```
GLM acq_csp_fix_count acq_csm_fix_count BY iu_group WITH sticsa_total_centred
  /WSFACTOR=stimulus 2 Polynomial
  /MEASURE=acq_fix_count
  /METHOD=SSTYPE(3)
  /EMMEANS=TABLES(OVERALL) WITH(sticsa_total_centred=MEAN)
  /EMMEANS=TABLES(iu_group) WITH(sticsa_total_centred=MEAN)COMPARE ADJ(BONFERR
ONI)
  /EMMEANS=TABLES(stimulus) WITH(sticsa_total_centred=MEAN)COMPARE ADJ(BONFERR
ONI)
  /EMMEANS=TABLES(iu_group*stimulus) WITH(sticsa_total_centred=MEAN) COMPARE (
iu_group) ADJ(BONFERRONI)
  /EMMEANS=TABLES(iu_group*stimulus) WITH(sticsa_total_centred=MEAN) COMPARE (
stimulus) ADJ(BONFERRONI)
  /PRINT=DESCRIPTIVE ETASQ
  /CRITERIA=ALPHA(.05)
  /WSDESIGN=stimulus
  /DESIGN=sticsa_total_centrediu_group.
```

General Linear Model

Notes

Output Created		27-AUG-2021 10:27:03
Comments		
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Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data for all variables in the model.

Notes

Syntax		GLM acq_csp_fix_count acq_csm_fix_count BY iu_group WITH sticsa_total_centred /WSFACTOR=stimulus 2 Polynomial /MEASURE=acq_fix_count /METHOD=SSTYPE(3) /EMMEANS=TABLES (OVERALL) WITH (sticsa_total_centred=MEAN) /EMMEANS=TABLES (iu_group) WITH (sticsa_total_centred=MEAN)COMPARE ADJ (BONFERRONI) /EMMEANS=TABLES (stimulus) WITH (sticsa_total_centred=MEAN)COMPARE ADJ (BONFERRONI) /EMMEANS=TABLES (iu_group*stimulus) WITH (sticsa_total_centred=MEAN) COMPARE (iu_group) ADJ(BONFERRONI) /EMMEANS=TABLES (iu_group*stimulus) WITH (sticsa_total_centred=MEAN) COMPARE (stimulus) ADJ(BONFERRONI) /PRINT=DESCRIPTIVE ETASQ /CRITERIA=ALPHA(.05) /WSDESIGN=stimulus /DESIGN=sticsa_total_cen...
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	Elapsed Time	00:00:00.16

Within-Subjects Factors

Measure: acq_fix_count

stimulus	Dependent Variable
1	acq_csp_fix_count
2	acq_csm_fix_count

Between-Subjects Factors

		Value Label	N
iu_group	-1	low IU	71
	1	high IU	68

Descriptive Statistics

	iu_group	Mean	Std. Deviation	N
acq_csp_fix_count	low IU	6.326760563	3.381633961	71
	high IU	7.508333333	3.844089927	68
	Total	6.904796163	3.650525652	139
acq_csm_fix_count	low IU	6.668373880	3.306950441	71
	high IU	7.970588235	3.072127840	68
	Total	7.305428385	3.249034113	139

Multivariate Tests[a]

Effect		Value	F	Hypothesis df	Error df
stimulus	Pillai's Trace	.079	11.622[b]	1.000	136.000
	Wilks' Lambda	.921	11.622[b]	1.000	136.000
	Hotelling's Trace	.085	11.622[b]	1.000	136.000
	Roy's Largest Root	.085	11.622[b]	1.000	136.000
stimulus * sticsa_total_centred	Pillai's Trace	.013	1.845[b]	1.000	136.000
	Wilks' Lambda	.987	1.845[b]	1.000	136.000
	Hotelling's Trace	.014	1.845[b]	1.000	136.000
	Roy's Largest Root	.014	1.845[b]	1.000	136.000
stimulus * iu_group	Pillai's Trace	.009	1.230[b]	1.000	136.000
	Wilks' Lambda	.991	1.230[b]	1.000	136.000
	Hotelling's Trace	.009	1.230[b]	1.000	136.000
	Roy's Largest Root	.009	1.230[b]	1.000	136.000

Multivariate Tests[a]

Effect		Sig.	Partial Eta Squared
stimulus	Pillai's Trace	.001	.079
	Wilks' Lambda	.001	.079
	Hotelling's Trace	.001	.079
	Roy's Largest Root	.001	.079
stimulus * sticsa_total_centred	Pillai's Trace	.177	.013
	Wilks' Lambda	.177	.013
	Hotelling's Trace	.177	.013
	Roy's Largest Root	.177	.013
stimulus * iu_group	Pillai's Trace	.269	.009
	Wilks' Lambda	.269	.009
	Hotelling's Trace	.269	.009
	Roy's Largest Root	.269	.009

a. Design: Intercept + sticsa_total_centred + iu_group
Within Subjects Design: stimulus

b. Exact statistic

Mauchly's Test of Sphericity[a]

Measure: acq_fix_count

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

Mauchly's Test of Sphericity[a]

Measure: acq_fix_count

Within Subjects Effect	Epsilon[b] Huynh-Feldt	Lower-bound
stimulus	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 + sticsa_total_centred + iu_group
Within Subjects Design: stimulus

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: acq_fix_count

Source		Type III Sum of Squares	df	Mean Square	F
stimulus	Sphericity Assumed	11.330	1	11.330	11.622
	Greenhouse-Geisser	11.330	1.000	11.330	11.622
	Huynh-Feldt	11.330	1.000	11.330	11.622
	Lower-bound	11.330	1.000	11.330	11.622
stimulus * sticsa_total_centred	Sphericity Assumed	1.799	1	1.799	1.845
	Greenhouse-Geisser	1.799	1.000	1.799	1.845
	Huynh-Feldt	1.799	1.000	1.799	1.845
	Lower-bound	1.799	1.000	1.799	1.845
stimulus * iu_group	Sphericity Assumed	1.199	1	1.199	1.230
	Greenhouse-Geisser	1.199	1.000	1.199	1.230
	Huynh-Feldt	1.199	1.000	1.199	1.230
	Lower-bound	1.199	1.000	1.199	1.230
Error(stimulus)	Sphericity Assumed	132.582	136	.975	
	Greenhouse-Geisser	132.582	136.000	.975	

Tests of Within-Subjects Effects

Measure: acq_fix_count

Source		Sig.	Partial Eta Squared
stimulus	Sphericity Assumed	.001	.079
	Greenhouse-Geisser	.001	.079
	Huynh-Feldt	.001	.079
	Lower-bound	.001	.079
stimulus * sticsa_total_centred	Sphericity Assumed	.177	.013
	Greenhouse-Geisser	.177	.013
	Huynh-Feldt	.177	.013
	Lower-bound	.177	.013
stimulus * iu_group	Sphericity Assumed	.269	.009
	Greenhouse-Geisser	.269	.009
	Huynh-Feldt	.269	.009
	Lower-bound	.269	.009
Error(stimulus)	Sphericity Assumed		
	Greenhouse-Geisser		

Tests of Within-Subjects Effects

Measure: acq_fix_count

Source		Type III Sum of Squares	df	Mean Square	F
	Huynh-Feldt	132.582	136.000	.975	
	Lower-bound	132.582	136.000	.975	

Tests of Within-Subjects Effects

Measure: acq_fix_count

Source		Sig.	Partial Eta Squared
	Huynh-Feldt		
	Lower-bound		

Tests of Within-Subjects Contrasts

Measure: acq_fix_count

Source	stimulus	Type III Sum of Squares	df	Mean Square	F	Sig.
stimulus	Linear	11.330	1	11.330	11.622	.001
stimulus * sticsa_total_centred	Linear	1.799	1	1.799	1.845	.177
stimulus * iu_group	Linear	1.199	1	1.199	1.230	.269
Error(stimulus)	Linear	132.582	136	.975		

Tests of Within-Subjects Contrasts

Measure: acq_fix_count

Source	stimulus	Partial Eta Squared
stimulus	Linear	.079
stimulus * sticsa_total_centred	Linear	.013
stimulus * iu_group	Linear	.009
Error(stimulus)	Linear	

Tests of Between-Subjects Effects

Measure: acq_fix_count

Transformed Variable: Average

Source	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Intercept	14075.256	1	14075.256	627.064	.000	.822
sticsa_total_centred	1.325	1	1.325	.059	.808	.000
iu_group	71.616	1	71.616	3.191	.076	.023
Error	3052.695	136	22.446			

Estimated Marginal Means

1. Grand Mean

Measure: acq_fix_count

Mean	Std. Error	95% Confidence Interval	
		Lower Bound	Upper Bound
7.118[a]	.284	6.556	7.680

a. Covariates appearing in the model are evaluated at the following values: sticsa_total_centred = -.0004.

2. iu_group

Estimates

Measure: acq_fix_count

iu_group	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
low IU	6.535[a]	.427	5.691	7.380
high IU	7.700[a]	.438	6.834	8.566

a. Covariates appearing in the model are evaluated at the following values: sticsa_total_centred = -.0004.

Pairwise Comparisons

Measure: acq_fix_count

(I) iu_group	(J) iu_group	Mean Difference (I-J)	Std. Error	Sig.[a]	95% Confidence Interval for Difference[a]	
					Lower Bound	Upper Bound
low IU	high IU	-1.164	.652	.076	-2.453	.125
high IU	low IU	1.164	.652	.076	-.125	2.453

Based on estimated marginal means

a. Adjustment for multiple comparisons: Bonferroni.

Univariate Tests

Measure: acq_fix_count

	Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Contrast	35.808	1	35.808	3.191	.076	.023
Error	1526.348	136	11.223			

The F tests the effect of iu_group. This test is based on the linearly independent pairwise comparisons among the estimated marginal means.

3. stimulus

Estimates

Measure: acq_fix_count

stimulus	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	6.916[a]	.308	6.307	7.524
2	7.320[a]	.272	6.782	7.858

a. Covariates appearing in the model are evaluated at the following values: sticsa_total_centred = -.0004.

Pairwise Comparisons

Measure: acq_fix_count

(I) stimulus	(J) stimulus	Mean Difference (I-J)	Std. Error	Sig.[b]	95% Confidence Interval for Difference[b]	
					Lower Bound	Upper Bound
1	2	-.404[*]	.118	.001	-.638	-.170
2	1	.404[*]	.118	.001	.170	.638

Based on estimated marginal means

*. The mean difference is significant at the .05 level.

b. Adjustment for multiple comparisons: Bonferroni.

Multivariate Tests

	Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
Pillai's trace	.079	11.622[a]	1.000	136.000	.001	.079
Wilks' lambda	.921	11.622[a]	1.000	136.000	.001	.079
Hotelling's trace	.085	11.622[a]	1.000	136.000	.001	.079
Roy's largest root	.085	11.622[a]	1.000	136.000	.001	.079

Each F tests the multivariate effect of stimulus. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

a. Exact statistic

4. iu_group * stimulus

Estimates

Measure: acq_fix_count

iu_group	stimulus	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
low IU	1	6.409[a]	.462	5.495	7.323
	2	6.662[a]	.409	5.854	7.470
high IU	1	7.423[a]	.474	6.486	8.359
	2	7.977[a]	.419	7.149	8.806

a. Covariates appearing in the model are evaluated at the following values: sticsa_total_centred = -.0004.

Pairwise Comparisons

Measure: acq_fix_count

stimulus	(I) iu_group	(J) iu_group	Mean Difference (I-J)	Std. Error	Sig.[b]	95% Confidence [b]...
						Lower Bound
1	low IU	high IU	-1.014	.705	.153	-2.409
	high IU	low IU	1.014	.705	.153	-.381
2	low IU	high IU	-1.315*	.624	.037	-2.549
	high IU	low IU	1.315*	.624	.037	.081

Pairwise Comparisons

Measure: acq_fix_count

stimulus	(I) iu_group	(J) iu_group	95% Confidence Interval for [b]...
			Upper Bound
1	low IU	high IU	.381
	high IU	low IU	2.409
2	low IU	high IU	-.081
	high IU	low IU	2.549

Based on estimated marginal means

*. The mean difference is significant at the .05 level.

b. Adjustment for multiple comparisons: Bonferroni.

Univariate Tests

Measure: acq_fix_count

stimulus		Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
1	Contrast	27.142	1	27.142	2.065	.153	.015
	Error	1787.437	136	13.143			
2	Contrast	45.673	1	45.673	4.444	.037	.032
	Error	1397.840	136	10.278			

Each F tests the simple effects of iu_group within each level combination of the other effects shown. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

5. iu_group * stimulus

Estimates

Measure: acq_fix_count

iu_group	stimulus	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
low IU	1	6.409[a]	.462	5.495	7.323
	2	6.662[a]	.409	5.854	7.470
high IU	1	7.423[a]	.474	6.486	8.359
	2	7.977[a]	.419	7.149	8.806

a. Covariates appearing in the model are evaluated at the following values: sticsa_total_centred = -.0004.

Pairwise Comparisons

Measure: acq_fix_count

iu_group	(I) stimulus	(J) stimulus	Mean Difference (I-J)	Std. Error	Sig.[b]	95% Confidence [b]...
						Lower Bound
low IU	1	2	-.253	.178	.157	-.605
	2	1	.253	.178	.157	-.099
high IU	1	2	-.555*	.182	.003	-.915
	2	1	.555*	.182	.003	.194

Pairwise Comparisons

Measure: acq_fix_count

iu_group	(I) stimulus	(J) stimulus	95% Confidence Interval for [b]... Upper Bound
low IU	1	2	.099
	2	1	.605
high IU	1	2	-.194
	2	1	.915

Based on estimated marginal means

*. The mean difference is significant at the .05 level.

b. Adjustment for multiple comparisons: Bonferroni.

Multivariate Tests

iu_group		Value	F	Hypothesis df	Error df	Sig.
low IU	Pillai's trace	.015	2.023[a]	1.000	136.000	.157
	Wilks' lambda	.985	2.023[a]	1.000	136.000	.157
	Hotelling's trace	.015	2.023[a]	1.000	136.000	.157
	Roy's largest root	.015	2.023[a]	1.000	136.000	.157
high IU	Pillai's trace	.064	9.238[a]	1.000	136.000	.003
	Wilks' lambda	.936	9.238[a]	1.000	136.000	.003
	Hotelling's trace	.068	9.238[a]	1.000	136.000	.003
	Roy's largest root	.068	9.238[a]	1.000	136.000	.003

Multivariate Tests

iu_group		Partial Eta Squared
low IU	Pillai's trace	.015
	Wilks' lambda	.015
	Hotelling's trace	.015
	Roy's largest root	.015
high IU	Pillai's trace	.064
	Wilks' lambda	.064
	Hotelling's trace	.064
	Roy's largest root	.064

Each F tests the multivariate simple effects of stimulus within each level combination of the other effects shown. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

a. Exact statistic

```
GLM acq_csp_fix_durationacq_csm_fix_durationBY iu_group WITH sticsa_total_ce
ntred
  /WSFACTOR=stimulus 2 Polynomial
  /MEASURE=acq_fix_duration
  /METHOD=SSTYPE(3)
  /EMMEANS=TABLES(OVERALL) WITH(sticsa_total_centred=MEAN)
  /EMMEANS=TABLES(iu_group) WITH(sticsa_total_centred=MEAN)COMPARE ADJ(BONFERR
ONI)
  /EMMEANS=TABLES(stimulus) WITH(sticsa_total_centred=MEAN)COMPARE ADJ(BONFERR
ONI)
  /EMMEANS=TABLES(iu_group*stimulus) WITH(sticsa_total_centred=MEAN) COMPARE (
iu_group) ADJ(BONFERRONI)
  /EMMEANS=TABLES(iu_group*stimulus) WITH(sticsa_total_centred=MEAN) COMPARE (
stimulus) ADJ(BONFERRONI)
  /PRINT=DESCRIPTIVE ETASQ
  /CRITERIA=ALPHA(.05)
  /WSDESIGN=stimulus
  /DESIGN=sticsa_total_centrediu_group.
```

General Linear Model

Notes

Output Created		27-AUG-2021 10:28:36
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	N of Rows in Working Data File	139
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data for all variables in the model.

