSE
=    .29461


------------------------------------------------------------------------------
-----------
             unemploy |      Coef.   Std. Err.      t    P>|t|
[95% Conf. Interval]
      ---------------
+--------------------------------------------------------------------
      out_party_treat |  -.1249392   .0201012    -6.22   0.000    -.
1643924    -.085486
                _cons |   .7749392    .014532    53.33   0.000     .
7464167    .8034616

------------------------------------------------------------------------------
-----------

   520 . reg inflation out_party_treat if combined_troll_1 == 0

            Source |       SS           df       MS      Number of obs
=       861
      -------------+----------------------------------   F(1, 859)
=     19.15
             Model |  1.79080179         1  1.79080179   Prob > F
=    0.0000
          Residual |  80.3468289       859  .093535307   R-squared
=    0.0218
      -------------+----------------------------------   Adj R-squared
=    0.0207
             Total |  82.1376307       860  .095508873   Root MSE
=    .30584


------------------------------------------------------------------------------
-----------
             inflation |      Coef.   Std. Err.      t    P>|t|
[95% Conf. Interval]
      ---------------
+--------------------------------------------------------------------
      out_party_treat |  -.0913058   .0208671    -4.38   0.000    -.
```

```
1322622   -.0503493
               _cons |   .7201946   .0150857    47.74   0.000     .
6905854    .7498039

------------------------------------------------------------------------
-----------

   521 .
   522 . *effects among all flagged respondents (n=564)
   523 . reg unemploy out_party_treat if combined_troll_1 == 1

           Source |       SS           df       MS      Number of obs
=       564
      -------------+----------------------------------   F(1, 562)
=      4.43
            Model |  .340754349         1  .340754349   Prob > F
=    0.0358
         Residual |  43.2563201       562  .076968541   R-squared
=    0.0078
      -------------+----------------------------------   Adj R-squared
=    0.0061
            Total |  43.5970745       563  .077437077   Root MSE
=    .27743


------------------------------------------------------------------------
-----------
            unemploy |      Coef.   Std. Err.      t    P>|t|
[95% Conf. Interval]
      ---------------
+------------------------------------------------------------------------
      out_party_treat |  -.0491649   .0233663    -2.10   0.036    -.
0950609   -.0032688
               _cons |   .8201439   .0166393    49.29   0.000     .
7874611    .8528266

------------------------------------------------------------------------
-----------

   524 . reg inflation out_party_treat if combined_troll_1 == 1

           Source |       SS           df       MS      Number of obs
=       564
      -------------+----------------------------------   F(1, 562)
=      0.23
            Model |  .022122222         1  .022122222   Prob > F
=    0.6293
         Residual |  53.2970267       562  .094834567   R-squared
=    0.0004
      -------------+----------------------------------   Adj R-squared
```

```
=   -0.0014
              Total |  53.3191489       563  .094705416   Root MSE
=    .30795


------------------------------------------------------------------------
-----------
            inflation |      Coef.   Std. Err.      t    P>|t|
[95% Conf. Interval]
      ----------------
+-----------------------------------------------------------------------
      out_party_treat |   -.012527   .0259369    -0.48   0.629    -.
0634721     .038418
                  _cons |   .6978417   .0184697    37.78   0.000     .
6615636    .7341199

------------------------------------------------------------------------
-----------

   525 . *betas and se's calculated here used in spreadsheet below
(attenuation effects)
   526 .
   527 . *effects among flagged IPs only
   528 . reg unemploy out_party_treat if funny_ip =="TRUE"

              Source |       SS           df       MS      Number of obs
=       182
      -------------+----------------------------------   F(1, 180)
=      0.44
               Model |  .039545561         1  .039545561   Prob > F
=    0.5079
            Residual |  16.1692456       180  .089829142   R-squared
=    0.0024
      -------------+----------------------------------   Adj R-squared
=   -0.0031
              Total |  16.2087912       181  .089551333   Root MSE
=    .29972


