Statistics/Data Analysis

```
      name:  <unnamed>
       log:  C:\Users\SBokemper\Desktop\UnfairRules.smcl
  log type:  smcl
 opened on:  14 Nov 2018, 10:18:14

1 . do "C:\Users\SBokemper\Dropbox\Scott\Research\ReubenKlineProjects\ProceduralJustice\
  > Data\FairnessRatings\JEPS Replication File.do"

2 . *Set working directory to the file location
3 .
4 . use "JEPS Replication Data.dta", clear

5 .
6 . *** Equity and Self-Interest Results ***
7 . //T-tests for Participants in the Door Rule Condition//
8 . //Disadvantaged vs. Equal Comparison
9 . ttest fairratings if sourcecond == 1 & faircond != 2, by(faircond)

Two-sample t test with equal variances

   Group |     Obs        Mean    Std. Err.   Std. Dev.   [95% Conf. Interval]
---------+--------------------------------------------------------------------
       1 |      60          .4    .2540074    1.967533   -.1082677    .9082677
       3 |      61   -1.327869     .204754     1.59918   -1.737438   -.9182998
---------+--------------------------------------------------------------------
combined |     121   -.4710744    .1803251    1.983576   -.8281055   -.1140433
---------+--------------------------------------------------------------------
    diff |            1.727869    .3257023                1.082946    2.372792
------------------------------------------------------------------------------
    diff = mean(1) - mean(3)                                      t =   5.3051
Ho: diff = 0                                     degrees of freedom =      119

    Ha: diff < 0                 Ha: diff != 0                 Ha: diff > 0
 Pr(T < t) = 1.0000         Pr(|T| > |t|) = 0.0000          Pr(T > t) = 0.0000

10. *Effect size
11. esize twosample fairratings if sourcecond == 1 & faircond != 2, by(faircond)

Effect size based on mean comparison

                            Obs per group:
                              faircond==1 =         60
                              faircond==2 =          0
                              faircond==3 =         61

------------------------------------------------------------------------------
        Effect Size |   Estimate     [95% Conf. Interval]
--------------------+---------------------------------------------------------
          Cohen's d |    .9645884     .5859587    1.339577
        Hedges's g |    .9584942     .5822566    1.331113
------------------------------------------------------------------------------

12.
13. //Advantaged  vs. Equal Comparison
14. ttest fairratings if sourcecond == 1 & faircond < 3, by(faircond)

Two-sample t test with equal variances

   Group |     Obs        Mean    Std. Err.   Std. Dev.   [95% Conf. Interval]
---------+--------------------------------------------------------------------
       1 |      60          .4    .2540074    1.967533   -.1082677    .9082677
       2 |      60   -.0666667    .2677239     2.07378   -.6023809    .4690476
---------+--------------------------------------------------------------------
combined |     120    .1666667    .1849874    2.026436    -.199627    .5329603
---------+--------------------------------------------------------------------
    diff |            .4666667    .3690472               -.2641473    1.197481
------------------------------------------------------------------------------
    diff = mean(1) - mean(2)                                      t =   1.2645
Ho: diff = 0                                     degrees of freedom =      118
```

```
     Ha: diff < 0                 Ha: diff != 0                 Ha: diff > 0
 Pr(T < t) = 0.8957         Pr(|T| > |t|) = 0.2085          Pr(T > t) = 0.1043
```

```
15. *Effect size
16. esize twosample fairratings if sourcecond == 1 & faircond < 3, by(faircond)
```

Effect size based on mean comparison

Obs per group:
faircond==1 = 60
faircond==2 = 60
faircond==3 = 0

Effect Size	Estimate	[95% Conf.	Interval]
Cohen's *d*	**.2308682**	**-.1286637**	**.5894292**
Hedges's *g*	**.2293972**	**-.1278439**	**.5856736**

```
17.
18. //Advantaged vs. Disadvantaged Comparison
19. ttest fairratings if sourcecond == 1 & faircond >1, by(faircond)
```

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf.	Interval]
2	**60**	**-.0666667**	**.2677239**	**2.07378**	**-.6023809**	**.4690476**
3	**61**	**-1.327869**	**.204754**	**1.59918**	**-1.737438**	**-.9182998**
combined	**121**	**-.7024793**	**.1770763**	**1.947839**	**-1.053078**	**-.3518806**
diff		**1.261202**	**.3363332**		**.5952289**	**1.927175**

```
    diff = mean(2) - mean(3)                                      t =   3.7499
Ho: diff = 0                     degrees of freedom =      119

    Ha: diff < 0                 Ha: diff != 0                 Ha: diff > 0
 Pr(T < t) = 0.9999         Pr(|T| > |t|) = 0.0003          Pr(T > t) = 0.0001
```

```
20. *Effect Size
21. esize twosample fairratings if sourcecond == 1 & faircond >1, by(faircond)
```