Notes

Syntax		GLM acq_csp_fix_duration acq_csm_fix_duration BY iu_group WITH sticsa_total_centred /WSFACTOR=stimulus 2 Polynomial /MEASURE=acq_fix_duration /METHOD=SSTYPE(3) /EMMEANS=TABLES (OVERALL) WITH (sticsa_total_centred=MEAN) /EMMEANS=TABLES (iu_group) WITH (sticsa_total_centred=MEAN)COMPARE ADJ (BONFERRONI) /EMMEANS=TABLES (stimulus) WITH (sticsa_total_centred=MEAN)COMPARE ADJ (BONFERRONI) /EMMEANS=TABLES (iu_group*stimulus) WITH (sticsa_total_centred=MEAN) COMPARE (iu_group) ADJ(BONFERRONI) /EMMEANS=TABLES (iu_group*stimulus) WITH (sticsa_total_centred=MEAN) COMPARE (stimulus) ADJ(BONFERRONI) /PRINT=DESCRIPTIVE ETASQ /CRITERIA=ALPHA(.05) /WSDESIGN=stimulus /DESIGN=sticsa_total_centred iu_group.
Resources	Processor Time	00:00:00.02
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Within-Subjects Factors

Measure: acq_fix_duration

stimulus	Dependent Variable
1	acq_csp_fix_duration
2	acq_csm_fix_duration

Between-Subjects Factors

		Value Label	N
iu_group	-1	low IU	71
	1	high IU	68

Descriptive Statistics

	iu_group	Mean	Std. Deviation	N
acq_csp_fix_duration	low IU	1458.894023	1204.958942	71
	high IU	1153.238194	1126.407609	68
	Total	1309.364552	1173.033512	139
acq_csm_fix_duration	low IU	1388.186297	1118.702228	71
	high IU	1003.871664	938.9086315	68
	Total	1200.176261	1048.803818	139

Multivariate Tests[a]

Effect		Value	F	Hypothesis df	Error df
stimulus	Pillai's Trace	.038	5.354[b]	1.000	136.000
	Wilks' Lambda	.962	5.354[b]	1.000	136.000
	Hotelling's Trace	.039	5.354[b]	1.000	136.000
	Roy's Largest Root	.039	5.354[b]	1.000	136.000
stimulus * sticsa_total_centred	Pillai's Trace	.010	1.424[b]	1.000	136.000
	Wilks' Lambda	.990	1.424[b]	1.000	136.000
	Hotelling's Trace	.010	1.424[b]	1.000	136.000
	Roy's Largest Root	.010	1.424[b]	1.000	136.000
stimulus * iu_group	Pillai's Trace	.012	1.692[b]	1.000	136.000
	Wilks' Lambda	.988	1.692[b]	1.000	136.000
	Hotelling's Trace	.012	1.692[b]	1.000	136.000
	Roy's Largest Root	.012	1.692[b]	1.000	136.000

Multivariate Tests[a]

Effect		Sig.	Partial Eta Squared
stimulus	Pillai's Trace	.022	.038
	Wilks' Lambda	.022	.038
	Hotelling's Trace	.022	.038
	Roy's Largest Root	.022	.038
stimulus * sticsa_total_centred	Pillai's Trace	.235	.010
	Wilks' Lambda	.235	.010
	Hotelling's Trace	.235	.010
	Roy's Largest Root	.235	.010
stimulus * iu_group	Pillai's Trace	.196	.012
	Wilks' Lambda	.196	.012
	Hotelling's Trace	.196	.012
	Roy's Largest Root	.196	.012

a. Design: Intercept + sticsa_total_centred + iu_group
Within Subjects Design: stimulus

b. Exact statistic

Mauchly's Test of Sphericity[a]

Measure: acq_fix_duration

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

Mauchly's Test of Sphericity[a]

Measure: acq_fix_duration

Within Subjects Effect	Epsilon[b] Huynh-Feldt	Lower-bound
stimulus	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 + sticsa_total_centred + iu_group
Within Subjects Design: stimulus

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: acq_fix_duration

Source		Type III Sum of Squares	df	Mean Square	F
stimulus	Sphericity Assumed	851563.707	1	851563.707	5.354
	Greenhouse-Geisser	851563.707	1.000	851563.707	5.354
	Huynh-Feldt	851563.707	1.000	851563.707	5.354
	Lower-bound	851563.707	1.000	851563.707	5.354
stimulus * sticsa_total_centred	Sphericity Assumed	226433.764	1	226433.764	1.424
	Greenhouse-Geisser	226433.764	1.000	226433.764	1.424
	Huynh-Feldt	226433.764	1.000	226433.764	1.424
	Lower-bound	226433.764	1.000	226433.764	1.424
stimulus * iu_group	Sphericity Assumed	269118.634	1	269118.634	1.692
	Greenhouse-Geisser	269118.634	1.000	269118.634	1.692
	Huynh-Feldt	269118.634	1.000	269118.634	1.692
	Lower-bound	269118.634	1.000	269118.634	1.692
Error(stimulus)	Sphericity Assumed	21631747.07	136	159056.964	
	Greenhouse-Geisser	21631747.07	136.000	159056.964	

Tests of Within-Subjects Effects

Measure: acq_fix_duration

Source		Sig.	Partial Eta Squared
stimulus	Sphericity Assumed	.022	.038
	Greenhouse-Geisser	.022	.038
	Huynh-Feldt	.022	.038
	Lower-bound	.022	.038
stimulus * sticsa_total_centred	Sphericity Assumed	.235	.010
	Greenhouse-Geisser	.235	.010
	Huynh-Feldt	.235	.010
	Lower-bound	.235	.010
stimulus * iu_group	Sphericity Assumed	.196	.012
	Greenhouse-Geisser	.196	.012
	Huynh-Feldt	.196	.012
	Lower-bound	.196	.012
Error(stimulus)	Sphericity Assumed		
	Greenhouse-Geisser		

Tests of Within-Subjects Effects

Measure: acq_fix_duration

Source		Type III Sum of Squares	df	Mean Square	F
	Huynh-Feldt	21631747.07	136.000	159056.964	
	Lower-bound	21631747.07	136.000	159056.964	

Tests of Within-Subjects Effects

Measure: acq_fix_duration

Source		Sig.	Partial Eta Squared
	Huynh-Feldt		
	Lower-bound		

Tests of Within-Subjects Contrasts

Measure: acq_fix_duration

Source	stimulus	Type III Sum of Squares	df	Mean Square	F	Sig.
stimulus	Linear	851563.707	1	851563.707	5.354	.022
stimulus * sticsa_total_centred	Linear	226433.764	1	226433.764	1.424	.235
stimulus * iu_group	Linear	269118.634	1	269118.634	1.692	.196
Error(stimulus)	Linear	21631747.07	136	159056.964		

Tests of Within-Subjects Contrasts

Measure: acq_fix_duration

Source	stimulus	Partial Eta Squared
stimulus	Linear	.038
stimulus * sticsa_total_centred	Linear	.010
stimulus * iu_group	Linear	.012
Error(stimulus)	Linear	

Tests of Between-Subjects Effects

Measure: acq_fix_duration

Transformed Variable: Average

Source	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Intercept	434141023.6	1	434141023.6	190.747	.000	.584
sticsa_total_centred	1917807.435	1	1917807.435	.843	.360	.006
iu_group	10145550.25	1	10145550.25	4.458	.037	.032
Error	309536478.4	136	2276003.517			

Estimated Marginal Means

1. Grand Mean

Measure: acq_fix_duration

Mean	Std. Error	95% Confidence Interval	
		Lower Bound	Upper Bound
1250.041[a]	90.510	1071.052	1429.030

a. Covariates appearing in the model are evaluated at the following values: sticsa_total_centred = -.0004.

2. iu_group

Estimates

Measure: acq_fix_duration

iu_group	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
low IU	1469.167[a]	136.010	1200.198	1738.136
high IU	1030.915[a]	139.387	755.269	1306.562

a. Covariates appearing in the model are evaluated at the following values: sticsa_total_centred = -.0004.

Pairwise Comparisons

Measure: acq_fix_duration

(I) iu_group	(J) iu_group	Mean Difference (I-J)	Std. Error	Sig.[b]	95% Confidence Interval for Difference[b]	
					Lower Bound	Upper Bound
low IU	high IU	438.252*	207.574	.037	27.762	848.742
high IU	low IU	-438.252*	207.574	.037	-848.742	-27.762

Based on estimated marginal means

*. The mean difference is significant at the .05 level.

b. Adjustment for multiple comparisons: Bonferroni.

Univariate Tests

Measure: acq_fix_duration

	Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Contrast	5072775.126	1	5072775.126	4.458	.037	.032
Error	154768239.2	136	1138001.759			

The F tests the effect of iu_group. This test is based on the linearly independent pairwise comparisons among the estimated marginal means.

3. stimulus

Estimates

Measure: acq_fix_duration

stimulus	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	1305.405[a]	99.285	1109.064	1501.747
2	1194.677[a]	87.588	1021.465	1367.888

a. Covariates appearing in the model are evaluated at the following values: sticsa_total_centred = -.0004.

Pairwise Comparisons

Measure: acq_fix_duration

(I) stimulus	(J) stimulus	Mean Difference (I-J)	Std. Error	Sig.[b]	95% Confidence Interval for Difference[b]	
					Lower Bound	Upper Bound
1	2	110.729*	47.854	.022	16.095	205.363
2	1	-110.729*	47.854	.022	-205.363	-16.095

Based on estimated marginal means

*. The mean difference is significant at the .05 level.

b. Adjustment for multiple comparisons: Bonferroni.

Multivariate Tests

	Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
Pillai's trace	.038	5.354[a]	1.000	136.000	.022	.038
Wilks' lambda	.962	5.354[a]	1.000	136.000	.022	.038
Hotelling's trace	.039	5.354[a]	1.000	136.000	.022	.038
Roy's largest root	.039	5.354[a]	1.000	136.000	.022	.038

Each F tests the multivariate effect of stimulus. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

a. Exact statistic

4. iu_group * stimulus

Estimates

Measure: acq_fix_duration

iu_group	stimulus	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
low IU	1	1488.843[a]	149.196	1193.799	1783.887
	2	1449.491[a]	131.620	1189.205	1709.777
high IU	1	1121.968[a]	152.900	819.599	1424.337
	2	939.862[a]	134.888	673.114	1206.611

a. Covariates appearing in the model are evaluated at the following values: sticsa_total_centred = -.0004.

Pairwise Comparisons

Measure: acq_fix_duration

stimulus	(I) iu_group	(J) iu_group	Mean Difference (I-J)	Std. Error	Sig.[b]	95% Confidence [b]...
						Lower Bound
1	low IU	high IU	366.875	227.697	.109	-83.410
	high IU	low IU	-366.875	227.697	.109	-817.160
2	low IU	high IU	509.629*	200.873	.012	112.390
	high IU	low IU	-509.629*	200.873	.012	-906.868

Pairwise Comparisons

Measure: acq_fix_duration

stimulus	(I) iu_group	(J) iu_group	95% Confidence Interval for [b]...
			Upper Bound
1	low IU	high IU	817.160
	high IU	low IU	83.410
2	low IU	high IU	906.868
	high IU	low IU	-112.390

Based on estimated marginal means

*. The mean difference is significant at the .05 level.

b. Adjustment for multiple comparisons: Bonferroni.

Univariate Tests

Measure: acq_fix_duration

stimulus		Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
1	Contrast	3554955.363	1	3554955.363	2.596	.109	.019
	Error	186230889.1	136	1369344.772			
2	Contrast	6859713.522	1	6859713.522	6.437	.012	.045
	Error	144937336.4	136	1065715.709			

Each F tests the simple effects of iu_group within each level combination of the other effects shown. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

5. iu_group * stimulus

Estimates

Measure: acq_fix_duration

iu_group	stimulus	Mean	Std. Error	95% Confidence Interval Lower Bound	95% Confidence Interval Upper Bound
low IU	1	1488.843[a]	149.196	1193.799	1783.887
	2	1449.491[a]	131.620	1189.205	1709.777
high IU	1	1121.968[a]	152.900	819.599	1424.337
	2	939.862[a]	134.888	673.114	1206.611

a. Covariates appearing in the model are evaluated at the following values: sticsa_total_centred = -.0004.

Pairwise Comparisons

Measure: acq_fix_duration

iu_group	(I) stimulus	(J) stimulus	Mean Difference (I-J)	Std. Error	Sig.[b]	95% Confidence [b]... Lower Bound
low IU	1	2	39.352	71.910	.585	-102.855
	2	1	-39.352	71.910	.585	-181.559
high IU	1	2	182.106*	73.696	.015	36.368
	2	1	-182.106*	73.696	.015	-327.844

Pairwise Comparisons

Measure: acq_fix_duration

iu_group	(I) stimulus	(J) stimulus	95% Confidence Interval for [b]... Upper Bound
low IU	1	2	181.559
	2	1	102.855
high IU	1	2	327.844
	2	1	-36.368

Based on estimated marginal means

*. The mean difference is significant at the .05 level.

b. Adjustment for multiple comparisons: Bonferroni.