------------------------------------------------------------------------
-----------
            unemploy |      Coef.   Std. Err.      t    P>|t|
[95% Conf. Interval]
      ----------------
+-----------------------------------------------------------------------
      out_party_treat |  -.0294971   .0444569    -0.66   0.508    -.
1172208    .0582266
                  _cons |   .7954545   .0319497    24.90   0.000     .
7324103    .8584988
```

```
------------------------------------------------------------------------------

   529 . reg inflation out_party_treat if funny_ip =="TRUE"

      Source |       SS           df       MS      Number of obs   =       182
-------------+----------------------------------   F(1, 180)       =      0.22
       Model |  .023726938         1  .023726938   Prob > F        =    0.6375
    Residual |  19.1685808       180  .106492115   R-squared       =    0.0012
-------------+----------------------------------   Adj R-squared   =   -0.0043
       Total |  19.1923077       181  .106034849   Root MSE        =    .32633

------------------------------------------------------------------------------
     inflation |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
---------------
-------------+----------------------------------------------------------------
out_party_treat |   .0228482   .0484049     0.47   0.637    -.0726658    .1183622
          _cons |   .6420455    .034787    18.46   0.000     .5734026    .7106883

------------------------------------------------------------------------------

   530 .
   531 . *effects among trolls only
   532 . reg unemploy out_party_treat if likely_troll==1

      Source |       SS           df       MS      Number of obs   =       445
-------------+----------------------------------   F(1, 443)       =      2.90
       Model |  .210203692         1  .210203692   Prob > F        =    0.0894
    Residual |  32.1347401       443  .072538917   R-squared       =    0.0065
-------------+----------------------------------   Adj R-squared   =    0.0043
       Total |  32.3449438       444  .072848973   Root MSE        =    .26933
```

```
------------------------------------------------------------------------------
           unemploy |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
      ---------------
-------------+----------------------------------------------------------------
      out_party_treat |  -.0434769   .0255402    -1.70   0.089    -.093672    .0067181
                _cons |   .8188073   .0182414    44.89   0.000     .782957    .8546577
------------------------------------------------------------------------------

   533 . reg inflation out_party_treat if likely_troll==1

            Source |       SS           df       MS      Number of obs   =       445
      -------------+----------------------------------   F(1, 443)       =      0.36
             Model |  .032462717         1  .032462717   Prob > F        =    0.5474
          Residual |  39.6675373       443  .089542974   R-squared       =    0.0008
      -------------+----------------------------------   Adj R-squared   =   -0.0014
             Total |        39.7       444  .089414414   Root MSE        =    .29924


------------------------------------------------------------------------------
           inflation |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
      ---------------
-------------+----------------------------------------------------------------
      out_party_treat |  -.0170856   .0283762    -0.60   0.547    -.0728544    .0386831
                _cons |   .7087156   .0202669    34.97   0.000     .6688844    .7485468
------------------------------------------------------------------------------

   534 .
   535 . *effects among those with 1k+ HITs
   536 . reg unemploy out_party_treat if hits=="4"

            Source |       SS           df       MS      Number of obs
```

```
=       505
      -------------+----------------------------------   F(1, 503)
=     36.66
             Model |  2.81895271         1  2.81895271   Prob > F
=    0.0000
          Residual |  38.6731265       503  .076884943   R-squared
=    0.0679
      -------------+----------------------------------   Adj R-squared
=    0.0661
             Total |  41.4920792       504  .082325554   Root MSE
=    .27728


------------------------------------------------------------------------------
-----------
             unemploy |      Coef.   Std. Err.      t    P>|t|
[95% Conf. Interval]
      ---------------
+--------------------------------------------------------------------
      out_party_treat |  -.1495819   .0247034    -6.06   0.000    -.
1981164   -.1010475
                _cons |   .7821577   .0178613    43.79   0.000     .
7470658    .8172495

------------------------------------------------------------------------------
-----------

   537 . reg inflation out_party_treat if hits=="4"

            Source |       SS           df       MS      Number of obs
=       505
      -------------+----------------------------------   F(1, 503)
=     14.78
             Model |  1.27740706         1  1.27740706   Prob > F
=    0.0001
          Residual |   43.473088       503   .08642761   R-squared
=    0.0285
      -------------+----------------------------------   Adj R-squared
=    0.0266
             Total |   44.750495       504  .088790665   Root MSE
=    .29399