Effect size based on mean comparison

Obs per group:
faircond==1 = 0
faircond==2 = 60
faircond==3 = 61

Effect Size	Estimate	[95% Conf.	Interval]
Cohen's *d*	**.6818159**	**.3137369**	**1.047185**
Hedges's *g*	**.6775082**	**.3117547**	**1.040569**

```
22.
23. //T-tests for Participants in the Eyes Rule Condition//
24. //Disadvantaged vs. Equal Comparison
25. ttest fairratings if sourcecond == 3 & faircond != 2, by(faircond)
```

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf.	Interval]
1	**62**	**.6129032**	**.2393748**	**1.884839**	**.1342438**	**1.091563**
3	**61**	**-2.360656**	**.1169578**	**.9134693**	**-2.594606**	**-2.126705**
combined	**123**	**-.8617886**	**.1894615**	**2.10123**	**-1.236847**	**-.4867306**
diff		**2.973559**	**.2677761**		**2.443425**	**3.503692**

diff = mean(**1**) - mean(**3**) t = **11.1046**
Ho: diff = 0 degrees of freedom = **121**

Ha: diff < 0 Ha: diff != 0 Ha: diff > 0
Pr(T < t) = **1.0000** Pr(|T| > |t|) = **0.0000** Pr(T > t) = **0.0000**

```
26. *Effect size
27. esize twosample fairratings if sourcecond == 3 & faircond != 2, by(faircond)
```

Effect size based on mean comparison

Obs per group:
faircond==1 = 62
faircond==2 = 0
faircond==3 = 61

Effect Size	Estimate	[95% Conf.	Interval]
Cohen's *d*	**2.00261**	**1.565686**	**2.433922**
Hedges's *g*	**1.990168**	**1.555958**	**2.418799**

```
28.
29. //Advantaged  vs. Equal Comparison
30. ttest fairratings if sourcecond == 3 & faircond < 3, by(faircond)
```

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf.	Interval]
1	**62**	**.6129032**	**.2393748**	**1.884839**	**.1342438**	**1.091563**
2	**57**	**-1.789474**	**.2060137**	**1.555369**	**-2.202169**	**-1.376779**
combined	**119**	**-.5378151**	**.1930976**	**2.106447**	**-.920201**	**-.1554292**
diff		**2.402377**	**.3183697**		**1.771862**	**3.032891**

diff = mean(**1**) - mean(**2**) t = **7.5459**
Ho: diff = 0 degrees of freedom = **117**

Ha: diff < 0 Ha: diff != 0 Ha: diff > 0
Pr(T < t) = **1.0000** Pr(|T| > |t|) = **0.0000** Pr(T > t) = **0.0000**

```
31. *Effect size
32. esize twosample fairratings if sourcecond == 3 & faircond < 3, by(faircond)
```

Effect size based on mean comparison

Obs per group:
faircond==1 = 62
faircond==2 = 57
faircond==3 = 0

Effect Size	Estimate	[95% Conf.	Interval]
Cohen's *d*	**1.384681**	**.9813254**	**1.783225**
Hedges's *g*	**1.375782**	**.9750191**	**1.771766**

```
33.
34. //Advantaged vs. Disadvantaged Comparison
35. ttest fairratings if sourcecond == 3 & faircond >1, by(faircond)
```

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf.	Interval]
2	**57**	**-1.789474**	**.2060137**	**1.555369**	**-2.202169**	**-1.376779**
3	**61**	**-2.360656**	**.1169578**	**.9134693**	**-2.594606**	**-2.126705**
combined	**118**	**-2.084746**	**.1188921**	**1.291499**	**-2.320205**	**-1.849286**
diff		**.5711821**	**.2329848**		**.1097263**	**1.032638**

diff = mean(**2**) - mean(**3**) t = **2.4516**
Ho: diff = 0 degrees of freedom = **116**

Ha: diff < 0 Ha: diff != 0 Ha: diff > 0
Pr(T < t) = **0.9921** Pr(|T| > |t|) = **0.0157** Pr(T > t) = **0.0079**

```
36. *Effect Size
37. esize twosample fairratings if sourcecond == 3 & faircond >1, by(faircond)
```

Effect size based on mean comparison

Obs per group:
faircond==1 = 0
faircond==2 = 57
faircond==3 = 61

Effect Size	Estimate	[95% Conf.	Interval]
Cohen's *d*	**.451633**	**.0849808**	**.8163872**
Hedges's *g*	**.4487056**	**.08443**	**.8110955**

```
38.
39. //T-tests for Participants in the Party Rule Condition//
40. //Disadvantaged vs. Equal Comparison
41. ttest fairratings if sourcecond == 2 & faircond != 2, by(faircond)
```

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf.	Interval]
1	**61**	**1.065574**	**.2370917**	**1.851746**	**.5913197**	**1.539828**
3	**60**	**-2.483333**	**.1176312**	**.9111674**	**-2.718713**	**-2.247954**
combined	**121**	**-.6942149**	**.2092368**	**2.301604**	**-1.108489**	**-.2799406**
diff		**3.548907**	**.266018**		**3.022165**	**4.075649**

diff = mean(**1**) - mean(**3**) t = **13.3409**
Ho: diff = 0 degrees of freedom = **119**