Multivariate Tests

iu_group		Value	F	Hypothesis df	Error df	Sig.
low IU	Pillai's trace	.002	.299[a]	1.000	136.000	.585
	Wilks' lambda	.998	.299[a]	1.000	136.000	.585
	Hotelling's trace	.002	.299[a]	1.000	136.000	.585
	Roy's largest root	.002	.299[a]	1.000	136.000	.585
high IU	Pillai's trace	.043	6.106[a]	1.000	136.000	.015
	Wilks' lambda	.957	6.106[a]	1.000	136.000	.015
	Hotelling's trace	.045	6.106[a]	1.000	136.000	.015
	Roy's largest root	.045	6.106[a]	1.000	136.000	.015

Multivariate Tests

iu_group		Partial Eta Squared
low IU	Pillai's trace	.002
	Wilks' lambda	.002
	Hotelling's trace	.002
	Roy's largest root	.002
high IU	Pillai's trace	.043
	Wilks' lambda	.043
	Hotelling's trace	.043
	Roy's largest root	.043

Each F tests the multivariate simple effects of stimulus within each level combination of the other effects shown. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

a. Exact statistic

```
GLM acq_csp_sacc_amplitudeacq_csm_sacc_amplitudeBY iu_group WITH sticsa_tota
l_centred
  /WSFACTOR=stimulus 2 Polynomial
  /MEASURE=acq_sacc_amplitude
  /METHOD=SSTYPE(3)
  /EMMEANS=TABLES(OVERALL) WITH(sticsa_total_centred=MEAN)
  /EMMEANS=TABLES(iu_group) WITH(sticsa_total_centred=MEAN)COMPARE ADJ(BONFERR
ONI)
  /EMMEANS=TABLES(stimulus) WITH(sticsa_total_centred=MEAN)COMPARE ADJ(BONFERR
ONI)
  /EMMEANS=TABLES(iu_group*stimulus) WITH(sticsa_total_centred=MEAN) COMPARE (
iu_group) ADJ(BONFERRONI)
  /EMMEANS=TABLES(iu_group*stimulus) WITH(sticsa_total_centred=MEAN) COMPARE (
stimulus) ADJ(BONFERRONI)
  /PRINT=DESCRIPTIVE ETASQ
  /CRITERIA=ALPHA(.05)
  /WSDESIGN=stimulus
  /DESIGN=sticsa_total_centrediu_group.
```

General Linear Model

Notes

Output Created		27-AUG-2021 10:29:03
Comments		
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	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	139
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data for all variables in the model.

Notes

Syntax		GLM acq_csp_sacc_amplitude acq_csm_sacc_amplitude BY iu_group WITH sticsa_total_centred /WSFACTOR=stimulus 2 Polynomial /MEASURE=acq_sacc_amplitude /METHOD=SSTYPE(3) /EMMEANS=TABLES (OVERALL) WITH (sticsa_total_centred=MEAN) /EMMEANS=TABLES (iu_group) WITH (sticsa_total_centred=MEAN)COMPARE ADJ (BONFERRONI) /EMMEANS=TABLES (stimulus) WITH (sticsa_total_centred=MEAN)COMPARE ADJ (BONFERRONI) /EMMEANS=TABLES (iu_group*stimulus) WITH (sticsa_total_centred=MEAN) COMPARE (iu_group) ADJ(BONFERRONI) /EMMEANS=TABLES (iu_group*stimulus) WITH (sticsa_total_centred=MEAN) COMPARE (stimulus) ADJ(BONFERRONI) /PRINT=DESCRIPTIVE ETASQ /CRITERIA=ALPHA(.05) /WSDESIGN=stimulus /DESIGN=sticsa_total_centred iu_group.
Resources	Processor Time	00:00:00.05
	Elapsed Time	00:00:00.15

Within-Subjects Factors

Measure: acq_sacc_amplitude

stimulus	Dependent Variable
1	acq_csp_sacc_amplitude
2	acq_csm_sacc_amplitude

Between-Subjects Factors

		Value Label	N
iu_group	-1	low IU	70
	1	high IU	67

Descriptive Statistics

	iu_group	Mean	Std. Deviation	N
acq_csp_sacc_amplitude	low IU	2.642643687	1.267583584	70
	high IU	3.123232883	1.713606848	67
	Total	2.877676359	1.516040192	137
acq_csm_sacc_amplitude	low IU	2.802906790	1.426495717	70
	high IU	3.159394117	1.703255988	67
	Total	2.977247308	1.572346664	137

Multivariate Tests[a]

Effect		Value	F	Hypothesis df	Error df
stimulus	Pillai's Trace	.007	.943[b]	1.000	134.000
	Wilks' Lambda	.993	.943[b]	1.000	134.000
	Hotelling's Trace	.007	.943[b]	1.000	134.000
	Roy's Largest Root	.007	.943[b]	1.000	134.000
stimulus * sticsa_total_centred	Pillai's Trace	.005	.643[b]	1.000	134.000
	Wilks' Lambda	.995	.643[b]	1.000	134.000
	Hotelling's Trace	.005	.643[b]	1.000	134.000
	Roy's Largest Root	.005	.643[b]	1.000	134.000
stimulus * iu_group	Pillai's Trace	.006	.864[b]	1.000	134.000
	Wilks' Lambda	.994	.864[b]	1.000	134.000
	Hotelling's Trace	.006	.864[b]	1.000	134.000
	Roy's Largest Root	.006	.864[b]	1.000	134.000

Multivariate Tests[a]

Effect		Sig.	Partial Eta Squared
stimulus	Pillai's Trace	.333	.007
	Wilks' Lambda	.333	.007
	Hotelling's Trace	.333	.007
	Roy's Largest Root	.333	.007
stimulus * sticsa_total_centred	Pillai's Trace	.424	.005
	Wilks' Lambda	.424	.005
	Hotelling's Trace	.424	.005
	Roy's Largest Root	.424	.005
stimulus * iu_group	Pillai's Trace	.354	.006
	Wilks' Lambda	.354	.006
	Hotelling's Trace	.354	.006
	Roy's Largest Root	.354	.006

a. Design: Intercept + sticsa_total_centred + iu_group
Within Subjects Design: stimulus

b. Exact statistic

Mauchly's Test of Sphericity[a]

Measure: acq_sacc_amplitude

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

Mauchly's Test of Sphericity[a]

Measure: acq_sacc_amplitude

Within Subjects Effect	Epsilon[b] Huynh-Feldt	Lower-bound
stimulus	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 + sticsa_total_centred + iu_group
Within Subjects Design: stimulus

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: acq_sacc_amplitude

Source		Type III Sum of Squares	df	Mean Square	F
stimulus	Sphericity Assumed	.657	1	.657	.943
	Greenhouse-Geisser	.657	1.000	.657	.943
	Huynh-Feldt	.657	1.000	.657	.943
	Lower-bound	.657	1.000	.657	.943
stimulus * sticsa_total_centred	Sphericity Assumed	.448	1	.448	.643
	Greenhouse-Geisser	.448	1.000	.448	.643
	Huynh-Feldt	.448	1.000	.448	.643
	Lower-bound	.448	1.000	.448	.643
stimulus * iu_group	Sphericity Assumed	.602	1	.602	.864
	Greenhouse-Geisser	.602	1.000	.602	.864
	Huynh-Feldt	.602	1.000	.602	.864
	Lower-bound	.602	1.000	.602	.864
Error(stimulus)	Sphericity Assumed	93.429	134	.697	
	Greenhouse-Geisser	93.429	134.000	.697	

Tests of Within-Subjects Effects

Measure: acq_sacc_amplitude

Source		Sig.	Partial Eta Squared
stimulus	Sphericity Assumed	.333	.007
	Greenhouse-Geisser	.333	.007
	Huynh-Feldt	.333	.007
	Lower-bound	.333	.007
stimulus * sticsa_total_centred	Sphericity Assumed	.424	.005
	Greenhouse-Geisser	.424	.005
	Huynh-Feldt	.424	.005
	Lower-bound	.424	.005
stimulus * iu_group	Sphericity Assumed	.354	.006
	Greenhouse-Geisser	.354	.006
	Huynh-Feldt	.354	.006
	Lower-bound	.354	.006
Error(stimulus)	Sphericity Assumed		
	Greenhouse-Geisser		

Tests of Within-Subjects Effects

Measure: acq_sacc_amplitude

Source		Type III Sum of Squares	df	Mean Square	F
	Huynh-Feldt	93.429	134.000	.697	
	Lower-bound	93.429	134.000	.697	

Tests of Within-Subjects Effects

Measure: acq_sacc_amplitude

Source		Sig.	Partial Eta Squared
	Huynh-Feldt		
	Lower-bound		

Tests of Within-Subjects Contrasts

Measure: acq_sacc_amplitude

Source	stimulus	Type III Sum of Squares	df	Mean Square	F	Sig.
stimulus	Linear	.657	1	.657	.943	.333
stimulus * sticsa_total_centred	Linear	.448	1	.448	.643	.424
stimulus * iu_group	Linear	.602	1	.602	.864	.354
Error(stimulus)	Linear	93.429	134	.697		

Tests of Within-Subjects Contrasts

Measure: acq_sacc_amplitude

Source	stimulus	Partial Eta Squared
stimulus	Linear	.007
stimulus * sticsa_total_centred	Linear	.005
stimulus * iu_group	Linear	.006
Error(stimulus)	Linear	

Tests of Between-Subjects Effects

Measure: acq_sacc_amplitude

Transformed Variable: Average

Source	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Intercept	2354.356	1	2354.356	581.379	.000	.813
sticsa_total_centred	.027	1	.027	.007	.935	.000
iu_group	8.618	1	8.618	2.128	.147	.016
Error	542.647	134	4.050			

Estimated Marginal Means

1. Grand Mean

Measure: acq_sacc_amplitude

Mean	Std. Error	95% Confidence Interval	
		Lower Bound	Upper Bound
2.932[a]	.122	2.691	3.172

a. Covariates appearing in the model are evaluated at the following values: sticsa_total_centred = -.0801.

2. iu_group

Estimates

Measure: acq_sacc_amplitude

iu_group	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
low IU	2.728[a]	.183	2.367	3.090
high IU	3.136[a]	.187	2.765	3.506

a. Covariates appearing in the model are evaluated at the following values: sticsa_total_centred = -.0801.

Pairwise Comparisons

Measure: acq_sacc_amplitude

(I) iu_group	(J) iu_group	Mean Difference (I-J)	Std. Error	Sig.[a]	95% Confidence Interval for Difference[a]	
					Lower Bound	Upper Bound
low IU	high IU	-.407	.279	.147	-.959	.145
high IU	low IU	.407	.279	.147	-.145	.959

Based on estimated marginal means

a. Adjustment for multiple comparisons: Bonferroni.

Univariate Tests

Measure: acq_sacc_amplitude

	Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Contrast	4.309	1	4.309	2.128	.147	.016
Error	271.324	134	2.025			

The F tests the effect of iu_group. This test is based on the linearly independent pairwise comparisons among the estimated marginal means.

3. stimulus

Estimates

Measure: acq_sacc_amplitude

stimulus	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	2.883[a]	.129	2.628	3.138
2	2.981[a]	.134	2.715	3.246

a. Covariates appearing in the model are evaluated at the following values: sticsa_total_centred = -.0801.

Pairwise Comparisons

Measure: acq_sacc_amplitude

(I) stimulus	(J) stimulus	Mean Difference (I-J)	Std. Error	Sig.[a]	95% Confidence Interval for Difference[a]	
					Lower Bound	Upper Bound
1	2	-.097	.101	.337	-.297	.102
2	1	.097	.101	.337	-.102	.297

Based on estimated marginal means

a. Adjustment for multiple comparisons: Bonferroni.

Multivariate Tests

	Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
Pillai's trace	.007	.928[a]	1.000	134.000	.337	.007
Wilks' lambda	.993	.928[a]	1.000	134.000	.337	.007
Hotelling's trace	.007	.928[a]	1.000	134.000	.337	.007
Roy's largest root	.007	.928[a]	1.000	134.000	.337	.007

Each F tests the multivariate effect of stimulus. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

a. Exact statistic

4. iu_group * stimulus

Estimates

Measure: acq_sacc_amplitude

iu_group	stimulus	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
low IU	1	2.626[a]	.194	2.243	3.009
	2	2.831[a]	.202	2.431	3.230
high IU	1	3.141[a]	.199	2.748	3.534
	2	3.130[a]	.207	2.721	3.540

a. Covariates appearing in the model are evaluated at the following values: sticsa_total_centred = -.0801.

Pairwise Comparisons

Measure: acq_sacc_amplitude

stimulus	(I) iu_group	(J) iu_group	Mean Difference (I-J)	Std. Error	Sig.[a]	95% Confidence [a]...
						Lower Bound
1	low IU	high IU	-.515	.296	.084	-1.100
	high IU	low IU	.515	.296	.084	-.070
2	low IU	high IU	-.300	.309	.333	-.910
	high IU	low IU	.300	.309	.333	-.311

Pairwise Comparisons

Measure: acq_sacc_amplitude

stimulus	(I) iu_group	(J) iu_group	95% Confidence Interval for [a]...
			Upper Bound
1	low IU	high IU	.070
	high IU	low IU	1.100
2	low IU	high IU	.311
	high IU	low IU	.910

Based on estimated marginal means

a. Adjustment for multiple comparisons: Bonferroni.

Univariate Tests

Measure: acq_sacc_amplitude

stimulus		Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
1	Contrast	6.888	1	6.888	3.031	.084	.022
	Error	304.545	134	2.273			
2	Contrast	2.332	1	2.332	.942	.333	.007
	Error	331.530	134	2.474			

Each F tests the simple effects of iu_group within each level combination of the other effects shown. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

5. iu_group * stimulus

Estimates

Measure: acq_sacc_amplitude

iu_group	stimulus	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
low IU	1	2.626[a]	.194	2.243	3.009
	2	2.831[a]	.202	2.431	3.230
high IU	1	3.141[a]	.199	2.748	3.534
	2	3.130[a]	.207	2.721	3.540

a. Covariates appearing in the model are evaluated at the following values: sticsa_total_centred = -.0801.

Pairwise Comparisons

Measure: acq_sacc_amplitude

iu_group	(I) stimulus	(J) stimulus	Mean Difference (I-J)	Std. Error	Sig.[a]	95% Confidence [a]...
						Lower Bound
low IU	1	2	-.205	.152	.179	-.505
	2	1	.205	.152	.179	-.095
high IU	1	2	.010	.156	.947	-.297
	2	1	-.010	.156	.947	-.318

Pairwise Comparisons

Measure: acq_sacc_amplitude

iu_group	(I) stimulus	(J) stimulus	95% Confidence Interval for [a]... Upper Bound
low IU	1	2	.095
	2	1	.505
high IU	1	2	.318
	2	1	.297

Based on estimated marginal means

a. Adjustment for multiple comparisons: Bonferroni.

