```
1 . use "/Users/michaelodonnell/Dropbox/Research/UCSB Asymmetry Without Cause/Final Data for Analysis/UCSB__
  > Asymmetry_Without_Cause_to_analyze.dta"

2 . do "/var/folders/jg/24l23cq53cq2m6d8dbn69rx80000gn/T//SD83608.000000"

3 . **Analyze 2nd 750 first. If working with cleaned data, can start here
4 . //(note I misnamed this column. The indicator variable is
5 . //called first_1500, but I meant 50
6 .
7 . **preserve seems not to work in do.file, might need to manually do in command line
8 . preserve

9 .
10 . drop if first_1500 == 1
   (1,815 observations deleted)

11 .
12 . *drop incompletes
13 . drop if v10==0
   (580 observations deleted)

14 . *drop non-consent (their data is blank but dropping to make things cleaner)
15 . drop if q27==2
   (89 observations deleted)

16 .
17 . *apply attention checks
18 . keep if cyn_ac_check==1 & hex_ac_check==1
   (14 observations deleted)

19 . keep if hex_ac==1&cyn_ac==5
   (117 observations deleted)

20 .
21 . *main ANOVA analysis
22 .
23 . anova responsibility good_first
```

	Number of obs =	1,021	R-squared	=	0.0204
	Root MSE =	1.35855	Adj R-squared =		0.0195

Source	Partial SS	df	MS	F	Prob>F
Model	39.207956	1	39.207956	21.24	0.0000
good_first	39.207956	1	39.207956	21.24	0.0000
Residual	1880.7294	1,019	1.8456618		
Total	1919.9373	1,020	1.8822915		

```
24 . margins good_first
```

Adjusted predictions   Number of obs   =   1,021

Expression   : **Linear prediction, predict()**

	Margin	Delta-method Std. Err.	t	P>|t|	[95% Conf. Interval]	
good_first bad first	2.794466	.060395	46.27	0.000	2.675954	2.912979

```
    good first │   3.186408   .0598649    53.23   0.000     3.068935      3.30388
              ─────────────────────────────────────────────────────────────────
```

```
25 .
26 . esize twosample responsibility, by(good_first) all
```

Effect size based on mean comparison

```
                              Obs per group:
                                   bad first =         506
                                  good first =         515
```

Effect Size	Estimate	[95% Conf. Interval]	
Cohen's d	−.2884995	−.4117493	−.1651095
Hedges's g	−.2882871	−.4114462	−.1649879
Glass's Delta 1	−.2881033	−.4119252	−.1640018
Glass's Delta 2	−.2888903	−.4126988	−.1648063
Point-Biserial r	−.1429037	−.2018279	−.0823518

```
27 .
28 . *drop accidental hex_scores >5 // fortunately this only drops 53 participants in
29 . //the 2nd 750
30 . drop if hex1_check > 1 | hex2_check>1 | hex3_check>1
   (53 observations deleted)
```

```
31 .
32 . alpha hex1-hex3, item
```

Test scale = mean(unstandardized items)

Item	Obs	Sign	item-test correlation	item-rest correlation	average interitem covariance	alpha
hex1	968	+	0.7780	0.5085	.5840249	0.5155
hex2	968	+	0.7551	0.4281	.6942191	0.6199
hex3	968	+	0.7823	0.4769	.591298	0.5532
Test scale					.6231807	0.6588

```
33 .
34 . gen hex_total = (hex1 + hex2 + hex3)/3
```

```
35 .
36 . anova responsibility good_first c.hex_total
```

```
                     Number of obs =        968    R-squared      =  0.0213
                     Root MSE      =    1.35573    Adj R-squared  =  0.0193
```

Source	Partial SS	df	MS	F	Prob>F
Model	38.58586	2	19.29293	10.50	0.0000
good_first	38.569186	1	38.569186	20.98	0.0000
hex_total	.06032796	1	.06032796	0.03	0.8563
Residual	1773.661	965	1.8379907		
Total	1812.2469	967	1.8740919		

```
37 .
38 . restore

39 .
40 . **Analyze 1st 750 second
41 .
42 . preserve

43 .
44 . drop if first_1500 == 0
   (1,821 observations deleted)

45 .
46 . *drop incompletes
47 . drop if v10==0
   (353 observations deleted)

48 . *drop non-consent (their data is blank but dropping to make things cleaner)
49 . drop if q27==2
   (58 observations deleted)

50 .
51 . *apply attention checks
52 . keep if cyn_ac_check==1 & hex_ac_check==1
   (17 observations deleted)

53 . keep if hex_ac==1&cyn_ac==5
   (126 observations deleted)

54 .
55 . *main ANOVA analysis
56 .
57 . anova responsibility good_first
```

	Number of obs =	1,261	R-squared	=	0.0183
	Root MSE =	1.33525	Adj R-squared =		0.0175

Source	Partial SS	df	MS	F	Prob>F
Model	41.871659	1	41.871659	23.49	0.0000
good_first	41.871659	1	41.871659	23.49	0.0000
Residual	2244.6676	1,259	1.7828972		
Total	2286.5393	1,260	1.8147137		

```
58 . margins good_first
```

Adjusted predictions   Number of obs   =   1,261

Expression   : **Linear prediction, predict()**

	Margin	Delta-method Std. Err.	t	P>|t|	[95% Conf. Interval]
good_first						
bad first	2.76131	.0527393	52.36	0.000	2.657844 2.864777
good first	3.125806	.053625	58.29	0.000	3.020602 3.231011

```
59 .
```

```
60 . esize twosample responsibility, by(good_first) all

   Effect size based on mean comparison
```

```
                              Obs per group:
                                 bad first =        641
                                good first =        620
```