Ha: diff < 0 Ha: diff != 0 Ha: diff > 0
Pr(T < t) = **1.0000** Pr(|T| > |t|) = **0.0000** Pr(T > t) = **0.0000**

```
42. *Effect size
```

```
43. esize twosample fairratings if sourcecond == 2 & faircond != 2, by(faircond)
```

Effect size based on mean comparison

Obs per group:
faircond==1 = 61
faircond==2 = 0
faircond==3 = 60

Effect Size	Estimate	[95% Conf.	Interval]
Cohen's *d*	**2.425692**	**1.951761**	**2.893587**
Hedges's *g*	**2.410367**	**1.93943**	**2.875305**

```
44.
45. //Advantaged  vs. Equal Comparison
46. ttest fairratings if sourcecond == 2 & faircond < 3, by(faircond)
```

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf.	Interval]
1	**61**	**1.065574**	**.2370917**	**1.851746**	**.5913197**	**1.539828**
2	**59**	**-.7457627**	**.2676753**	**2.056053**	**-1.281573**	**-.2099525**
combined	**120**	**.175**	**.196133**	**2.148529**	**-.2133628**	**.5633628**
diff		**1.811336**	**.3569525**		**1.104473**	**2.5182**

diff = mean(**1**) - mean(**2**) t = **5.0744**
Ho: diff = 0 degrees of freedom = **118**

Ha: diff < 0 Ha: diff != 0 Ha: diff > 0
Pr(T < t) = **1.0000** Pr(|T| > |t|) = **0.0000** Pr(T > t) = **0.0000**

```
47. *Effect size
48. esize twosample fairratings if sourcecond == 2 & faircond < 3, by(faircond)
```

Effect size based on mean comparison

Obs per group:
faircond==1 = 61
faircond==2 = 59
faircond==3 = 0

Effect Size	Estimate	[95% Conf.	Interval]
Cohen's *d*	**.9265917**	**.5479458**	**1.301682**
Hedges's *g*	**.9206877**	**.5444544**	**1.293388**

```
49.
50. //Advantaged vs. Disadvantaged Comparison
51. ttest fairratings if sourcecond == 2 & faircond >1, by(faircond)
```

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf.	Interval]
2	**59**	**-.7457627**	**.2676753**	**2.056053**	**-1.281573**	**-.2099525**
3	**60**	**-2.483333**	**.1176312**	**.9111674**	**-2.718713**	**-2.247954**
combined	**119**	**-1.621849**	**.1653642**	**1.803911**	**-1.949315**	**-1.294383**
diff		**1.737571**	**.290722**		**1.161811**	**2.31333**

diff = mean(**2**) - mean(**3**) t = **5.9767**
Ho: diff = 0 degrees of freedom = **117**

```
    Ha: diff < 0                 Ha: diff != 0                 Ha: diff > 0
 Pr(T < t) = 1.0000         Pr(|T| > |t|) = 0.0000          Pr(T > t) = 0.0000
```

```
52. *Effect Size
53. esize twosample fairratings if sourcecond == 2 & faircond >1, by(faircond)
```

Effect size based on mean comparison

Obs per group:
faircond==1 = 0
faircond==2 = 59
faircond==3 = 60

Effect Size	Estimate	[95% Conf.	Interval]
Cohen's *d*	**1.095813**	**.7080167**	**1.47952**
Hedges's *g*	**1.088771**	**.7034668**	**1.470012**

```
54.
55.
56. *** Divisiveness and Affective Polarization Results***
57. ///T-tests for Participants in Disadvantaged Condition
  > //Eye vs. Door Comparison
58. ttest fairratings if faircond == 3 & sourcecond != 2, by(sourcecond)
```

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf.	Interval]
1	**61**	**-1.327869**	**.204754**	**1.59918**	**-1.737438**	**-.9182998**
3	**61**	**-2.360656**	**.1169578**	**.9134693**	**-2.594606**	**-2.126705**
combined	**122**	**-1.844262**	**.1264507**	**1.396693**	**-2.094605**	**-1.59392**
diff		**1.032787**	**.2358036**		**.5659122**	**1.499662**

```
    diff = mean(1) - mean(3)                                      t =   4.3799
Ho: diff = 0                     degrees of freedom =      120

    Ha: diff < 0                 Ha: diff != 0                 Ha: diff > 0
 Pr(T < t) = 1.0000         Pr(|T| > |t|) = 0.0000          Pr(T > t) = 0.0000
```

```
59. *Effect Size
60. esize twosample fairratings if faircond == 3 & sourcecond != 2, by(sourcecond)
```

Effect size based on mean comparison

Obs per group:
sourcecond==1 = 61
sourcecond==2 = 0
sourcecond==3 = 61

Effect Size	Estimate	[95% Conf.	Interval]
Cohen's *d*	**.7930679**	**.4227578**	**1.160309**
Hedges's *g*	**.7880992**	**.4201092**	**1.15304**

```
61.
```

```
62. //Door vs. Party Comparison
63. ttest fairratings if faircond == 3 & sourcecond < 3, by(sourcecond)

Two-sample t test with equal variances
```