Multivariate Tests

iu_group		Value	F	Hypothesis df	Error df	Sig.
low IU	Pillai's trace	.013	1.824[a]	1.000	134.000	.179
	Wilks' lambda	.987	1.824[a]	1.000	134.000	.179
	Hotelling's trace	.014	1.824[a]	1.000	134.000	.179
	Roy's largest root	.014	1.824[a]	1.000	134.000	.179
high IU	Pillai's trace	.000	.005[a]	1.000	134.000	.947
	Wilks' lambda	1.000	.005[a]	1.000	134.000	.947
	Hotelling's trace	.000	.005[a]	1.000	134.000	.947
	Roy's largest root	.000	.005[a]	1.000	134.000	.947

Multivariate Tests

iu_group		Partial Eta Squared
low IU	Pillai's trace	.013
	Wilks' lambda	.013
	Hotelling's trace	.013
	Roy's largest root	.013
high IU	Pillai's trace	.000
	Wilks' lambda	.000
	Hotelling's trace	.000
	Roy's largest root	.000

Each F tests the multivariate simple effects of stimulus within each level combination of the other effects shown. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

a. Exact statistic

```
GLM e_ext_csp_fix_countl_ext_csp_fix_counte_ext_csm_fix_countl_ext_csm_fix_
count BY iu_group WITH sticsa_total_centred
  /WSFACTOR=stimulus 2 Polynomial time 2 POLYNOMIAL
  /MEASURE=ext_fix_count
  /METHOD=SSTYPE(3)
  /POSTHOC=iu_group(BONFERRONI)
  /EMMEANS=TABLES(OVERALL) WITH(sticsa_total_centred=MEAN)
  /EMMEANS=TABLES(iu_group) WITH(sticsa_total_centred=MEAN) COMPARE ADJ(BONFER
RONI)
  /EMMEANS=TABLES(stimulus) WITH(sticsa_total_centred=MEAN) COMPARE ADJ(BONFER
RONI)
  /EMMEANS=TABLES(time) WITH(sticsa_total_centred=MEAN) COMPARE ADJ(BONFERRONI
)
  /EMMEANS=TABLES(iu_group*stimulus)  WITH(sticsa_total_centred=MEAN) COMPARE
(iu_group) ADJ(BONFERRONI)
  /EMMEANS=TABLES(iu_group*stimulus) WITH(sticsa_total_centred=MEAN) COMPARE (
stimulus) ADJ (BONFERRONI)
  /EMMEANS=TABLES(iu_group*time) WITH(sticsa_total_centred=MEAN) COMPARE (iu_g
roup) ADJ (BONFERRONI)
  /EMMEANS=TABLES(iu_group*time) WITH(sticsa_total_centred=MEAN) COMPARE (time
) ADJ (BONFERRONI)
  /EMMEANS=TABLES(stimulus*time) WITH(sticsa_total_centred=MEAN) COMPARE (stim
ulus) ADJ (BONFERRONI)
  /EMMEANS=TABLES(stimulus*time) WITH(sticsa_total_centred=MEAN) COMPARE (time
) ADJ (BONFERRONI)
  /EMMEANS=TABLES(iu_group*stimulus*time) WITH(sticsa_total_centred=MEAN) COMP
ARE (iu_group) ADJ (BONFERRONI)
  /EMMEANS=TABLES(iu_group*stimulus*time) WITH(sticsa_total_centred=MEAN) COMP
ARE (stimulus) ADJ (BONFERRONI)
  /EMMEANS=TABLES(iu_group*stimulus*time) WITH(sticsa_total_centred=MEAN) COMP
ARE (time) ADJ (BONFERRONI)
  /PRINT=DESCRIPTIVE ETASQ
  /CRITERIA=ALPHA(.05)
  /WSDESIGN=stimulus time stimulus*time
  /DESIGN=sticsa_total_centrediu_group.
```

General Linear Model

Notes

Output Created		27-AUG-2021 10:31:55
Comments		
Input	Data	\\tsclient\Drives\claudia\Desktop\simple_effects\anova_simple_effects.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	139
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data for all variables in the model.

Notes

Syntax	GLM e_ext_csp_fix_count l_ext_csp_fix_count e_ext_csm_fix_count l_ext_csm_fix_count BY iu_group WITH sticsa_total_centred /WSFACTOR=stimulus 2 Polynomial time 2 POLYNOMIAL /MEASURE=ext_fix_count /METHOD=SSTYPE(3) /POSTHOC=iu_group (BONFERRONI) /EMMEANS=TABLES (OVERALL) WITH (sticsa_total_centred=MEAN) /EMMEANS=TABLES (iu_group) WITH (sticsa_total_centred=MEAN) COMPARE ADJ (BONFERRONI) /EMMEANS=TABLES (stimulus) WITH (sticsa_total_centred=MEAN) COMPARE ADJ (BONFERRONI) /EMMEANS=TABLES (time) WITH (sticsa_total_centred=MEAN) COMPARE ADJ (BONFERRONI) /EMMEANS=TABLES (iu_group*stimulus) WITH (sticsa_total_centred=MEAN) COMPARE (iu_group) ADJ(BONFERRONI) /EMMEANS=TABLES (iu_group*stimulus) WITH (sticsa_total_centred=MEAN) COMPARE (stimulus) ADJ (BONFERRONI) /EMMEANS=TABLES (iu_group*time) WITH (sticsa_total_centred=MEAN) COMPARE (iu_group) ADJ (BONFERRONI) /EMMEANS=TABLES (iu_group*time) WITH (sticsa_total_centred=MEAN) COMPARE (time) ADJ (BONFERRONI) /EMMEANS=TABLES (stimulus*time) WITH (sticsa_total_centred=MEAN) COMPARE (stimulus) ADJ (BONFERRONI) /EMMEANS=TABLES (stimulus*time) WITH (sticsa_total_centred=MEAN) COMPARE (time)

Notes

Resources	Processor Time	00:00:00.05
	Elapsed Time	00:00:00.19

Warnings

The POSTHOC subcommand will be ignored because there are covariates in the design.

Within-Subjects Factors

Measure: ext_fix_count

stimulus	time	Dependent Variable
1	1	e_ext_csp_fix_count
	2	l_ext_csp_fix_count
2	1	e_ext_csm_fix_count
	2	l_ext_csm_fix_count

Between-Subjects Factors

		Value Label	N
iu_group	-1	low IU	71
	1	high IU	68

Descriptive Statistics

	iu_group	Mean	Std. Deviation	N
e_ext_csp_fix_count	low IU	6.8028	4.05914	71
	high IU	7.5368	3.26225	68
	Total	7.1619	3.69597	139
l_ext_csp_fix_count	low IU	6.718309859	3.151510289	71
	high IU	8.414215686	3.634896584	68
	Total	7.547961631	3.489502581	139
e_ext_csm_fix_count	low IU	6.6972	3.65985	71
	high IU	8.1434	3.25597	68
	Total	7.4047	3.53097	139
l_ext_csm_fix_count	low IU	6.8732	3.42936	71
	high IU	8.8860	3.32658	68
	Total	7.8579	3.51537	139

Multivariate Tests[a]

Effect		Value	F	Hypothesis df	Error df
stimulus	Pillai's Trace	.030	4.209[b]	1.000	136.000
	Wilks' Lambda	.970	4.209[b]	1.000	136.000
	Hotelling's Trace	.031	4.209[b]	1.000	136.000
	Roy's Largest Root	.031	4.209[b]	1.000	136.000
stimulus * sticsa_total_centred	Pillai's Trace	.008	1.098[b]	1.000	136.000
	Wilks' Lambda	.992	1.098[b]	1.000	136.000
	Hotelling's Trace	.008	1.098[b]	1.000	136.000
	Roy's Largest Root	.008	1.098[b]	1.000	136.000
stimulus * iu_group	Pillai's Trace	.032	4.560[b]	1.000	136.000
	Wilks' Lambda	.968	4.560[b]	1.000	136.000
	Hotelling's Trace	.034	4.560[b]	1.000	136.000
	Roy's Largest Root	.034	4.560[b]	1.000	136.000
time	Pillai's Trace	.040	5.692[b]	1.000	136.000
	Wilks' Lambda	.960	5.692[b]	1.000	136.000
	Hotelling's Trace	.042	5.692[b]	1.000	136.000
	Roy's Largest Root	.042	5.692[b]	1.000	136.000
time * sticsa_total_centred	Pillai's Trace	.000	.000[b]	1.000	136.000
	Wilks' Lambda	1.000	.000[b]	1.000	136.000

Multivariate Tests[a]

Effect		Sig.	Partial Eta Squared
stimulus	Pillai's Trace	.042	.030
	Wilks' Lambda	.042	.030
	Hotelling's Trace	.042	.030
	Roy's Largest Root	.042	.030
stimulus * sticsa_total_centred	Pillai's Trace	.297	.008
	Wilks' Lambda	.297	.008
	Hotelling's Trace	.297	.008
	Roy's Largest Root	.297	.008
stimulus * iu_group	Pillai's Trace	.035	.032
	Wilks' Lambda	.035	.032
	Hotelling's Trace	.035	.032
	Roy's Largest Root	.035	.032
time	Pillai's Trace	.018	.040
	Wilks' Lambda	.018	.040
	Hotelling's Trace	.018	.040
	Roy's Largest Root	.018	.040
time * sticsa_total_centred	Pillai's Trace	.984	.000
	Wilks' Lambda	.984	.000

Multivariate Tests[a]

Effect		Value	F	Hypothesis df	Error df
	Hotelling's Trace	.000	.000[b]	1.000	136.000
	Roy's Largest Root	.000	.000[b]	1.000	136.000
time * iu_group	Pillai's Trace	.025	3.489[b]	1.000	136.000
	Wilks' Lambda	.975	3.489[b]	1.000	136.000
	Hotelling's Trace	.026	3.489[b]	1.000	136.000
	Roy's Largest Root	.026	3.489[b]	1.000	136.000
stimulus * time	Pillai's Trace	.000	.066[b]	1.000	136.000
	Wilks' Lambda	1.000	.066[b]	1.000	136.000
	Hotelling's Trace	.000	.066[b]	1.000	136.000
	Roy's Largest Root	.000	.066[b]	1.000	136.000
stimulus * time * sticsa_total_centred	Pillai's Trace	.007	.901[b]	1.000	136.000
	Wilks' Lambda	.993	.901[b]	1.000	136.000
	Hotelling's Trace	.007	.901[b]	1.000	136.000
	Roy's Largest Root	.007	.901[b]	1.000	136.000
stimulus * time * iu_group	Pillai's Trace	.000	.044[b]	1.000	136.000
	Wilks' Lambda	1.000	.044[b]	1.000	136.000
	Hotelling's Trace	.000	.044[b]	1.000	136.000
	Roy's Largest Root	.000	.044[b]	1.000	136.000

Multivariate Tests[a]

Effect		Sig.	Partial Eta Squared
	Hotelling's Trace	.984	.000
	Roy's Largest Root	.984	.000
time * iu_group	Pillai's Trace	.064	.025
	Wilks' Lambda	.064	.025
	Hotelling's Trace	.064	.025
	Roy's Largest Root	.064	.025
stimulus * time	Pillai's Trace	.797	.000
	Wilks' Lambda	.797	.000
	Hotelling's Trace	.797	.000
	Roy's Largest Root	.797	.000
stimulus * time * sticsa_total_centred	Pillai's Trace	.344	.007
	Wilks' Lambda	.344	.007
	Hotelling's Trace	.344	.007
	Roy's Largest Root	.344	.007
stimulus * time * iu_group	Pillai's Trace	.834	.000
	Wilks' Lambda	.834	.000
	Hotelling's Trace	.834	.000
	Roy's Largest Root	.834	.000

a. Design: Intercept + sticsa_total_centred + iu_group
Within Subjects Design: stimulus + time + stimulus * time

b. Exact statistic

Mauchly's Test of Sphericity[a]

Measure: ext_fix_count

Within Subjects Effect	Mauchly's W	Approx. Chi-Square	df	Sig.	Epsilon[b] Greenhouse-Geisser
stimulus	1.000	.000	0	.	1.000
time	1.000	.000	0	.	1.000
stimulus * time	1.000	.000	0	.	1.000

Mauchly's Test of Sphericity[a]

Measure: ext_fix_count

Within Subjects Effect	Epsilon[b] Huynh-Feldt	Lower-bound
stimulus	1.000	1.000
time	1.000	1.000
stimulus * time	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 + sticsa_total_centred + iu_group
Within Subjects Design: stimulus + time + stimulus * time

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: ext_fix_count

Source		Type III Sum of Squares	df	Mean Square	F
stimulus	Sphericity Assumed	11.179	1	11.179	4.209
	Greenhouse-Geisser	11.179	1.000	11.179	4.209
	Huynh-Feldt	11.179	1.000	11.179	4.209
	Lower-bound	11.179	1.000	11.179	4.209
stimulus * sticsa_total_centred	Sphericity Assumed	2.916	1	2.916	1.098
	Greenhouse-Geisser	2.916	1.000	2.916	1.098
	Huynh-Feldt	2.916	1.000	2.916	1.098
	Lower-bound	2.916	1.000	2.916	1.098
stimulus * iu_group	Sphericity Assumed	12.113	1	12.113	4.560
	Greenhouse-Geisser	12.113	1.000	12.113	4.560
	Huynh-Feldt	12.113	1.000	12.113	4.560
	Lower-bound	12.113	1.000	12.113	4.560
Error(stimulus)	Sphericity Assumed	361.245	136	2.656	
	Greenhouse-Geisser	361.245	136.000	2.656	
	Huynh-Feldt	361.245	136.000	2.656	
	Lower-bound	361.245	136.000	2.656	
time	Sphericity Assumed	25.442	1	25.442	5.692
	Greenhouse-Geisser	25.442	1.000	25.442	5.692
	Huynh-Feldt	25.442	1.000	25.442	5.692
	Lower-bound	25.442	1.000	25.442	5.692
time * sticsa_total_centred	Sphericity Assumed	.002	1	.002	.000
	Greenhouse-Geisser	.002	1.000	.002	.000
	Huynh-Feldt	.002	1.000	.002	.000
	Lower-bound	.002	1.000	.002	.000
time * iu_group	Sphericity Assumed	15.596	1	15.596	3.489
	Greenhouse-Geisser	15.596	1.000	15.596	3.489
	Huynh-Feldt	15.596	1.000	15.596	3.489
	Lower-bound	15.596	1.000	15.596	3.489
Error(time)	Sphericity Assumed	607.892	136	4.470	
	Greenhouse-Geisser	607.892	136.000	4.470	
	Huynh-Feldt	607.892	136.000	4.470	
	Lower-bound	607.892	136.000	4.470	
stimulus * time	Sphericity Assumed	.150	1	.150	.066
	Greenhouse-Geisser	.150	1.000	.150	.066

Tests of Within-Subjects Effects

Measure: ext_fix_count

Source		Sig.	Partial Eta Squared
stimulus	Sphericity Assumed	.042	.030
	Greenhouse-Geisser	.042	.030
	Huynh-Feldt	.042	.030
	Lower-bound	.042	.030
stimulus * sticsa_total_centred	Sphericity Assumed	.297	.008
	Greenhouse-Geisser	.297	.008
	Huynh-Feldt	.297	.008
	Lower-bound	.297	.008
stimulus * iu_group	Sphericity Assumed	.035	.032
	Greenhouse-Geisser	.035	.032
	Huynh-Feldt	.035	.032
	Lower-bound	.035	.032
Error(stimulus)	Sphericity Assumed		
	Greenhouse-Geisser		
	Huynh-Feldt		
	Lower-bound		
time	Sphericity Assumed	.018	.040
	Greenhouse-Geisser	.018	.040
	Huynh-Feldt	.018	.040
	Lower-bound	.018	.040
time * sticsa_total_centred	Sphericity Assumed	.984	.000
	Greenhouse-Geisser	.984	.000
	Huynh-Feldt	.984	.000
	Lower-bound	.984	.000
time * iu_group	Sphericity Assumed	.064	.025
	Greenhouse-Geisser	.064	.025
	Huynh-Feldt	.064	.025
	Lower-bound	.064	.025
Error(time)	Sphericity Assumed		
	Greenhouse-Geisser		
	Huynh-Feldt		
	Lower-bound		
stimulus * time	Sphericity Assumed	.797	.000
	Greenhouse-Geisser	.797	.000