------------------------------------------------------------------------------
-----------
             inflation |      Coef.   Std. Err.      t    P>|t|
[95% Conf. Interval]
      ---------------
+--------------------------------------------------------------------
      out_party_treat |  -.1006931   .0261916    -3.84   0.000    -.
```

```
1521515   -.0492348
               _cons |   .7427386   .0189373    39.22   0.000     .
7055327    .7799445

------------------------------------------------------------------------
-----------

   538 .
   539 . *interactive effects with trolling indicator
   540 . reg unemploy i.out_party_treat##i.combined_troll_1

           Source |       SS           df       MS      Number of obs
=     1,425
      -------------+----------------------------------   F(3, 1421)
=     24.88
            Model |  6.18926254         3  2.06308751   Prob > F
=    0.0000
         Residual |  117.813194     1,421  .082908651   R-squared
=    0.0499
      -------------+----------------------------------   Adj R-squared
=    0.0479
            Total |  124.002456     1,424  .087080377   Root MSE
=    .28794


------------------------------------------------------------------------
---------------------------
                             unemploy |      Coef.   Std. Err.      t
P>|t|     [95% Conf. Interval]
      -------------------------------
+----------------------------------------------------------------
                     1.out_party_treat |  -.1249392    .019646
-6.36   0.000    -.1634775   -.0864009
                   1.combined_troll_1 |   .0452047   .0223597
2.02   0.043     .0013431    .0890663
                                      |
      out_party_treat#combined_troll_1 |
                                 1 1  |   .0757743   .0312104
2.43   0.015     .0145509    .1369977
                                      |
                                _cons |   .7749392    .014203
54.56   0.000     .7470781    .8028002

------------------------------------------------------------------------
---------------------------

   541 . reg inflation i.out_party_treat##i.combined_troll_1

           Source |       SS           df       MS      Number of obs
=     1,425
```

```
      -------------+----------------------------------   F(3, 1421)
=      6.86
             Model |  1.93614441         3  .645381471   Prob > F
=    0.0001
          Residual |  133.643856     1,421  .094049159   R-squared
=    0.0143
      -------------+----------------------------------   Adj R-squared
=    0.0122
             Total |      135.58     1,424  .095210674   Root MSE
=    .30667


------------------------------------------------------------------------------
                             inflation |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
      ---------------------------------
+------------------------------------------------------------------
                      1.out_party_treat |  -.0913058   .0209243    -4.36   0.000    -.1323517   -.0502598
                   1.combined_troll_1 |  -.0223529   .0238146    -0.94   0.348    -.0690685    .0243627
                                      |
      out_party_treat#combined_troll_1 |
                                   1 1  |   .0787787   .0332412     2.37   0.018     .0135716    .1439858
                                      |
                                _cons |   .7201946   .0151271    47.61   0.000     .6905207    .7498686
------------------------------------------------------------------------------


   542 .
   543 . *************************
   544 . ***ATTENUATION EFFECTS***
   545 . *************************
   546 .
   547 . *betas and SEs catalogued in this spreadsheet were entered
manually entered based on the regression results above
   548 . *numbers needed = betas and se's for the full sample and
beta's and se's for all flagged respondents
   549 .
   550 . insheet using "turk_06_29_2020/june_2020_attenuation_fx.csv",
clear names
      (7 vars, 2 obs)

   551 .
   552 . gen diff = nonsusp_beta - susp_beta
```

```
   553 . gen se_diff = sqrt(((nonsusp_se ^ 2) / 861) + (susp_se ^ 2) /
564)

   554 . gen weight = 1 / se_diff

   555 . reg diff [aw = weight]
      (sum of wgt is 1,601.40502929688)