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf.	Interval]
1	**61**	**-1.327869**	**.204754**	**1.59918**	**-1.737438**	**-.9182998**
2	**60**	**-2.483333**	**.1176312**	**.9111674**	**-2.718713**	**-2.247954**
combined	**121**	**-1.900826**	**.1293153**	**1.422468**	**-2.156862**	**-1.644791**
diff		**1.155464**	**.2371438**		**.6858961**	**1.625033**

```
    diff = mean(1) - mean(2)                                      t =   4.8724
Ho: diff = 0                     degrees of freedom =      119

    Ha: diff < 0                 Ha: diff != 0                 Ha: diff > 0
 Pr(T < t) = 1.0000         Pr(|T| > |t|) = 0.0000          Pr(T > t) = 0.0000

64. *Effect Size
65. esize twosample fairratings if faircond == 3 & sourcecond < 3, by(sourcecond)

Effect size based on mean comparison

                            Obs per group:
                            sourcecond==1 =         61
                            sourcecond==2 =         60
                            sourcecond==3 =          0
```

Effect Size	Estimate	[95% Conf.	Interval]
Cohen's *d*	**.885925**	**.5105412**	**1.257911**
Hedges's *g*	**.8803278**	**.5073156**	**1.249964**

```
66.
67. //Party vs. Eye Comparison
68. ttest fairratings if faircond == 3 & sourcecond >1, by(sourcecond)

Two-sample t test with equal variances
```

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf.	Interval]
2	**60**	**-2.483333**	**.1176312**	**.9111674**	**-2.718713**	**-2.247954**
3	**61**	**-2.360656**	**.1169578**	**.9134693**	**-2.594606**	**-2.126705**
combined	**121**	**-2.421488**	**.0827823**	**.9106048**	**-2.585391**	**-2.257585**
diff		**-.1226776**	**.1658836**		**-.4511437**	**.2057885**

```
    diff = mean(2) - mean(3)                                      t =  -0.7395
Ho: diff = 0                     degrees of freedom =      119

    Ha: diff < 0                 Ha: diff != 0                 Ha: diff > 0
 Pr(T < t) = 0.2305         Pr(|T| > |t|) = 0.4610          Pr(T > t) = 0.7695

69. *Effect Size
70. esize twosample fairratings if faircond == 3 & sourcecond >1, by(sourcecond)

Effect size based on mean comparison
```

Obs per group:
sourcecond==1 = 0
sourcecond==2 = 60
sourcecond==3 = 61

Effect Size	Estimate	[95% Conf.	Interval]
Cohen's *d*	**-.1344664**	**-.4909625**	**.2225928**
Hedges's *g*	**-.1336169**	**-.4878606**	**.2211864**

```
71.
72.
73. ///T-tests for Participants in Advantaged Condition
  > //Eye vs. Door Comparison
74. ttest fairratings if faircond == 2 & sourcecond != 2, by(sourcecond)
```

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf.	Interval]
1	**60**	**-.0666667**	**.2677239**	**2.07378**	**-.6023809**	**.4690476**
3	**57**	**-1.789474**	**.2060137**	**1.555369**	**-2.202169**	**-1.376779**
combined	**117**	**-.9059829**	**.187269**	**2.025624**	**-1.276893**	**-.535073**
diff		**1.722807**	**.3402681**		**1.048801**	**2.396813**

diff = mean(**1**) - mean(**3**) t = **5.0631**
Ho: diff = 0 degrees of freedom = **115**

Ha: diff < 0 Ha: diff != 0 Ha: diff > 0
Pr(T < t) = **1.0000** Pr(|T| > |t|) = **0.0000** Pr(T > t) = **0.0000**

```
75. *Effect Size
76. esize twosample fairratings if faircond == 2 & sourcecond != 2, by(sourcecond)
```

Effect size based on mean comparison

Obs per group:
sourcecond==1 = 60
sourcecond==2 = 0
sourcecond==3 = 57

Effect Size	Estimate	[95% Conf.	Interval]
Cohen's *d*	**.9364729**	**.5524898**	**1.316777**
Hedges's *g*	**.93035**	**.5488774**	**1.308167**

```
77.
78. //Door vs. Party Comparison
79. ttest fairratings if faircond == 2 & sourcecond < 3, by(sourcecond)
```

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf.	Interval]
1	**60**	**-.0666667**	**.2677239**	**2.07378**	**-.6023809**	**.4690476**
2	**59**	**-.7457627**	**.2676753**	**2.056053**	**-1.281573**	**-.2099525**
combined	**119**	**-.4033613**	**.1910694**	**2.084321**	**-.7817308**	**-.0249919**
diff		**.679096**	**.3786119**		**-.070725**	**1.428917**

diff = mean(**1**) - mean(**2**) t = **1.7936**
Ho: diff = 0 degrees of freedom = **117**

Ha: diff < 0 Ha: diff != 0 Ha: diff > 0
Pr(T < t) = **0.9623** Pr(|T| > |t|) = **0.0755** Pr(T > t) = **0.0377**

```
80. *Effect Size
81. esize twosample fairratings if faircond == 3 & sourcecond < 3, by(sourcecond)
```