Tests of Within-Subjects Effects

Measure: ext_fix_count

Source		Type III Sum of Squares	df	Mean Square	F
	Huynh-Feldt	.150	1.000	.150	.066
	Lower-bound	.150	1.000	.150	.066
stimulus * time * sticsa_total_centred	Sphericity Assumed	2.042	1	2.042	.901
	Greenhouse-Geisser	2.042	1.000	2.042	.901
	Huynh-Feldt	2.042	1.000	2.042	.901
	Lower-bound	2.042	1.000	2.042	.901
stimulus * time * iu_group	Sphericity Assumed	.100	1	.100	.044
	Greenhouse-Geisser	.100	1.000	.100	.044
	Huynh-Feldt	.100	1.000	.100	.044
	Lower-bound	.100	1.000	.100	.044
Error(stimulus*time)	Sphericity Assumed	308.024	136	2.265	
	Greenhouse-Geisser	308.024	136.000	2.265	
	Huynh-Feldt	308.024	136.000	2.265	
	Lower-bound	308.024	136.000	2.265	

Tests of Within-Subjects Effects

Measure: ext_fix_count

Source		Sig.	Partial Eta Squared
	Huynh-Feldt	.797	.000
	Lower-bound	.797	.000
stimulus * time * sticsa_total_centred	Sphericity Assumed	.344	.007
	Greenhouse-Geisser	.344	.007
	Huynh-Feldt	.344	.007
	Lower-bound	.344	.007
stimulus * time * iu_group	Sphericity Assumed	.834	.000
	Greenhouse-Geisser	.834	.000
	Huynh-Feldt	.834	.000
	Lower-bound	.834	.000
Error(stimulus*time)	Sphericity Assumed		
	Greenhouse-Geisser		
	Huynh-Feldt		
	Lower-bound		

Tests of Within-Subjects Contrasts

Measure: ext_fix_count

Source	stimulus	time	Type III Sum of Squares	df	Mean Square	F
stimulus	Linear		11.179	1	11.179	4.209
stimulus * sticsa_total_centred	Linear		2.916	1	2.916	1.098
stimulus * iu_group	Linear		12.113	1	12.113	4.560
Error(stimulus)	Linear		361.245	136	2.656	
time		Linear	25.442	1	25.442	5.692
time * sticsa_total_centred		Linear	.002	1	.002	.000
time * iu_group		Linear	15.596	1	15.596	3.489
Error(time)		Linear	607.892	136	4.470	
stimulus * time	Linear	Linear	.150	1	.150	.066
stimulus * time * sticsa_total_centred	Linear	Linear	2.042	1	2.042	.901
stimulus * time * iu_group	Linear	Linear	.100	1	.100	.044
Error(stimulus*time)	Linear	Linear	308.024	136	2.265	

Tests of Within-Subjects Contrasts

Measure: ext_fix_count

Source	stimulus	time	Sig.	Partial Eta Squared
stimulus	Linear		.042	.030
stimulus * sticsa_total_centred	Linear		.297	.008
stimulus * iu_group	Linear		.035	.032
Error(stimulus)	Linear			
time		Linear	.018	.040
time * sticsa_total_centred		Linear	.984	.000
time * iu_group		Linear	.064	.025
Error(time)		Linear		
stimulus * time	Linear	Linear	.797	.000
stimulus * time * sticsa_total_centred	Linear	Linear	.344	.007
stimulus * time * iu_group	Linear	Linear	.834	.000
Error(stimulus*time)	Linear	Linear		

Tests of Between-Subjects Effects

Measure: ext_fix_count

Transformed Variable: Average

Source	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Intercept	31313.249	1	31313.249	794.476	.000	.854
sticsa_total_centred	17.056	1	17.056	.433	.512	.003
iu_group	171.887	1	171.887	4.361	.039	.031
Error	5360.264	136	39.414			

Estimated Marginal Means

1. Grand Mean

Measure: ext_fix_count

Mean	Std. Error	95% Confidence Interval	
		Lower Bound	Upper Bound
7.507[a]	.266	6.980	8.034

a. Covariates appearing in the model are evaluated at the following values: sticsa_total_centred = -.0004.

2. iu_group

Estimates

Measure: ext_fix_count

iu_group	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
low IU	6.869[a]	.400	6.078	7.661
high IU	8.145[a]	.410	7.334	8.956

a. Covariates appearing in the model are evaluated at the following values: sticsa_total_centred = -.0004.

Pairwise Comparisons

Measure: ext_fix_count

(I) iu_group	(J) iu_group	Mean Difference (I-J)	Std. Error	Sig.[b]	95% Confidence Interval for Difference[b]	
					Lower Bound	Upper Bound
low IU	high IU	-1.276*	.611	.039	-2.483	-.068
high IU	low IU	1.276*	.611	.039	.068	2.483

Based on estimated marginal means

*. The mean difference is significant at the .05 level.

b. Adjustment for multiple comparisons: Bonferroni.

Univariate Tests

Measure: ext_fix_count

	Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Contrast	42.972	1	42.972	4.361	.039	.031
Error	1340.066	136	9.853			

The F tests the effect of iu_group. This test is based on the linearly independent pairwise comparisons among the estimated marginal means.

3. stimulus

Estimates

Measure: ext_fix_count

stimulus	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	7.365[a]	.278	6.816	7.914
2	7.649[a]	.273	7.110	8.188

a. Covariates appearing in the model are evaluated at the following values: sticsa_total_centred = -.0004.

Pairwise Comparisons

Measure: ext_fix_count

(I) stimulus	(J) stimulus	Mean Difference (I-J)	Std. Error	Sig.[b]	95% Confidence Interval for Difference[b]	
					Lower Bound	Upper Bound
1	2	-.284*	.138	.042	-.557	-.010
2	1	.284*	.138	.042	.010	.557

Based on estimated marginal means

*. The mean difference is significant at the .05 level.

b. Adjustment for multiple comparisons: Bonferroni.

Multivariate Tests

	Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
Pillai's trace	.030	4.209[a]	1.000	136.000	.042	.030
Wilks' lambda	.970	4.209[a]	1.000	136.000	.042	.030
Hotelling's trace	.031	4.209[a]	1.000	136.000	.042	.030
Roy's largest root	.031	4.209[a]	1.000	136.000	.042	.030

Each F tests the multivariate effect of stimulus. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

a. Exact statistic

4. time

Estimates

Measure: ext_fix_count

time	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	7.293[a]	.287	6.726	7.860
2	7.721[a]	.275	7.177	8.265

a. Covariates appearing in the model are evaluated at the following values: sticsa_total_centred = -.0004.

Pairwise Comparisons

Measure: ext_fix_count

(I) time	(J) time	Mean Difference (I-J)	Std. Error	Sig.[b]	95% Confidence Interval for Difference[b] Lower Bound	Upper Bound
1	2	-.428*	.179	.018	-.783	-.073
2	1	.428*	.179	.018	.073	.783

Based on estimated marginal means

*. The mean difference is significant at the .05 level.

b. Adjustment for multiple comparisons: Bonferroni.

Multivariate Tests

	Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
Pillai's trace	.040	5.692[a]	1.000	136.000	.018	.040
Wilks' lambda	.960	5.692[a]	1.000	136.000	.018	.040
Hotelling's trace	.042	5.692[a]	1.000	136.000	.018	.040
Roy's largest root	.042	5.692[a]	1.000	136.000	.018	.040

Each F tests the multivariate effect of time. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

a. Exact statistic

5. iu_group * stimulus

Estimates

Measure: ext_fix_count

iu_group	stimulus	Mean	Std. Error	95% Confidence Interval Lower Bound	Upper Bound
low IU	1	6.897[a]	.417	6.072	7.722
	2	6.842[a]	.410	6.031	7.652
high IU	1	7.833[a]	.428	6.988	8.679
	2	8.456[a]	.420	7.625	9.286

a. Covariates appearing in the model are evaluated at the following values: sticsa_total_centred = -.0004.

Pairwise Comparisons

Measure: ext_fix_count

stimulus	(I) iu_group	(J) iu_group	Mean Difference (I-J)	Std. Error	Sig.[b]	95% Confidence ... [b] Lower Bound
1	low IU	high IU	-.937	.637	.143	-2.196
	high IU	low IU	.937	.637	.143	-.322
2	low IU	high IU	-1.614*	.625	.011	-2.851
	high IU	low IU	1.614*	.625	.011	.378

Pairwise Comparisons

Measure: ext_fix_count

stimulus	(I) iu_group	(J) iu_group	95% Confidence Interval for [b] ... Upper Bound
1	low IU	high IU	.322
	high IU	low IU	2.196
2	low IU	high IU	-.378
	high IU	low IU	2.851

Based on estimated marginal means

*. The mean difference is significant at the .05 level.

b. Adjustment for multiple comparisons: Bonferroni.

Univariate Tests

Measure: ext_fix_count

stimulus		Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
1	Contrast	23.185	1	23.185	2.165	.143	.016
	Error	1456.293	136	10.708			
2	Contrast	68.814	1	68.814	6.664	.011	.047
	Error	1404.462	136	10.327			

Each F tests the simple effects of iu_group within each level combination of the other effects shown. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

6. iu_group * stimulus

Estimates

Measure: ext_fix_count

iu_group	stimulus	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
low IU	1	6.897[a]	.417	6.072	7.722
	2	6.842[a]	.410	6.031	7.652
high IU	1	7.833[a]	.428	6.988	8.679
	2	8.456[a]	.420	7.625	9.286

a. Covariates appearing in the model are evaluated at the following values: sticsa_total_centred = -.0004.

Pairwise Comparisons

Measure: ext_fix_count

iu_group	(I) stimulus	(J) stimulus	Mean Difference (I-J)	Std. Error	Sig.[b]	95% Confidence [b]...
						Lower Bound
low IU	1	2	.055	.208	.792	-.356
	2	1	-.055	.208	.792	-.466
high IU	1	2	-.622*	.213	.004	-1.043
	2	1	.622*	.213	.004	.201

Pairwise Comparisons

Measure: ext_fix_count

iu_group	(I) stimulus	(J) stimulus	95% Confidence Interval for [b]...
			Upper Bound
low IU	1	2	.466
	2	1	.356
high IU	1	2	-.201
	2	1	1.043

Based on estimated marginal means

*. The mean difference is significant at the .05 level.

b. Adjustment for multiple comparisons: Bonferroni.

Multivariate Tests

iu_group		Value	F	Hypothesis df	Error df	Sig.
low IU	Pillai's trace	.001	.070[a]	1.000	136.000	.792
	Wilks' lambda	.999	.070[a]	1.000	136.000	.792
	Hotelling's trace	.001	.070[a]	1.000	136.000	.792
	Roy's largest root	.001	.070[a]	1.000	136.000	.792
high IU	Pillai's trace	.059	8.539[a]	1.000	136.000	.004
	Wilks' lambda	.941	8.539[a]	1.000	136.000	.004
	Hotelling's trace	.063	8.539[a]	1.000	136.000	.004
	Roy's largest root	.063	8.539[a]	1.000	136.000	.004

Multivariate Tests

iu_group		Partial Eta Squared
low IU	Pillai's trace	.001
	Wilks' lambda	.001
	Hotelling's trace	.001
	Roy's largest root	.001
high IU	Pillai's trace	.059
	Wilks' lambda	.059
	Hotelling's trace	.059
	Roy's largest root	.059

Each F tests the multivariate simple effects of stimulus within each level combination of the other effects shown. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

a. Exact statistic

7. iu_group * time

Estimates

Measure: ext_fix_count

iu_group	time	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
low IU	1	6.847[a]	.431	5.995	7.700
	2	6.891[a]	.413	6.073	7.709
high IU	1	7.739[a]	.442	6.865	8.612
	2	8.551[a]	.424	7.713	9.389

a. Covariates appearing in the model are evaluated at the following values: sticsa_total_centred = -.0004.

Pairwise Comparisons

Measure: ext_fix_count

time	(I) iu_group	(J) iu_group	Mean Difference (I-J)	Std. Error	Sig.[b]	95% Confidence [b]...
						Lower Bound
1	low IU	high IU	-.891	.658	.178	-2.192
	high IU	low IU	.891	.658	.178	-.409
2	low IU	high IU	-1.660*	.631	.010	-2.908
	high IU	low IU	1.660*	.631	.010	.412

Pairwise Comparisons

Measure: ext_fix_count

time	(I) iu_group	(J) iu_group	95% Confidence Interval for [b]...
			Upper Bound
1	low IU	high IU	.409
	high IU	low IU	2.192
2	low IU	high IU	-.412
	high IU	low IU	2.908

Based on estimated marginal means

*. The mean difference is significant at the .05 level.

b. Adjustment for multiple comparisons: Bonferroni.

Univariate Tests

Measure: ext_fix_count

time		Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
1	Contrast	20.983	1	20.983	1.836	.178	.013
	Error	1553.984	136	11.426			
2	Contrast	72.759	1	72.759	6.919	.010	.048
	Error	1430.094	136	10.515			

Each F tests the simple effects of iu_group within each level combination of the other effects shown. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

8. iu_group * time

Estimates

Measure: ext_fix_count

iu_group	time	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
low IU	1	6.847[a]	.431	5.995	7.700
	2	6.891[a]	.413	6.073	7.709
high IU	1	7.739[a]	.442	6.865	8.612
	2	8.551[a]	.424	7.713	9.389

a. Covariates appearing in the model are evaluated at the following values: sticsa_total_centred = -.0004.

Pairwise Comparisons

Measure: ext_fix_count

iu_group	(I) time	(J) time	Mean Difference (I-J)	Std. Error	Sig.[b]	95% Confidence Interval for Difference[b]	
						Lower Bound	Upper Bound
low IU	1	2	-.044	.270	.871	-.577	.489
	2	1	.044	.270	.871	-.489	.577
high IU	1	2	-.812*	.276	.004	-1.358	-.266
	2	1	.812*	.276	.004	.266	1.358

Based on estimated marginal means

*. The mean difference is significant at the .05 level.

b. Adjustment for multiple comparisons: Bonferroni.

Multivariate Tests

iu_group		Value	F	Hypothesis df	Error df	Sig.
low IU	Pillai's trace	.000	.026[a]	1.000	136.000	.871
	Wilks' lambda	1.000	.026[a]	1.000	136.000	.871
	Hotelling's trace	.000	.026[a]	1.000	136.000	.871
	Roy's largest root	.000	.026[a]	1.000	136.000	.871
high IU	Pillai's trace	.060	8.644[a]	1.000	136.000	.004
	Wilks' lambda	.940	8.644[a]	1.000	136.000	.004
	Hotelling's trace	.064	8.644[a]	1.000	136.000	.004
	Roy's largest root	.064	8.644[a]	1.000	136.000	.004

Multivariate Tests

iu_group		Partial Eta Squared
low IU	Pillai's trace	.000
	Wilks' lambda	.000
	Hotelling's trace	.000
	Roy's largest root	.000
high IU	Pillai's trace	.060
	Wilks' lambda	.060
	Hotelling's trace	.060
	Roy's largest root	.060

Each F tests the multivariate simple effects of time within each level combination of the other effects shown. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

a. Exact statistic

9. stimulus * time

Estimates

Measure: ext_fix_count

stimulus	time	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
1	1	7.168[a]	.314	6.547	7.788
	2	7.563[a]	.288	6.993	8.132
2	1	7.418[a]	.295	6.835	8.002
	2	7.879[a]	.288	7.310	8.448

a. Covariates appearing in the model are evaluated at the following values: sticsa_total_centred = -.0004.

