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GLM weak_mean strong_mean BY clip_weight
  /WSFACTOR=argument_strength 2 Polynomial
  /METHOD=SSTYPE(3)
  /EMMEANS=TABLES(OVERALL)
  /EMMEANS=TABLES(clip_weight)
  /EMMEANS=TABLES(argument_strength)
  /EMMEANS=TABLES(clip_weight*argument_strength)
  /PRINT=DESCRIPTIVE
  /CRITERIA=ALPHA(.05)
  /WSDESIGN=argument_strength
  /DESIGN=clip_weight.

```

General Linear Model

Within-Subjects Factors

Measure: MEASURE_1

argument_strength	Dependent Variable
1	weak_mean
2	strong_mean

Between-Subjects Factors

	Value Label	N
weight of the clipboard 0=light 2=heavy	.00 light	21
	1.00 heavy	20

Descriptive Statistics

	weight of the clipboard 0=light 2=heavy	Mean	Std. Deviation	N
mean of all weak items	light	4.1508	1.15218	21
	heavy	4.4417	1.16764	20
	Total	4.2927	1.15457	41
mean of all strong items	light	5.4127	.77391	21
	heavy	5.3167	.64414	20
	Total	5.3659	.70634	41

Multivariate Tests^a

Effect		Value	F	Hypothesis df	Error df
argument_strength	Pillai's Trace	.519	42.022 ^b	1.000	39.000
	Wilks' Lambda	.481	42.022 ^b	1.000	39.000
	Hotelling's Trace	1.077	42.022 ^b	1.000	39.000
	Roy's Largest Root	1.077	42.022 ^b	1.000	39.000
argument_strength * clip_weight	Pillai's Trace	.034	1.378 ^b	1.000	39.000
	Wilks' Lambda	.966	1.378 ^b	1.000	39.000
	Hotelling's Trace	.035	1.378 ^b	1.000	39.000
	Roy's Largest Root	.035	1.378 ^b	1.000	39.000

Multivariate Tests^a

Effect		Sig.
argument_strength	Pillai's Trace	.000
	Wilks' Lambda	.000
	Hotelling's Trace	.000
	Roy's Largest Root	.000
argument_strength * clip_weight	Pillai's Trace	.248
	Wilks' Lambda	.248
	Hotelling's Trace	.248
	Roy's Largest Root	.248

a. Design: Intercept + clip_weight
 Within Subjects Design: argument_strength

b. Exact statistic

Mauchly's Test of Sphericity^a

Measure: MEASURE_1

Within Subjects Effect	Mauchly's W	Approx. Chi-Square	df	Sig.	Epsilon ^b
					Greenhouse-Geisser
argument_strength	1.000	.000	0	.	1.000

Mauchly's Test of Sphericity^a

Measure: MEASURE_1

Within Subjects Effect	Epsilon ^b	
	Huynh-Feldt	Lower-bound
argument_strength	1.000	1.000

Tests the null hypothesis that the error covariance matrix of the orthonormalized transformed dependent variables is proportional to an identity matrix.

a. Design: Intercept + clip_weight
 Within Subjects Design: argument_strength

b. May be used to adjust the degrees of freedom for the averaged tests of significance. Corrected tests are displayed in the Tests of Within-Subjects Effects table.

Tests of Within-Subjects Effects

Measure: MEASURE_1

Source		Type III Sum of Squares	df	Mean Square
argument_strength	Sphericity Assumed	23.389	1	23.389
	Greenhouse-Geisser	23.389	1.000	23.389
	Huynh-Feldt	23.389	1.000	23.389
	Lower-bound	23.389	1.000	23.389
argument_strength * clip_weight	Sphericity Assumed	.767	1	.767
	Greenhouse-Geisser	.767	1.000	.767
	Huynh-Feldt	.767	1.000	.767
	Lower-bound	.767	1.000	.767
Error(argument_strength)	Sphericity Assumed	21.707	39	.557
	Greenhouse-Geisser	21.707	39.000	.557
	Huynh-Feldt	21.707	39.000	.557
	Lower-bound	21.707	39.000	.557

Tests of Within-Subjects Effects

Measure: MEASURE_1

Source		F	Sig.
argument_strength	Sphericity Assumed	42.022	.000
	Greenhouse-Geisser	42.022	.000
	Huynh-Feldt	42.022	.000
	Lower-bound	42.022	.000
argument_strength * clip_weight	Sphericity Assumed	1.378	.248
	Greenhouse-Geisser	1.378	.248
	Huynh-Feldt	1.378	.248
	Lower-bound	1.378	.248
Error(argument_strength)	Sphericity Assumed		
	Greenhouse-Geisser		
	Huynh-Feldt		
	Lower-bound		

Tests of Within-Subjects Contrasts

Measure: MEASURE_1

Source		Type III Sum of Squares	df	Mean Square
argument_strength	Linear	23.389	1	23.389
argument_strength * clip_weight	Linear	.767	1	.767
Error(argument_strength)	Linear	21.707	39	.557

Tests of Within-Subjects Contrasts

Measure: MEASURE_1

Source	argument_strength	F	Sig.
argument_strength	Linear	42.022	.000
argument_strength * clip_weight	Linear	1.378	.248
Error(argument_strength)	Linear		

Tests of Between-Subjects Effects

Measure: MEASURE_1

Transformed Variable: Average

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Intercept	1912.193	1	1912.193	1473.541	.000
clip_weight	.194	1	.194	.150	.701
Error	50.610	39	1.298		

Estimated Marginal Means

1. Grand Mean

Measure: MEASURE_1

Mean	Std. Error	95% Confidence Interval	
		Lower Bound	Upper Bound
4.830	.126	4.576	5.085

2. weight of the clipboard 0=light 2=heavy

Measure: MEASURE_1

weight of the clipboard 0=light 2=heavy	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
light	4.782	.176	4.426	5.137
heavy	4.879	.180	4.515	5.243

3. argument_strength

Measure: MEASURE_1

argument_strength	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	4.296	.181	3.930	4.663
2	5.365	.111	5.139	5.590

4. weight of the clipboard 0=light 2=heavy * argument_strength

Measure: MEASURE_1

weight of the clipboard 0=light 2=heavy		argument strength	Mean	Std. Error	95% ...
					Lower Bound
light	1		4.151	.253	3.639
	2		5.413	.156	5.098
heavy	1		4.442	.259	3.917
	2		5.317	.160	4.994

4. weight of the clipboard 0=light 2=heavy * argument_strength

Measure: MEASURE_1

weight of the clipboard 0=light 2=heavy		argument strength	95% ...
			Upper Bound
light	1		4.663
	2		5.728
heavy	1		4.966
	2		5.639