Effect size based on mean comparison

Obs per group:
sourcecond==1 = 61
sourcecond==2 = 60
sourcecond==3 = 0

Effect Size	Estimate	[95% Conf.	Interval]
Cohen's *d*	**.885925**	**.5105412**	**1.257911**
Hedges's *g*	**.8803278**	**.5073156**	**1.249964**

```
82.
83. //Party vs. Eye Comparison
84. ttest fairratings if faircond == 2 & sourcecond >1, by(sourcecond)
```

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf.	Interval]
2	**59**	**-.7457627**	**.2676753**	**2.056053**	**-1.281573**	**-.2099525**
3	**57**	**-1.789474**	**.2060137**	**1.555369**	**-2.202169**	**-1.376779**
combined	**116**	**-1.258621**	**.1757915**	**1.893332**	**-1.60683**	**-.9104116**
diff		**1.043711**	**.3393765**		**.3714086**	**1.716013**

diff = mean(**2**) - mean(**3**) t = **3.0754**
Ho: diff = 0 degrees of freedom = **114**

Ha: diff < 0 Ha: diff != 0 Ha: diff > 0
Pr(T < t) = **0.9987** Pr(|T| > |t|) = **0.0026** Pr(T > t) = **0.0013**

```
85. *Effect Size
86. esize twosample fairratings if faircond == 3 & sourcecond >1, by(sourcecond)
```

Effect size based on mean comparison

Obs per group:
sourcecond==1 = 0
sourcecond==2 = 60
sourcecond==3 = 61

Effect Size	Estimate	[95% Conf.	Interval]
Cohen's *d*	**-.1344664**	**-.4909625**	**.2225928**
Hedges's *g*	**-.1336169**	**-.4878606**	**.2211864**

```
87.
88.
89. ***How does partisan strength relate to judgemnts of fairness discimrination (Table
  > 3)***
90. // Generate a dichomtomous variable for Strong/Moderate Partisanship (1) vs. Weak Pa
  > rtisanship (0)
91. gen strongparty = 0
```

```
92. replace strongparty = 1 if party != 3 & party != 4
  (264 real changes made)

93. ///Disadvantaged Participants///
  > //Door vs. Party for Strong Partisans
94. ttest fairratings if faircond == 3 & sourcecond<3 & strongparty == 1, by(sourcecond)

  Two-sample t test with equal variances
```

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf.	Interval]
1	**37**	**-1.216216**	**.2770911**	**1.685479**	**-1.778183**	**-.6542494**
2	**38**	**-2.578947**	**.1442673**	**.8893234**	**-2.871261**	**-2.286634**
combined	**75**	**-1.906667**	**.1731253**	**1.499309**	**-2.251626**	**-1.561707**
diff		**1.362731**	**.3100235**		**.7448552**	**1.980607**

```
    diff = mean(1) - mean(2)                                      t =   4.3956
Ho: diff = 0                     degrees of freedom =       73

    Ha: diff < 0                 Ha: diff != 0                 Ha: diff > 0
 Pr(T < t) = 1.0000         Pr(|T| > |t|) = 0.0000          Pr(T > t) = 0.0000

95. *Effect size
96. esize twosample fairratings if faircond == 3 & sourcecond <3 & strongparty == 1, by(
  > sourcecond)

  Effect size based on mean comparison

                          Obs per group:
                          sourcecond==1 =         37
                          sourcecond==2 =         38
                          sourcecond==3 =          0
```

Effect Size	Estimate	[95% Conf.	Interval]
Cohen's *d*	**1.015205**	**.5305209**	**1.49372**
Hedges's *g*	**1.004732**	**.5250485**	**1.478312**

```
97. //Eyes vs. Party for Strong Partisans
98. ttest fairratings if faircond == 3 & sourcecond > 1 & strongparty == 1, by(sourcecon
  > d)

  Two-sample t test with equal variances
```

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf.	Interval]
2	**38**	**-2.578947**	**.1442673**	**.8893234**	**-2.871261**	**-2.286634**
3	**27**	**-2.148148**	**.1662705**	**.8639669**	**-2.489922**	**-1.806374**
combined	**65**	**-2.4**	**.1113726**	**.8979142**	**-2.622492**	**-2.177508**
diff		**-.4307992**	**.221231**		**-.872894**	**.0112956**

```
    diff = mean(2) - mean(3)                                      t =  -1.9473
Ho: diff = 0                     degrees of freedom =       63

    Ha: diff < 0                 Ha: diff != 0                 Ha: diff > 0
 Pr(T < t) = 0.0280         Pr(|T| > |t|) = 0.0560          Pr(T > t) = 0.9720
```

```
99. *Effect size
100 esize twosample fairratings if faircond == 3 & sourcecond > 1 & strongparty == 1, by
  > (sourcecond)
```

Effect size based on mean comparison

Obs per group:
sourcecond==1 = 0
sourcecond==2 = 38
sourcecond==3 = 27

Effect Size	Estimate	[95% Conf.	Interval]
Cohen's *d*	**-.4901308**	**-.9889054**	**.0124178**
Hedges's *g*	**-.4842688**	**-.9770779**	**.0122692**

```
101 //Door vs. Party for Weak Partisans
102 ttest fairratings if faircond == 3 & sourcecond<3 & strongparty == 0, by(sourcecond)
```