            Source |       SS           df       MS      Number of obs
=         2
      -------------+----------------------------------   F(0, 1)
=      0.00
             Model |           0         0           .   Prob > F
=         .
          Residual |  4.5057e-06         1  4.5057e-06   R-squared
=    0.0000
      -------------+----------------------------------   Adj R-squared
=    0.0000
             Total |  4.5057e-06         1  4.5057e-06   Root MSE
=    .00212


------------------------------------------------------------------------
--------
              diff |      Coef.   Std. Err.      t    P>|t|     [95%
Conf. Interval]
      -------------
+----------------------------------------------------------------
             _cons |  -.0772139   .0015009   -51.44   0.012    -.
0962852   -.0581426

------------------------------------------------------------------------
--------

   556 .
   557 . *average treatment effect in the non-troll group
   558 . gen weight_nonsusp = 1 / nonsusp_se

   559 . reg nonsusp_beta [aw = weight_nonsusp]
      (sum of wgt is 97.67060089111328)

            Source |       SS           df       MS      Number of obs
=         2
      -------------+----------------------------------   F(0, 1)
=      0.00
             Model |           0         0           .   Prob > F
=         .
          Residual |  .000565405         1  .000565405   R-squared
=    0.0000
      -------------+----------------------------------   Adj R-squared
```

```
=    0.0000
             Total |  .000565405         1  .000565405   Root MSE
=    .02378


------------------------------------------------------------------------
--------
      nonsusp_beta |      Coef.   Std. Err.      t    P>|t|     [95%
Conf. Interval]
      -------------
+----------------------------------------------------------------------
             _cons |  -.1084369   .0168138    -6.45   0.098     -.
322076    .1052022

------------------------------------------------------------------------
--------

   560 .         * -.108
   561 .
   562 . *getting an attenuation effect, weighted by the inverse of
the estimated SE of the differences
   563 . gen attn = nonsusp_beta - full_beta

   564 . gen se_attn = sqrt(((nonsusp_se ^ 2) / 861) + (full_se ^ 2) /
1425)

   565 . gen attn_wt = 1 / se_attn

   566 . reg attn [aw = attn_wt]
      (sum of wgt is 2,455.63635253906)

             Source |       SS           df       MS      Number of obs
=         2
      -------------+----------------------------------   F(0, 1)
=      0.00
              Model |           0         0           .   Prob > F
=         .
           Residual |  2.3619e-06         1  2.3619e-06   R-squared
=    0.0000
      -------------+----------------------------------   Adj R-squared
=    0.0000
             Total |  2.3619e-06         1  2.3619e-06   Root MSE
=    .00154


------------------------------------------------------------------------
--------
              attn |      Coef.   Std. Err.      t    P>|t|     [95%
Conf. Interval]
      -------------
```

```
+------------------------------------------------------------------
             _cons |  -.0298358   .0010867   -27.46   0.023    -.
0436438   -.0160278

------------------------------------------------------------------
--------

   567 .         *-.0298358
   568 .
   569 . *putting it in percentage point terms. we observe treatment
effects that are...
   570 . gen attn_pct = full_beta / nonsusp_beta

   571 . reg attn_pct [aw = attn_wt]
      (sum of wgt is 2,455.63635253906)

            Source |       SS           df       MS      Number of obs
=         2
      -------------+----------------------------------   F(0, 1)
=      0.00
             Model |           0         0           .   Prob > F
=         .
          Residual |  .005898377         1  .005898377   R-squared
=    0.0000
      -------------+----------------------------------   Adj R-squared
=    0.0000
             Total |  .005898377         1  .005898377   Root MSE
=     .0768


------------------------------------------------------------------
--------
         attn_pct |      Coef.   Std. Err.      t    P>|t|     [95%
Conf. Interval]
      -------------
+----------------------------------------------------------------
             _cons |   .7165279   .0543064    13.19   0.048     .
0264992    1.406557

------------------------------------------------------------------
--------

   572 .         * .7165279 what they would be without suspicious
responses
   573 . *in other words, our treatment effects are attenuated by...
   574 .         display 1 -   .7165279
      .2834721

   575 .         * = .2834721 or 28.3%
   576 .
```

```
   end of do-file

577 . translate @Results 02_study2.txt
```