Effect Size	Estimate	[95% Conf. Interval]	
Cohen's *d*	-.2729792	-.383842	-.162009
Hedges's *g*	-.2728166	-.3836133	-.1619124
Glass's Delta 1	-.275967	-.387294	-.1644282
Glass's Delta 2	-.2699899	-.381305	-.1584605
Point-Biserial r	-.1353227	-.1886003	-.0807926

```
61 .
62 . *drop accidental hex_scores >5 // fortunately this only drops 50 participants in
63 . //the 1st 750
64 . drop if hex1_check > 1 | hex2_check>1 | hex3_check>1
   (50 observations deleted)

65 .
66 . alpha hex1-hex3, item

   Test scale = mean(unstandardized items)
```

Item	Obs	Sign	item-test correlation	item-rest correlation	average interitem covariance	alpha
hex1	1211	+	0.7670	0.4820	.5704199	0.5044
hex2	1211	+	0.7353	0.3919	.7155128	0.6252
hex3	1211	+	0.7886	0.4833	.5171691	0.4970
Test scale					.6010339	0.6413

```
67 .
68 . gen hex_total = (hex1 + hex2 + hex3)/3

69 .
70 . anova responsibility good_first c.hex_total
```

```
                    Number of obs =      1,211    R-squared      =  0.0191
                    Root MSE      =    1.33515    Adj R-squared =  0.0174
```

Source	Partial SS	df	MS	F	Prob>F
Model	41.872394	2	20.936197	11.74	0.0000
good_first	39.476379	1	39.476379	22.14	0.0000
hex_total	2.6375666	1	2.6375666	1.48	0.2241
Residual	2153.4208	1,208	1.7826331		
Total	2195.2931	1,210	1.8142919		

```
71 .
72 . restore

73 .
```

```
74 .
75 . **analyze total data file
76 .
77 . preserve

78 .
79 . *drop incompletes
80 . drop if v10==0
   (933 observations deleted)

81 . *drop non-consent (their data is blank but dropping to make things cleaner)
82 . drop if q27==2
   (147 observations deleted)

83 .
84 . *apply attention checks
85 . keep if cyn_ac_check==1 & hex_ac_check==1
   (31 observations deleted)

86 . keep if hex_ac==1&cyn_ac==5
   (243 observations deleted)

87 .
88 . *main ANOVA analysis
89 .
90 . anova responsibility good_first
```

| | | Number of obs = | 2,282 | R-squared | = | 0.0193 |
| | | Root MSE | = | 1.34535 | Adj R-squared = | 0.0189 |

Source	Partial SS	df	MS	F	Prob>F
Model	81.240179	1	81.240179	44.88	0.0000
good_first	81.240179	1	81.240179	44.88	0.0000
Residual	4126.741	2,280	1.8099741		
Total	4207.9812	2,281	1.8447966		

```
91 . margins good_first

   Adjusted predictions                        Number of obs     =      2,282

   Expression   : Linear prediction, predict()
```

| | | Delta-method | | | | |
	Margin	Std. Err.	t	P>|t|	[95% Conf. Interval]
good_first						
bad first	2.775937	.0397241	69.88	0.000	2.698038	2.853836
good first	3.153304	.0399336	78.96	0.000	3.074994	3.231614

```
92 .
93 . esize twosample responsibility, by(good_first) all

   Effect size based on mean comparison

                         Obs per group:
                            bad first =      1,147
                           good first =      1,135
```

Effect Size	Estimate	[95% Conf. Interval]	
Cohen's *d*	−.2804965	−.3629279	−.1980042
Hedges's *g*	−.2804042	−.3628085	−.197939
Glass's Delta 1	−.2820519	−.3648588	−.1991243
Glass's Delta 2	−.2789505	−.3617481	−.1960321
Point-Biserial r	−.1389468	−.1786214	−.0985619

```
94 .
95 . *drop accidental hex_scores >5 // fortunately this only drops 103 participants in
96 . //total
97 . drop if hex1_check > 1 | hex2_check>1 | hex3_check>1
   (103 observations deleted)

98 .
99 . alpha hex1-hex3, item

   Test scale = mean(unstandardized items)
```

Item	Obs	Sign	item-test correlation	item-rest correlation	average interitem covariance	alpha
hex1	2179	+	0.7715	0.4924	.5759877	0.5091
hex2	2179	+	0.7435	0.4069	.7065136	0.6226
hex3	2179	+	0.7857	0.4804	.5483191	0.5205
Test scale					.6102735	0.6485

```
100 .
101 . gen hex_total = (hex1 + hex2 + hex3)/3

102 .
103 . anova responsibility good_first c.hex_total
```

	Number of obs =	2,179	R-squared	=	0.0198
	Root MSE =	1.34364	Adj R-squared =		0.0189

Source	Partial SS	df	MS	F	Prob>F
Model	79.480098	2	39.740049	22.01	0.0000
good_first	78.375943	1	78.375943	43.41	0.0000
hex_total	1.8209701	1	1.8209701	1.01	0.3153
Residual	3928.4648	2,176	1.8053607		
Total	4007.9449	2,178	1.8401951		

```
104 .
105 . restore

106 .
   end of do-file
```

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