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf.	Interval]
1	**24**	**-1.5**	**.3009646**	**1.47442**	**-2.122593**	**-.8774072**
2	**22**	**-2.318182**	**.2015778**	**.9454837**	**-2.737386**	**-1.898978**
combined	**46**	**-1.891304**	**.1921862**	**1.30347**	**-2.278387**	**-1.504222**
diff		**.8181818**	**.3690148**		**.0744814**	**1.561882**

diff = mean(**1**) - mean(**2**) t = **2.2172**
Ho: diff = 0 degrees of freedom = **44**

Ha: diff < 0 Ha: diff != 0 Ha: diff > 0
Pr(T < t) = **0.9841** Pr(|T| > |t|) = **0.0318** Pr(T > t) = **0.0159**

```
103 *Effect size
104 esize twosample fairratings if faircond == 3 & sourcecond <3 & strongparty == 0, by(
  > sourcecond)
```

Effect size based on mean comparison

Obs per group:
sourcecond==1 = 24
sourcecond==2 = 22
sourcecond==3 = 0

Effect Size	Estimate	[95% Conf.	Interval]
Cohen's *d*	**.6544373**	**.0565595**	**1.245275**
Hedges's *g*	**.6432076**	**.055589**	**1.223907**

```
105 //Eyes vs. Party for Weak Partisans
106 ttest fairratings if faircond == 3 & sourcecond > 1 & strongparty == 0, by(sourcecon
  > d)
```

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf.	Interval]
2	**22**	**-2.318182**	**.2015778**	**.9454837**	**-2.737386**	**-1.898978**
3	**34**	**-2.529412**	**.1592949**	**.9288407**	**-2.8535**	**-2.205324**
combined	**56**	**-2.446429**	**.1246284**	**.9326335**	**-2.696189**	**-2.196668**
diff		**.2112299**	**.2559272**		**-.3018733**	**.7243332**

diff = mean(**2**) - mean(**3**) t = **0.8254**
Ho: diff = 0 degrees of freedom = **54**

```
    Ha: diff < 0                 Ha: diff != 0                 Ha: diff > 0
 Pr(T < t) = 0.7936         Pr(|T| > |t|) = 0.4128          Pr(T > t) = 0.2064
```

```
107 *Effect size
108 esize twosample fairratings if faircond == 3 & sourcecond > 1 & strongparty == 0, by
  > (sourcecond)
```

Effect size based on mean comparison

Obs per group:
sourcecond==1 = 0
sourcecond==2 = 22
sourcecond==3 = 34

Effect Size	Estimate	[95% Conf.	Interval]
Cohen's *d*	**.2258303**	**-.3131669**	**.7627539**
Hedges's *g*	**.2226767**	**-.3087937**	**.7521025**

```
109
110 ///Advantaged Participants///
  > //Door vs. Party for Strong Partisans
111 ttest fairratings if faircond == 2 & sourcecond <3 & strongparty == 1, by(sourcecond
  > )
```

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf.	Interval]
1	**22**	**-.3636364**	**.4488825**	**2.105445**	**-1.297139**	**.5698658**
2	**30**	**-.8**	**.3756986**	**2.057786**	**-1.56839**	**-.0316101**
combined	**52**	**-.6153846**	**.2869114**	**2.068947**	**-1.191383**	**-.039386**
diff		**.4363636**	**.5832596**		**-.7351477**	**1.607875**

```
    diff = mean(1) - mean(2)                                      t =   0.7481
Ho: diff = 0                     degrees of freedom =       50

    Ha: diff < 0                 Ha: diff != 0                 Ha: diff > 0
 Pr(T < t) = 0.7711         Pr(|T| > |t|) = 0.4579          Pr(T > t) = 0.2289
```

```
112 *Effect size
113 esize twosample fairratings if faircond == 2 & sourcecond <3 & strongparty == 1, by(
  > sourcecond)
```

Effect size based on mean comparison

Obs per group:
sourcecond==1 = 22
sourcecond==2 = 30
sourcecond==3 = 0

Effect Size	Estimate	[95% Conf.	Interval]
Cohen's *d*	**.2099986**	**-.3427187**	**.7606324**
Hedges's *g*	**.2068301**	**-.3375477**	**.7491559**

```
114 //Eyes vs. Party for Strong Partisans
115 ttest fairratings if faircond == 2 & sourcecond > 1 & strongparty == 1, by(sourcecon
  > d)
```

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf.	Interval]
2	**30**	**-.8**	**.3756986**	**2.057786**	**-1.56839**	**-.0316101**
3	**30**	**-1.8**	**.2643578**	**1.447947**	**-2.340672**	**-1.259328**
combined	**60**	**-1.3**	**.236858**	**1.834694**	**-1.773952**	**-.8260483**
diff		**1**	**.4593849**		**.0804412**	**1.919559**

diff = mean(**2**) - mean(**3**) t = **2.1768**
Ho: diff = 0 degrees of freedom = **58**