Pairwise Comparisons

Measure: ext_fix_count

time	(I) stimulus	(J) stimulus	Mean Difference (I-J)	Std. Error	Sig.[a]	95% Confidence [a]...
						Lower Bound
1	1	2	-.251	.205	.224	-.656
	2	1	.251	.205	.224	-.155
2	1	2	-.317	.170	.064	-.652
	2	1	.317	.170	.064	-.019

Pairwise Comparisons

Measure: ext_fix_count

time	(I) stimulus	(J) stimulus	95% Confidence Interval for [a]...
			Upper Bound
1	1	2	.155
	2	1	.656
2	1	2	.019
	2	1	.652

Based on estimated marginal means

a. Adjustment for multiple comparisons: Bonferroni.

Multivariate Tests

time		Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
1	Pillai's trace	.011	1.494[a]	1.000	136.000	.224	.011
	Wilks' lambda	.989	1.494[a]	1.000	136.000	.224	.011
	Hotelling's trace	.011	1.494[a]	1.000	136.000	.224	.011
	Roy's largest root	.011	1.494[a]	1.000	136.000	.224	.011
2	Pillai's trace	.025	3.485[a]	1.000	136.000	.064	.025
	Wilks' lambda	.975	3.485[a]	1.000	136.000	.064	.025
	Hotelling's trace	.026	3.485[a]	1.000	136.000	.064	.025
	Roy's largest root	.026	3.485[a]	1.000	136.000	.064	.025

Each F tests the multivariate simple effects of stimulus within each level combination of the other effects shown. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

a. Exact statistic

10. stimulus * time

Estimates

Measure: ext_fix_count

stimulus	time	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
1	1	7.168[a]	.314	6.547	7.788
	2	7.563[a]	.288	6.993	8.132
2	1	7.418[a]	.295	6.835	8.002
	2	7.879[a]	.288	7.310	8.448

a. Covariates appearing in the model are evaluated at the following values: sticsa_total_centred = -.0004.

Pairwise Comparisons

Measure: ext_fix_count

stimulus	(I) time	(J) time	Mean Difference (I-J)	Std. Error	Sig.[b]	95% Confidence Interval for Difference[b]	
						Lower Bound	Upper Bound
1	1	2	-.395	.234	.093	-.857	.067
	2	1	.395	.234	.093	-.067	.857
2	1	2	-.461*	.206	.027	-.868	-.054
	2	1	.461*	.206	.027	.054	.868

Based on estimated marginal means

*. The mean difference is significant at the .05 level.

b. Adjustment for multiple comparisons: Bonferroni.

Multivariate Tests

stimulus		Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
1	Pillai's trace	.021	2.855[a]	1.000	136.000	.093	.021
	Wilks' lambda	.979	2.855[a]	1.000	136.000	.093	.021
	Hotelling's trace	.021	2.855[a]	1.000	136.000	.093	.021
	Roy's largest root	.021	2.855[a]	1.000	136.000	.093	.021
2	Pillai's trace	.036	5.021[a]	1.000	136.000	.027	.036
	Wilks' lambda	.964	5.021[a]	1.000	136.000	.027	.036
	Hotelling's trace	.037	5.021[a]	1.000	136.000	.027	.036
	Roy's largest root	.037	5.021[a]	1.000	136.000	.027	.036

Each F tests the multivariate simple effects of time within each level combination of the other effects shown. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

a. Exact statistic

11. iu_group * stimulus * time

Estimates

Measure: ext_fix_count

iu_group	stimulus	time	Mean	Std. Error	95% Confidence Interval	
					Lower Bound	Upper Bound
low IU	1	1	6.907[a]	.472	5.974	7.839
		2	6.887[a]	.433	6.031	7.743
	2	1	6.788[a]	.443	5.911	7.665
		2	6.895[a]	.432	6.040	7.751
high IU	1	1	7.428[a]	.483	6.473	8.384
		2	8.239[a]	.444	7.361	9.116
	2	1	8.049[a]	.454	7.150	8.947
		2	8.863[a]	.443	7.987	9.739

a. Covariates appearing in the model are evaluated at the following values: sticsa_total_centred = -.0004.

Pairwise Comparisons

Measure: ext_fix_count

stimulus	time	(I) iu_group	(J) iu_group	Mean Difference (I-J)	Std. Error	Sig.[b]	95% Confidence ...[b]
							Lower Bound
1	1	low IU	high IU	-.522	.720	.470	-1.946
		high IU	low IU	.522	.720	.470	-.902
	2	low IU	high IU	-1.352*	.661	.043	-2.658
		high IU	low IU	1.352*	.661	.043	.046
2	1	low IU	high IU	-1.261	.677	.065	-2.599
		high IU	low IU	1.261	.677	.065	-.077
	2	low IU	high IU	-1.968*	.660	.003	-3.273
		high IU	low IU	1.968*	.660	.003	.662

Pairwise Comparisons

Measure: ext_fix_count

stimulus	time	(I) iu_group	(J) iu_group	95% Confidence Interval for [b]... Upper Bound
1	1	low IU	high IU	.902
		high IU	low IU	1.946
	2	low IU	high IU	-.046
		high IU	low IU	2.658
2	1	low IU	high IU	.077
		high IU	low IU	2.599
	2	low IU	high IU	-.662
		high IU	low IU	3.273

Based on estimated marginal means

*. The mean difference is significant at the .05 level.

b. Adjustment for multiple comparisons: Bonferroni.

Univariate Tests

Measure: ext_fix_count

stimulus	time		Sum of Squares	df	Mean Square	F	Sig.
1	1	Contrast	7.194	1	7.194	.526	.470
		Error	1861.441	136	13.687		
	2	Contrast	48.274	1	48.274	4.189	.043
		Error	1567.435	136	11.525		
2	1	Contrast	41.979	1	41.979	3.472	.065
		Error	1644.111	136	12.089		
	2	Contrast	102.249	1	102.249	8.889	.003
		Error	1564.438	136	11.503		

Univariate Tests

Measure: ext_fix_count

stimulus	time		Partial Eta Squared
1	1	Contrast	.004
		Error	
	2	Contrast	.030
		Error	
2	1	Contrast	.025
		Error	
	2	Contrast	.061
		Error	

Each F tests the simple effects of iu_group within each level combination of the other effects shown. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

12. iu_group * stimulus * time

Estimates

Measure: ext_fix_count

iu_group	stimulus	time	Mean	Std. Error	95% Confidence Interval	
					Lower Bound	Upper Bound
low IU	1	1	6.907[a]	.472	5.974	7.839
		2	6.887[a]	.433	6.031	7.743
	2	1	6.788[a]	.443	5.911	7.665
		2	6.895[a]	.432	6.040	7.751
high IU	1	1	7.428[a]	.483	6.473	8.384
		2	8.239[a]	.444	7.361	9.116
	2	1	8.049[a]	.454	7.150	8.947
		2	8.863[a]	.443	7.987	9.739

a. Covariates appearing in the model are evaluated at the following values: sticsa_total_centred = -.0004.

Pairwise Comparisons

Measure: ext_fix_count

iu_group	time	(I) stimulus	(J) stimulus	Mean Difference (I-J)	Std. Error	Sig.[b]	95% Confidence ... Lower Bound
low IU	1	1	2	.119	.308	.701	-.491
		2	1	-.119	.308	.701	-.728
	2	1	2	-.009	.255	.973	-.513
		2	1	.009	.255	.973	-.495
high IU	1	1	2	-.620	.316	.052	-1.245
		2	1	.620	.316	.052	-.005
	2	1	2	-.624*	.261	.018	-1.141
		2	1	.624*	.261	.018	.108

Pairwise Comparisons

Measure: ext_fix_count

iu_group	time	(I) stimulus	(J) stimulus	95% Confidence Interval for ... Upper Bound
low IU	1	1	2	.728
		2	1	.491
	2	1	2	.495
		2	1	.513
high IU	1	1	2	.005
		2	1	1.245
	2	1	2	-.108
		2	1	1.141

Based on estimated marginal means

*. The mean difference is significant at the .05 level.

b. Adjustment for multiple comparisons: Bonferroni.

Multivariate Tests

iu_group	time		Value	F	Hypothesis df	Error df	Sig.
low IU	1	Pillai's trace	.001	.148[a]	1.000	136.000	.701
		Wilks' lambda	.999	.148[a]	1.000	136.000	.701
		Hotelling's trace	.001	.148[a]	1.000	136.000	.701
		Roy's largest root	.001	.148[a]	1.000	136.000	.701
	2	Pillai's trace	.000	.001[a]	1.000	136.000	.973
		Wilks' lambda	1.000	.001[a]	1.000	136.000	.973
		Hotelling's trace	.000	.001[a]	1.000	136.000	.973
		Roy's largest root	.000	.001[a]	1.000	136.000	.973
high IU	1	Pillai's trace	.028	3.853[a]	1.000	136.000	.052
		Wilks' lambda	.972	3.853[a]	1.000	136.000	.052
		Hotelling's trace	.028	3.853[a]	1.000	136.000	.052
		Roy's largest root	.028	3.853[a]	1.000	136.000	.052
	2	Pillai's trace	.040	5.716[a]	1.000	136.000	.018
		Wilks' lambda	.960	5.716[a]	1.000	136.000	.018
		Hotelling's trace	.042	5.716[a]	1.000	136.000	.018
		Roy's largest root	.042	5.716[a]	1.000	136.000	.018

Multivariate Tests

iu_group	time		Partial Eta Squared
low IU	1	Pillai's trace	.001
		Wilks' lambda	.001
		Hotelling's trace	.001
		Roy's largest root	.001
	2	Pillai's trace	.000
		Wilks' lambda	.000
		Hotelling's trace	.000
		Roy's largest root	.000
high IU	1	Pillai's trace	.028
		Wilks' lambda	.028
		Hotelling's trace	.028
		Roy's largest root	.028
	2	Pillai's trace	.040
		Wilks' lambda	.040
		Hotelling's trace	.040
		Roy's largest root	.040

Each F tests the multivariate simple effects of stimulus within each level combination of the other effects shown. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

a. Exact statistic

13. iu_group * stimulus * time

Estimates

Measure: ext_fix_count

iu_group	stimulus	time	Mean	Std. Error	95% Confidence Interval	
					Lower Bound	Upper Bound
low IU	1	1	6.907[a]	.472	5.974	7.839
		2	6.887[a]	.433	6.031	7.743
	2	1	6.788[a]	.443	5.911	7.665
		2	6.895[a]	.432	6.040	7.751
high IU	1	1	7.428[a]	.483	6.473	8.384
		2	8.239[a]	.444	7.361	9.116
	2	1	8.049[a]	.454	7.150	8.947
		2	8.863[a]	.443	7.987	9.739

a. Covariates appearing in the model are evaluated at the following values: sticsa_total_centred = -.0004.

Pairwise Comparisons

Measure: ext_fix_count

iu_group	stimulus	(I) time	(J) time	Mean Difference (I-J)	Std. Error	Sig.[b]	95% Confidence [b]...
							Lower Bound
low IU	1	1	2	.020	.351	.955	-.675
		2	1	-.020	.351	.955	-.715
	2	1	2	-.107	.309	.729	-.719
		2	1	.107	.309	.729	-.504
high IU	1	1	2	-.810*	.360	.026	-1.522
		2	1	.810*	.360	.026	.098
	2	1	2	-.814*	.317	.011	-1.441
		2	1	.814*	.317	.011	.188

Pairwise Comparisons

Measure: ext_fix_count

iu_group	stimulus	(I) time	(J) time	95% Confidence Interval for [b]... Upper Bound
low IU	1	1	2	.715
		2	1	.675
	2	1	2	.504
		2	1	.719
high IU	1	1	2	-.098
		2	1	1.522
	2	1	2	-.188
		2	1	1.441

Based on estimated marginal means

*. The mean difference is significant at the .05 level.

b. Adjustment for multiple comparisons: Bonferroni.

Multivariate Tests

iu_group	stimulus		Value	F	Hypothesis df	Error df	Sig.
low IU	1	Pillai's trace	.000	.003[a]	1.000	136.000	.955
		Wilks' lambda	1.000	.003[a]	1.000	136.000	.955
		Hotelling's trace	.000	.003[a]	1.000	136.000	.955
		Roy's largest root	.000	.003[a]	1.000	136.000	.955
	2	Pillai's trace	.001	.121[a]	1.000	136.000	.729
		Wilks' lambda	.999	.121[a]	1.000	136.000	.729
		Hotelling's trace	.001	.121[a]	1.000	136.000	.729
		Roy's largest root	.001	.121[a]	1.000	136.000	.729
high IU	1	Pillai's trace	.036	5.062[a]	1.000	136.000	.026
		Wilks' lambda	.964	5.062[a]	1.000	136.000	.026
		Hotelling's trace	.037	5.062[a]	1.000	136.000	.026
		Roy's largest root	.037	5.062[a]	1.000	136.000	.026
	2	Pillai's trace	.046	6.609[a]	1.000	136.000	.011
		Wilks' lambda	.954	6.609[a]	1.000	136.000	.011

Multivariate Tests

iu_group	stimulus		Partial Eta Squared
low IU	1	Pillai's trace	.000
		Wilks' lambda	.000
		Hotelling's trace	.000
		Roy's largest root	.000
	2	Pillai's trace	.001
		Wilks' lambda	.001
		Hotelling's trace	.001
		Roy's largest root	.001
high IU	1	Pillai's trace	.036
		Wilks' lambda	.036
		Hotelling's trace	.036
		Roy's largest root	.036
	2	Pillai's trace	.046
		Wilks' lambda	.046

Multivariate Tests

iu_group	stimulus		Value	F	Hypothesis df	Error df	Sig.
		Hotelling's trace	.049	6.609[a]	1.000	136.000	.011
		Roy's largest root	.049	6.609[a]	1.000	136.000	.011

Multivariate Tests

iu_group	stimulus		Partial Eta Squared
		Hotelling's trace	.046
		Roy's largest root	.046

Each F tests the multivariate simple effects of time within each level combination of the other effects shown. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

a. Exact statistic

```
GLM e_ext_csp_fix_durationl_ext_csp_fix_durationе_ext_csm_fix_durationl_ext
_csm_fix_durationBY iu_group WITH sticsa_total_centred
```

```
  /WSFACTOR=stimulus 2 Polynomial time 2 POLYNOMIAL
  /MEASURE=ext_fix_duration
  /METHOD=SSTYPE(3)
  /POSTHOC=iu_group(BONFERRONI)
  /EMMEANS=TABLES(OVERALL) WITH(sticsa_total_centred@MEAN)
  /EMMEANS=TABLES(iu_group) WITH(sticsa_total_centred@MEAN) COMPARE ADJ(BONFER
RONI)
  /EMMEANS=TABLES(stimulus) WITH(sticsa_total_centred@MEAN) COMPARE ADJ(BONFER
RONI)
  /EMMEANS=TABLES(time) WITH(sticsa_total_centred@MEAN) COMPARE ADJ(BONFERRONI
)
  /EMMEANS=TABLES(iu_group*stimulus)  WITH(sticsa_total_centred@MEAN) COMPARE
(iu_group) ADJ(BONFERRONI)
  /EMMEANS=TABLES(iu_group*stimulus) WITH(sticsa_total_centred@MEAN) COMPARE (
stimulus) ADJ (BONFERRONI)
  /EMMEANS=TABLES(iu_group*time) WITH(sticsa_total_centred@MEAN) COMPARE (iu_g
roup) ADJ (BONFERRONI)
  /EMMEANS=TABLES(iu_group*time) WITH(sticsa_total_centred@MEAN) COMPARE (time
) ADJ (BONFERRONI)
  /EMMEANS=TABLES(stimulus*time) WITH(sticsa_total_centred@MEAN) COMPARE (stim
ulus) ADJ (BONFERRONI)
  /EMMEANS=TABLES(stimulus*time) WITH(sticsa_total_centred@MEAN) COMPARE (time
) ADJ (BONFERRONI)
  /EMMEANS=TABLES(iu_group*stimulus*time) WITH(sticsa_total_centred@MEAN) COMP
ARE (iu_group) ADJ (BONFERRONI)
  /EMMEANS=TABLES(iu_group*stimulus*time) WITH(sticsa_total_centred@MEAN) COMP
ARE (stimulus) ADJ (BONFERRONI)
  /EMMEANS=TABLES(iu_group*stimulus*time) WITH(sticsa_total_centred@MEAN) COMP
ARE (time) ADJ (BONFERRONI)
  /PRINT=DESCRIPTIVE ETASQ
  /CRITERIA=ALPHA(.05)
  /WSDESIGN=stimulus time stimulus*time
  /DESIGN=sticsa_total_centrediu_group.
```

General Linear Model

Notes

Output Created		27-AUG-2021 10:32:34
Comments		
Input	Data	\\tsclient\Drives\claudia\Desktop\simple_effects\anova_simple_effects.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	139
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data for all variables in the model.