Ha: diff < 0 Ha: diff != 0 Ha: diff > 0
Pr(T < t) = **0.9832** Pr(|T| > |t|) = **0.0336** Pr(T > t) = **0.0168**

```
116 esize twosample fairratings if faircond == 2 & sourcecond > 1 & strongparty == 1, by
  > (sourcecond)
```

Effect size based on mean comparison

Obs per group:
sourcecond==1 = 0
sourcecond==2 = 30
sourcecond==3 = 30

Effect Size	Estimate	[95% Conf.	Interval]
Cohen's *d*	**.5620535**	**.0434774**	**1.075976**
Hedges's *g*	**.5547488**	**.0429124**	**1.061992**

```
117 //Door vs. Party for Weak Partisans
118 ttest fairratings if faircond == 2 & sourcecond <3 & strongparty == 0, by(sourcecond
  > )
```

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf.	Interval]
1	**38**	**.1052632**	**.3347776**	**2.063708**	**-.5730608**	**.7835871**
2	**29**	**-.6896552**	**.3879447**	**2.089146**	**-1.484324**	**.1050136**
combined	**67**	**-.238806**	**.2561673**	**2.09682**	**-.7502605**	**.2726486**
diff		**.7949183**	**.5115673**		**-.2267522**	**1.816589**

diff = mean(**1**) - mean(**2**) t = **1.5539**
Ho: diff = 0 degrees of freedom = **65**

Ha: diff < 0 Ha: diff != 0 Ha: diff > 0
Pr(T < t) = **0.9375** Pr(|T| > |t|) = **0.1251** Pr(T > t) = **0.0625**

```
119 *Effect size
120 esize twosample fairratings if faircond == 2 & sourcecond <3 & strongparty == 0, by(
  > sourcecond)
```

Effect size based on mean comparison

```
                                Obs per group:
                                sourcecond==1 =         38
                                sourcecond==2 =         29
                                sourcecond==3 =          0
```

Effect Size	Estimate	[95% Conf.	Interval]
Cohen's *d*	**.3831478**	**-.106023**	**.8694282**
Hedges's *g*	**.3787069**	**-.1047942**	**.8593511**

```
121 //Eyes vs. Party for Weak Partisans
122 ttest fairratings if faircond == 2 & sourcecond > 1 & strongparty == 0, by(sourcecon
  > d)
```

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf.	Interval]
2	**29**	**-.6896552**	**.3879447**	**2.089146**	**-1.484324**	**.1050136**
3	**27**	**-1.777778**	**.3261331**	**1.694637**	**-2.448154**	**-1.107402**
combined	**56**	**-1.214286**	**.2632394**	**1.969903**	**-1.741829**	**-.6867421**
diff		**1.088123**	**.5106343**		**.0643625**	**2.111883**

diff = mean(**2**) - mean(**3**) t = **2.1309**
Ho: diff = 0 degrees of freedom = **54**

Ha: diff < 0 Ha: diff != 0 Ha: diff > 0
Pr(T < t) = **0.9812** Pr(|T| > |t|) = **0.0377** Pr(T > t) = **0.0188**

```
123 *Effect size
124 esize twosample fairratings if faircond == 2 & sourcecond > 1 & strongparty == 0, by
  > (sourcecond)
```

Effect size based on mean comparison

```
                                Obs per group:
                                sourcecond==1 =          0
                                sourcecond==2 =         29
                                sourcecond==3 =         27
```

Effect Size	Estimate	[95% Conf.	Interval]
Cohen's *d*	**.5698768**	**.0323342**	**1.102358**
Hedges's *g*	**.5619189**	**.0318826**	**1.086964**

```
125
126 /*Appendix Analyses start here*/
127 ***Table A1***
128 ///Disadvantaged Participants
  > //Door vs. Eyes Comparison
129 ranksum fairratings if faircond == 3 & sourcecond != 2, by(sourcecond)
```

Two-sample Wilcoxon rank-sum (Mann-Whitney) test

sourcecond	obs	rank sum	expected
1	**61**	**4456**	**3751.5**
3	**61**	**3047**	**3751.5**
combined	**122**	**7503**	**7503**

unadjusted variance **38140.25**
adjustment for ties **-4302.26**
adjusted variance **33837.99**

```
  Ho: fairra~s(source~d==1) = fairra~s(source~d==3)
              z =   3.830
    Prob > |z| =   0.0001

130 //Door vs. Party Comparison
131 ranksum fairratings if faircond == 3 & sourcecond < 3, by(sourcecond)

  Two-sample Wilcoxon rank-sum (Mann-Whitney) test

  sourcecond |       obs    rank sum    expected
-------------+---------------------------------
           1 |        61      4519.5        3721
           2 |        60      2861.5        3660
-------------+---------------------------------
    combined |       121        7381        7381

  unadjusted variance    37210.00
  adjustment for ties    -5245.50
                         ---------
  adjusted variance      31964.50

  Ho: fairra~s(source~d==1) = fairra~s(source~d==2)
              z =   4.466
    Prob > |z| =   0.0000

132 //Eyes vs. Party Comparison
133 ranksum fairratings if faircond == 3 & sourcecond >1, by(sourcecond)

  Two-sample Wilcoxon rank-sum (Mann-Whitney) test

  sourcecond |       obs    rank sum    expected
-------------+---------------------------------
           2 |        60        3493        3660
           3 |        61        3888        3721
-------------+---------------------------------
    combined |       121        7381        7381

  unadjusted variance    37210.00
  adjustment for ties   -10026.69
                         ---------
  adjusted variance      27183.31

  Ho: fairra~s(source~d==2) = fairra~s(source~d==3)
              z =  -1.013
    Prob > |z| =   0.3111

134 ///Advantaged Participants
  > //Door vs. Eyes Comparison
135 ranksum fairratings if faircond == 2 & sourcecond != 2, by(sourcecond)

  Two-sample Wilcoxon rank-sum (Mann-Whitney) test

  sourcecond |       obs    rank sum    expected
-------------+---------------------------------
           1 |        60        4369        3540
           3 |        57        2534        3363
-------------+---------------------------------
    combined |       117        6903        6903

  unadjusted variance    33630.00
  adjustment for ties    -1641.08
                         ---------
  adjusted variance      31988.92

  Ho: fairra~s(source~d==1) = fairra~s(source~d==3)
              z =   4.635
    Prob > |z| =   0.0000
```

```
136 //Door vs. Party Comparison
137 ranksum fairratings if faircond == 2 & sourcecond < 3, by(sourcecond)

  Two-sample Wilcoxon rank-sum (Mann-Whitney) test

  sourcecond |       obs    rank sum    expected
-------------+---------------------------------
           1 |        60      3941.5        3600
           2 |        59      3198.5        3540
-------------+---------------------------------
    combined |       119        7140        7140

unadjusted variance    35400.00
adjustment for ties    -1274.37
                       --------
adjusted variance      34125.63

Ho: fairra~s(source~d==1) = fairra~s(source~d==2)
           z =   1.849
    Prob > |z| =   0.0645

138 //Eyes vs. Party Comparison
139 ranksum fairratings if faircond == 2 & sourcecond >1, by(sourcecond)

  Two-sample Wilcoxon rank-sum (Mann-Whitney) test

  sourcecond |       obs    rank sum    expected
-------------+---------------------------------
           2 |        59      3967.5      3451.5
           3 |        57      2818.5      3334.5
-------------+---------------------------------
    combined |       116        6786        6786

unadjusted variance    32789.25
adjustment for ties    -2182.55
                       --------
adjusted variance      30606.70

Ho: fairra~s(source~d==2) = fairra~s(source~d==3)
           z =   2.949
    Prob > |z| =   0.0032

140
141 ***Table A2***
142
143 ///OLS for Disadvantaged Participants
  > reg fairratings i.sourcecond female age if faircond == 3

      Source |       SS           df       MS      Number of obs   =       181
-------------+----------------------------------   F(4, 176)       =      9.55
       Model |  53.6197029         4  13.4049257   Prob > F        =    0.0000
    Residual |  246.932783       176  1.40302718   R-squared       =    0.1784
-------------+----------------------------------   Adj R-squared   =    0.1597
       Total |  300.552486       180  1.66973603   Root MSE        =    1.1845

------------------------------------------------------------------------------
 fairratings |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
  sourcecond |
           2 |  -1.148402   .2170887    -5.29   0.000    -1.576834   -.7199701
           3 |  -1.057932   .2151844    -4.92   0.000    -1.482606   -.6332581
             |
      female |   -.338855   .1766541    -1.92   0.057    -.6874879     .009778
         age |  -.0016993     .00785    -0.22   0.829    -.0171916     .013793
       _cons |  -1.099335   .3110941    -3.53   0.001     -1.71329   -.4853803
------------------------------------------------------------------------------
```

```
144 *Comparison of party rule to eyes rule
145 test 2.sourcecond = 3.sourcecond

   ( 1)  2.sourcecond - 3.sourcecond = 0

         F(  1,   176) =    0.17
              Prob > F =    0.6797

146 ///OLS for Advantaged Participants
  > reg fairratings i.sourcecond female age if faircond ==2
```

Source	SS	df	MS		
Model	96.6020055	4	24.1505014	Number of obs	= 176
Residual	625.557085	171	3.65822857	F(4, 171)	= 6.60
				Prob > F	= 0.0001
Total	722.159091	175	4.12662338	R-squared	= 0.1338
				Adj R-squared	= 0.1135
				Root MSE	= 1.9126

fairratings	Coef.	Std. Err.	t	P>|t|	[95% Conf.	Interval]
sourcecond						
2	-.6082185	.3536299	-1.72	0.087	-1.306261	.0898236
3	-1.690192	.3552075	-4.76	0.000	-2.391348	-.9890355
female	-.346774	.2926038	-1.19	0.238	-.9243546	.2308066
age	-.0128768	.0138346	-0.93	0.353	-.0401855	.0144318
_cons	.4643876	.5050463	0.92	0.359	-.5325403	1.461316

```
147
148
  end of do-file

149 log close
       name:  <unnamed>
        log:  C:\Users\SBokemper\Desktop\UnfairRules.smcl
   log type:  smcl
  closed on:  14 Nov 2018, 10:18:28
```