Notes

Syntax	GLM e_ext_csp_fix_duration l_ext_csp_fix_duration e_ext_csm_fix_duration l_ext_csm_fix_duration BY iu_group WITH sticsa_total_centred /WSFACTOR=stimulus 2 Polynomial time 2 POLYNOMIAL /MEASURE=ext_fix_durati on /METHOD=SSTYPE(3) /POSTHOC=iu_group (BONFERRONI) /EMMEANS=TABLES (OVERALL) WITH (sticsa_total_centred=ME AN) /EMMEANS=TABLES (iu_group) WITH (sticsa_total_centred=ME AN) COMPARE ADJ (BONFERRONI) /EMMEANS=TABLES (stimulus) WITH (sticsa_total_centred=ME AN) COMPARE ADJ (BONFERRONI) /EMMEANS=TABLES (time) WITH (sticsa_total_centred=ME AN) COMPARE ADJ (BONFERRONI) /EMMEANS=TABLES (iu_group*stimulus) WITH (sticsa_total_centred=ME AN) COMPARE (iu_group) ADJ(BONFERRONI) /EMMEANS=TABLES (iu_group*stimulus) WITH (sticsa_total_centred=ME AN) COMPARE (stimulus) ADJ (BONFERRONI) /EMMEANS=TABLES (iu_group*time) WITH (sticsa_total_centred=ME AN) COMPARE (iu_group) ADJ (BONFERRONI) /EMMEANS=TABLES (iu_group*time) WITH (sticsa_total_centred=ME AN) COMPARE (time) ADJ (BONFERRONI) /EMMEANS=TABLES (stimulus*time) WITH (sticsa_total_centred=ME AN) COMPARE (stimulus) ADJ (BONFERRONI) /EMMEANS=TABLES

Notes

Resources	Processor Time	00:00:00.05
	Elapsed Time	00:00:00.16

Warnings

The POSTHOC subcommand will be ignored because there are covariates in the design.

Within-Subjects Factors

Measure: ext_fix_duration

stimulus	time	Dependent Variable
1	1	e_ext_csp_fix_duration
	2	l_ext_csp_fix_duration
2	1	e_ext_csm_fix_duration
	2	l_ext_csm_fix_duration

Between-Subjects Factors

		Value Label	N
iu_group	-1	low IU	71
	1	high IU	68

Descriptive Statistics

	iu_group	Mean	Std. Deviation	N
e_ext_csp_fix_duration	low IU	1328.308904	1109.787285	71
	high IU	869.8834452	621.1166605	68
	Total	1104.043212	930.0188922	139
l_ext_csp_fix_duration	low IU	1321.936244	1308.180149	71
	high IU	799.0325321	732.0981667	68
	Total	1066.127234	1094.123022	139
e_ext_csm_fix_duration	low IU	1558.410271	1489.189719	71
	high IU	833.2650169	912.1117542	68
	Total	1203.662952	1288.867619	139
l_ext_csm_fix_duration	low IU	1402.558260	1474.727266	71
	high IU	719.9061253	687.9916205	68
	Total	1068.598943	1204.271239	139

Multivariate Tests[a]

Effect		Value	F	Hypothesis df	Error df
stimulus	Pillai's Trace	.005	.709[b]	1.000	136.000
	Wilks' Lambda	.995	.709[b]	1.000	136.000
	Hotelling's Trace	.005	.709[b]	1.000	136.000
	Roy's Largest Root	.005	.709[b]	1.000	136.000
stimulus * sticsa_total_centred	Pillai's Trace	.000	.039[b]	1.000	136.000
	Wilks' Lambda	1.000	.039[b]	1.000	136.000
	Hotelling's Trace	.000	.039[b]	1.000	136.000
	Roy's Largest Root	.000	.039[b]	1.000	136.000
stimulus * iu_group	Pillai's Trace	.016	2.264[b]	1.000	136.000
	Wilks' Lambda	.984	2.264[b]	1.000	136.000
	Hotelling's Trace	.017	2.264[b]	1.000	136.000
	Roy's Largest Root	.017	2.264[b]	1.000	136.000
time	Pillai's Trace	.016	2.228[b]	1.000	136.000
	Wilks' Lambda	.984	2.228[b]	1.000	136.000
	Hotelling's Trace	.016	2.228[b]	1.000	136.000
	Roy's Largest Root	.016	2.228[b]	1.000	136.000
time * sticsa_total_centred	Pillai's Trace	.008	1.096[b]	1.000	136.000
	Wilks' Lambda	.992	1.096[b]	1.000	136.000

Multivariate Tests[a]

Effect		Sig.	Partial Eta Squared
stimulus	Pillai's Trace	.401	.005
	Wilks' Lambda	.401	.005
	Hotelling's Trace	.401	.005
	Roy's Largest Root	.401	.005
stimulus * sticsa_total_centred	Pillai's Trace	.843	.000
	Wilks' Lambda	.843	.000
	Hotelling's Trace	.843	.000
	Roy's Largest Root	.843	.000
stimulus * iu_group	Pillai's Trace	.135	.016
	Wilks' Lambda	.135	.016
	Hotelling's Trace	.135	.016
	Roy's Largest Root	.135	.016
time	Pillai's Trace	.138	.016
	Wilks' Lambda	.138	.016
	Hotelling's Trace	.138	.016
	Roy's Largest Root	.138	.016
time * sticsa_total_centred	Pillai's Trace	.297	.008
	Wilks' Lambda	.297	.008

Multivariate Tests[a]

Effect		Value	F	Hypothesis df	Error df
	Hotelling's Trace	.008	1.096[b]	1.000	136.000
	Roy's Largest Root	.008	1.096[b]	1.000	136.000
time * iu_group	Pillai's Trace	.003	.353[b]	1.000	136.000
	Wilks' Lambda	.997	.353[b]	1.000	136.000
	Hotelling's Trace	.003	.353[b]	1.000	136.000
	Roy's Largest Root	.003	.353[b]	1.000	136.000
stimulus * time	Pillai's Trace	.007	.940[b]	1.000	136.000
	Wilks' Lambda	.993	.940[b]	1.000	136.000
	Hotelling's Trace	.007	.940[b]	1.000	136.000
	Roy's Largest Root	.007	.940[b]	1.000	136.000
stimulus * time * sticsa_total_centred	Pillai's Trace	.000	.015[b]	1.000	136.000
	Wilks' Lambda	1.000	.015[b]	1.000	136.000
	Hotelling's Trace	.000	.015[b]	1.000	136.000
	Roy's Largest Root	.000	.015[b]	1.000	136.000
stimulus * time * iu_group	Pillai's Trace	.001	.168[b]	1.000	136.000
	Wilks' Lambda	.999	.168[b]	1.000	136.000
	Hotelling's Trace	.001	.168[b]	1.000	136.000
	Roy's Largest Root	.001	.168[b]	1.000	136.000

Multivariate Tests[a]

Effect		Sig.	Partial Eta Squared
	Hotelling's Trace	.297	.008
	Roy's Largest Root	.297	.008
time * iu_group	Pillai's Trace	.553	.003
	Wilks' Lambda	.553	.003
	Hotelling's Trace	.553	.003
	Roy's Largest Root	.553	.003
stimulus * time	Pillai's Trace	.334	.007
	Wilks' Lambda	.334	.007
	Hotelling's Trace	.334	.007
	Roy's Largest Root	.334	.007
stimulus * time * sticsa_total_centred	Pillai's Trace	.902	.000
	Wilks' Lambda	.902	.000
	Hotelling's Trace	.902	.000
	Roy's Largest Root	.902	.000
stimulus * time * iu_group	Pillai's Trace	.683	.001
	Wilks' Lambda	.683	.001
	Hotelling's Trace	.683	.001
	Roy's Largest Root	.683	.001

a. Design: Intercept + sticsa_total_centred + iu_group
Within Subjects Design: stimulus + time + stimulus * time

b. Exact statistic

Mauchly's Test of Sphericity[a]

Measure: ext_fix_duration

Within Subjects Effect	Mauchly's W	Approx. Chi-Square	df	Sig.	Epsilon[b] Greenhouse-Geisser
stimulus	1.000	.000	0	.	1.000
time	1.000	.000	0	.	1.000
stimulus * time	1.000	.000	0	.	1.000

Mauchly's Test of Sphericity[a]

Measure: ext_fix_duration

Within Subjects Effect	Epsilon[b] Huynh-Feldt	Lower-bound
stimulus	1.000	1.000
time	1.000	1.000
stimulus * time	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 + sticsa_total_centred + iu_group
Within Subjects Design: stimulus + time + stimulus * time

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: ext_fix_duration

Source		Type III Sum of Squares	df	Mean Square	F
stimulus	Sphericity Assumed	331954.018	1	331954.018	.709
	Greenhouse-Geisser	331954.018	1.000	331954.018	.709
	Huynh-Feldt	331954.018	1.000	331954.018	.709
	Lower-bound	331954.018	1.000	331954.018	.709
stimulus * sticsa_total_centred	Sphericity Assumed	18472.166	1	18472.166	.039
	Greenhouse-Geisser	18472.166	1.000	18472.166	.039
	Huynh-Feldt	18472.166	1.000	18472.166	.039
	Lower-bound	18472.166	1.000	18472.166	.039
stimulus * iu_group	Sphericity Assumed	1059529.785	1	1059529.785	2.264
	Greenhouse-Geisser	1059529.785	1.000	1059529.785	2.264
	Huynh-Feldt	1059529.785	1.000	1059529.785	2.264
	Lower-bound	1059529.785	1.000	1059529.785	2.264
Error(stimulus)	Sphericity Assumed	63635177.10	136	467905.714	
	Greenhouse-Geisser	63635177.10	136.000	467905.714	
	Huynh-Feldt	63635177.10	136.000	467905.714	
	Lower-bound	63635177.10	136.000	467905.714	
time	Sphericity Assumed	1059868.623	1	1059868.623	2.228
	Greenhouse-Geisser	1059868.623	1.000	1059868.623	2.228
	Huynh-Feldt	1059868.623	1.000	1059868.623	2.228
	Lower-bound	1059868.623	1.000	1059868.623	2.228
time * sticsa_total_centred	Sphericity Assumed	521523.209	1	521523.209	1.096
	Greenhouse-Geisser	521523.209	1.000	521523.209	1.096
	Huynh-Feldt	521523.209	1.000	521523.209	1.096
	Lower-bound	521523.209	1.000	521523.209	1.096
time * iu_group	Sphericity Assumed	168084.898	1	168084.898	.353
	Greenhouse-Geisser	168084.898	1.000	168084.898	.353
	Huynh-Feldt	168084.898	1.000	168084.898	.353
	Lower-bound	168084.898	1.000	168084.898	.353
Error(time)	Sphericity Assumed	64707385.49	136	475789.599	
	Greenhouse-Geisser	64707385.49	136.000	475789.599	
	Huynh-Feldt	64707385.49	136.000	475789.599	
	Lower-bound	64707385.49	136.000	475789.599	
stimulus * time	Sphericity Assumed	321007.185	1	321007.185	.940
	Greenhouse-Geisser	321007.185	1.000	321007.185	.940

Tests of Within-Subjects Effects

Measure: ext_fix_duration

Source		Sig.	Partial Eta Squared
stimulus	Sphericity Assumed	.401	.005
	Greenhouse-Geisser	.401	.005
	Huynh-Feldt	.401	.005
	Lower-bound	.401	.005
stimulus * sticsa_total_centred	Sphericity Assumed	.843	.000
	Greenhouse-Geisser	.843	.000
	Huynh-Feldt	.843	.000
	Lower-bound	.843	.000
stimulus * iu_group	Sphericity Assumed	.135	.016
	Greenhouse-Geisser	.135	.016
	Huynh-Feldt	.135	.016
	Lower-bound	.135	.016
Error(stimulus)	Sphericity Assumed		
	Greenhouse-Geisser		
	Huynh-Feldt		
	Lower-bound		
time	Sphericity Assumed	.138	.016
	Greenhouse-Geisser	.138	.016
	Huynh-Feldt	.138	.016
	Lower-bound	.138	.016
time * sticsa_total_centred	Sphericity Assumed	.297	.008
	Greenhouse-Geisser	.297	.008
	Huynh-Feldt	.297	.008
	Lower-bound	.297	.008
time * iu_group	Sphericity Assumed	.553	.003
	Greenhouse-Geisser	.553	.003
	Huynh-Feldt	.553	.003
	Lower-bound	.553	.003
Error(time)	Sphericity Assumed		
	Greenhouse-Geisser		
	Huynh-Feldt		
	Lower-bound		
stimulus * time	Sphericity Assumed	.334	.007
	Greenhouse-Geisser	.334	.007

Tests of Within-Subjects Effects

Measure: ext_fix_duration

Source		Type III Sum of Squares	df	Mean Square	F
	Huynh-Feldt	321007.185	1.000	321007.185	.940
	Lower-bound	321007.185	1.000	321007.185	.940
stimulus * time * sticsa_total_centred	Sphericity Assumed	5245.739	1	5245.739	.015
	Greenhouse-Geisser	5245.739	1.000	5245.739	.015
	Huynh-Feldt	5245.739	1.000	5245.739	.015
	Lower-bound	5245.739	1.000	5245.739	.015
stimulus * time * iu_group	Sphericity Assumed	57323.747	1	57323.747	.168
	Greenhouse-Geisser	57323.747	1.000	57323.747	.168
	Huynh-Feldt	57323.747	1.000	57323.747	.168
	Lower-bound	57323.747	1.000	57323.747	.168
Error(stimulus*time)	Sphericity Assumed	46419314.16	136	341318.487	
	Greenhouse-Geisser	46419314.16	136.000	341318.487	
	Huynh-Feldt	46419314.16	136.000	341318.487	
	Lower-bound	46419314.16	136.000	341318.487	

Tests of Within-Subjects Effects

Measure: ext_fix_duration

Source		Sig.	Partial Eta Squared
	Huynh-Feldt	.334	.007
	Lower-bound	.334	.007
stimulus * time * sticsa_total_centred	Sphericity Assumed	.902	.000
	Greenhouse-Geisser	.902	.000
	Huynh-Feldt	.902	.000
	Lower-bound	.902	.000
stimulus * time * iu_group	Sphericity Assumed	.683	.001
	Greenhouse-Geisser	.683	.001
	Huynh-Feldt	.683	.001
	Lower-bound	.683	.001
Error(stimulus*time)	Sphericity Assumed		
	Greenhouse-Geisser		
	Huynh-Feldt		
	Lower-bound		

Tests of Within-Subjects Contrasts

Measure: ext_fix_duration

Source	stimulus	time	Type III Sum of Squares	df	Mean Square	F
stimulus	Linear		331954.018	1	331954.018	.709
stimulus * sticsa_total_centred	Linear		18472.166	1	18472.166	.039
stimulus * iu_group	Linear		1059529.785	1	1059529.785	2.264
Error(stimulus)	Linear		63635177.10	136	467905.714	
time		Linear	1059868.623	1	1059868.623	2.228
time * sticsa_total_centred		Linear	521523.209	1	521523.209	1.096
time * iu_group		Linear	168084.898	1	168084.898	.353
Error(time)		Linear	64707385.49	136	475789.599	
stimulus * time	Linear	Linear	321007.185	1	321007.185	.940
stimulus * time * sticsa_total_centred	Linear	Linear	5245.739	1	5245.739	.015
stimulus * time * iu_group	Linear	Linear	57323.747	1	57323.747	.168
Error(stimulus*time)	Linear	Linear	46419314.16	136	341318.487	

Tests of Within-Subjects Contrasts

Measure: ext_fix_duration

Source	stimulus	time	Sig.	Partial Eta Squared
stimulus	Linear		.401	.005
stimulus * sticsa_total_centred	Linear		.843	.000
stimulus * iu_group	Linear		.135	.016
Error(stimulus)	Linear			
time		Linear	.138	.016
time * sticsa_total_centred		Linear	.297	.008
time * iu_group		Linear	.553	.003
Error(time)		Linear		
stimulus * time	Linear	Linear	.334	.007
stimulus * time * sticsa_total_centred	Linear	Linear	.902	.000
stimulus * time * iu_group	Linear	Linear	.683	.001
Error(stimulus*time)	Linear	Linear		

Tests of Between-Subjects Effects

Measure: ext_fix_duration

Transformed Variable: Average

Source	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Intercept	677255516.4	1	677255516.4	189.017	.000	.582
sticsa_total_centred	93005.358	1	93005.358	.026	.872	.000
iu_group	39544292.43	1	39544292.43	11.037	.001	.075
Error	487294027.1	136	3583044.317			

Estimated Marginal Means

1. Grand Mean

Measure: ext_fix_duration

Mean	Std. Error	95% Confidence Interval	
		Lower Bound	Upper Bound
1104.006[a]	80.301	945.205	1262.806

a. Covariates appearing in the model are evaluated at the following values: sticsa_total_centred = -.0004.

2. iu_group

Estimates

Measure: ext_fix_duration

iu_group	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
low IU	1409.908[a]	120.669	1171.277	1648.539
high IU	798.103[a]	123.665	553.548	1042.659

a. Covariates appearing in the model are evaluated at the following values: sticsa_total_centred = -.0004.

Pairwise Comparisons

Measure: ext_fix_duration

(I) iu_group	(J) iu_group	Mean Difference (I-J)	Std. Error	Sig.[b]	95% Confidence Interval for Difference[b]	
					Lower Bound	Upper Bound
low IU	high IU	611.805*	184.161	.001	247.616	975.994
high IU	low IU	-611.805*	184.161	.001	-975.994	-247.616

Based on estimated marginal means

*. The mean difference is significant at the .05 level.

b. Adjustment for multiple comparisons: Bonferroni.

Univariate Tests

Measure: ext_fix_duration

	Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Contrast	9886073.107	1	9886073.107	11.037	.001	.075
Error	121823506.8	136	895761.079			

The F tests the effect of iu_group. This test is based on the linearly independent pairwise comparisons among the estimated marginal means.

3. stimulus

Estimates

Measure: ext_fix_duration

stimulus	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	1079.564[a]	75.088	931.072	1228.055
2	1128.448[a]	94.564	941.441	1315.455

a. Covariates appearing in the model are evaluated at the following values: sticsa_total_centred = -.0004.

Pairwise Comparisons

Measure: ext_fix_duration

(I) stimulus	(J) stimulus	Mean Difference (I-J)	Std. Error	Sig.[a]	95% Confidence Interval for Difference[a]	
					Lower Bound	Upper Bound
1	2	-48.884	58.037	.401	-163.656	65.887
2	1	48.884	58.037	.401	-65.887	163.656

Based on estimated marginal means

a. Adjustment for multiple comparisons: Bonferroni.

Multivariate Tests

	Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
Pillai's trace	.005	.709[a]	1.000	136.000	.401	.005
Wilks' lambda	.995	.709[a]	1.000	136.000	.401	.005
Hotelling's trace	.005	.709[a]	1.000	136.000	.401	.005
Roy's largest root	.005	.709[a]	1.000	136.000	.401	.005

Each F tests the multivariate effect of stimulus. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

a. Exact statistic

4. time

Estimates

Measure: ext_fix_duration

time	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	1147.681[a]	83.982	981.601	1313.761
2	1060.330[a]	86.925	888.430	1232.231

a. Covariates appearing in the model are evaluated at the following values: sticsa_total_centred = -.0004.

Pairwise Comparisons

Measure: ext_fix_duration

(I) time	(J) time	Mean Difference (I-J)	Std. Error	Sig.[a]	95% Confidence Interval for Difference[a]	
					Lower Bound	Upper Bound
1	2	87.351	58.524	.138	-28.384	203.085
2	1	-87.351	58.524	.138	-203.085	28.384

Based on estimated marginal means

a. Adjustment for multiple comparisons: Bonferroni.

Multivariate Tests

	Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
Pillai's trace	.016	2.228[a]	1.000	136.000	.138	.016
Wilks' lambda	.984	2.228[a]	1.000	136.000	.138	.016
Hotelling's trace	.016	2.228[a]	1.000	136.000	.138	.016
Roy's largest root	.016	2.228[a]	1.000	136.000	.138	.016

Each F tests the multivariate effect of time. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

a. Exact statistic

5. iu_group * stimulus

Estimates

Measure: ext_fix_duration

iu_group	stimulus	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
low IU	1	1335.394[a]	112.836	1112.254	1558.534
	2	1484.423[a]	142.103	1203.406	1765.440
high IU	1	823.734[a]	115.637	595.054	1052.413
	2	772.473[a]	145.631	484.479	1060.467

a. Covariates appearing in the model are evaluated at the following values: sticsa_total_centred = -.0004.

Pairwise Comparisons

Measure: ext_fix_duration

stimulus	(I) iu_group	(J) iu_group	Mean Difference (I-J)	Std. Error	Sig.[b]	95% Confidence ...[b] Lower Bound
1	low IU	high IU	511.660*	172.206	.004	171.113
	high IU	low IU	-511.660*	172.206	.004	-852.208
2	low IU	high IU	711.949*	216.872	.001	283.072
	high IU	low IU	-711.949*	216.872	.001	-1140.827

Pairwise Comparisons

Measure: ext_fix_duration

stimulus	(I) iu_group	(J) iu_group	95% Confidence Interval for ...[b] Upper Bound
1	low IU	high IU	852.208
	high IU	low IU	-171.113
2	low IU	high IU	1140.827
	high IU	low IU	-283.072

Based on estimated marginal means

*. The mean difference is significant at the .05 level.

b. Adjustment for multiple comparisons: Bonferroni.

Univariate Tests

Measure: ext_fix_duration

stimulus		Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
1	Contrast	6914508.595	1	6914508.595	8.828	.004	.061
	Error	106520292.9	136	783237.448			
2	Contrast	13387402.51	1	13387402.51	10.777	.001	.073
	Error	168944309.2	136	1242237.567			

Each F tests the simple effects of iu_group within each level combination of the other effects shown. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

6. iu_group * stimulus

Estimates

Measure: ext_fix_duration

iu_group	stimulus	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
low IU	1	1335.394[a]	112.836	1112.254	1558.534
	2	1484.423[a]	142.103	1203.406	1765.440
high IU	1	823.734[a]	115.637	595.054	1052.413
	2	772.473[a]	145.631	484.479	1060.467

a. Covariates appearing in the model are evaluated at the following values: sticsa_total_centred = -.0004.

Pairwise Comparisons

Measure: ext_fix_duration

iu_group	(I) stimulus	(J) stimulus	Mean Difference (I-J)	Std. Error	Sig.[a]	95% Confidence [a]...
						Lower Bound
low IU	1	2	-149.029	87.213	.090	-321.497
	2	1	149.029	87.213	.090	-23.440
high IU	1	2	51.260	89.378	.567	-125.490
	2	1	-51.260	89.378	.567	-228.011

Pairwise Comparisons

Measure: ext_fix_duration

iu_group	(I) stimulus	(J) stimulus	95% Confidence Interval for [a]...
			Upper Bound
low IU	1	2	23.440
	2	1	321.497
high IU	1	2	228.011
	2	1	125.490

Based on estimated marginal means

a. Adjustment for multiple comparisons: Bonferroni.

Multivariate Tests

iu_group		Value	F	Hypothesis df	Error df	Sig.
low IU	Pillai's trace	.021	2.920[a]	1.000	136.000	.090
	Wilks' lambda	.979	2.920[a]	1.000	136.000	.090
	Hotelling's trace	.021	2.920[a]	1.000	136.000	.090
	Roy's largest root	.021	2.920[a]	1.000	136.000	.090
high IU	Pillai's trace	.002	.329[a]	1.000	136.000	.567
	Wilks' lambda	.998	.329[a]	1.000	136.000	.567
	Hotelling's trace	.002	.329[a]	1.000	136.000	.567
	Roy's largest root	.002	.329[a]	1.000	136.000	.567

Multivariate Tests

iu_group		Partial Eta Squared
low IU	Pillai's trace	.021
	Wilks' lambda	.021
	Hotelling's trace	.021
	Roy's largest root	.021
high IU	Pillai's trace	.002
	Wilks' lambda	.002
	Hotelling's trace	.002
	Roy's largest root	.002

Each F tests the multivariate simple effects of stimulus within each level combination of the other effects shown. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

a. Exact statistic

7. iu_group * time

Estimates

Measure: ext_fix_duration

iu_group	time	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
low IU	1	1433.640[a]	126.201	1184.070	1683.210
	2	1386.177[a]	130.624	1127.860	1644.493
high IU	1	861.723[a]	129.334	605.956	1117.489
	2	734.484[a]	133.867	469.755	999.214

a. Covariates appearing in the model are evaluated at the following values: sticsa_total_centred = -.0004.

Pairwise Comparisons

Measure: ext_fix_duration

time	(I) iu_group	(J) iu_group	Mean Difference (I-J)	Std. Error	Sig.[b]	95% Confidence [b]...
						Lower Bound
1	low IU	high IU	571.917*	192.603	.004	191.033
	high IU	low IU	-571.917*	192.603	.004	-952.802
2	low IU	high IU	651.692*	199.353	.001	257.460
	high IU	low IU	-651.692*	199.353	.001	-1045.925

Pairwise Comparisons

Measure: ext_fix_duration

time	(I) iu_group	(J) iu_group	95% Confidence Interval for [b]...
			Upper Bound
1	low IU	high IU	952.802
	high IU	low IU	-191.033
2	low IU	high IU	1045.925
	high IU	low IU	-257.460

Based on estimated marginal means

*. The mean difference is significant at the .05 level.

b. Adjustment for multiple comparisons: Bonferroni.

Univariate Tests

Measure: ext_fix_duration

time		Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
1	Contrast	8639025.060	1	8639025.060	8.817	.004	.061
	Error	133248781.4	136	979770.452			
2	Contrast	11217163.60	1	11217163.60	10.687	.001	.073
	Error	142751924.9	136	1049646.506			

Each F tests the simple effects of iu_group within each level combination of the other effects shown. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

8. iu_group * time

Estimates

Measure: ext_fix_duration

iu_group	time	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
low IU	1	1433.640[a]	126.201	1184.070	1683.210
	2	1386.177[a]	130.624	1127.860	1644.493
high IU	1	861.723[a]	129.334	605.956	1117.489
	2	734.484[a]	133.867	469.755	999.214

a. Covariates appearing in the model are evaluated at the following values: sticsa_total_centred = -.0004.

Pairwise Comparisons

Measure: ext_fix_duration

iu_group	(I) time	(J) time	Mean Difference (I-J)	Std. Error	Sig.[a]	95% Confidence Interval for Difference[a]	
						Lower Bound	Upper Bound
low IU	1	2	47.464	87.944	.590	-126.452	221.379
	2	1	-47.464	87.944	.590	-221.379	126.452
high IU	1	2	127.238	90.128	.160	-50.995	305.471
	2	1	-127.238	90.128	.160	-305.471	50.995

Based on estimated marginal means

a. Adjustment for multiple comparisons: Bonferroni.

Multivariate Tests

iu_group		Value	F	Hypothesis df	Error df	Sig.
low IU	Pillai's trace	.002	.291[a]	1.000	136.000	.590
	Wilks' lambda	.998	.291[a]	1.000	136.000	.590
	Hotelling's trace	.002	.291[a]	1.000	136.000	.590
	Roy's largest root	.002	.291[a]	1.000	136.000	.590
high IU	Pillai's trace	.014	1.993[a]	1.000	136.000	.160
	Wilks' lambda	.986	1.993[a]	1.000	136.000	.160
	Hotelling's trace	.015	1.993[a]	1.000	136.000	.160
	Roy's largest root	.015	1.993[a]	1.000	136.000	.160

Multivariate Tests

iu_group		Partial Eta Squared
low IU	Pillai's trace	.002
	Wilks' lambda	.002
	Hotelling's trace	.002
	Roy's largest root	.002
high IU	Pillai's trace	.014
	Wilks' lambda	.014
	Hotelling's trace	.014
	Roy's largest root	.014

Each F tests the multivariate simple effects of time within each level combination of the other effects shown. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

a. Exact statistic

9. stimulus * time

Estimates

Measure: ext_fix_duration

stimulus	time	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
1	1	1099.204[a]	77.013	946.906	1251.501
	2	1059.924[a]	90.696	880.566	1239.282
2	1	1196.159[a]	105.651	987.227	1405.091
	2	1060.737[a]	98.613	865.724	1255.750

a. Covariates appearing in the model are evaluated at the following values: sticsa_total_centred = -.0004.

Pairwise Comparisons

Measure: ext_fix_duration

time	(I) stimulus	(J) stimulus	Mean Difference (I-J)	Std. Error	Sig.[a]	95% Confidence [a]...
						Lower Bound
1	1	2	-96.956	77.293	.212	-249.807
	2	1	96.956	77.293	.212	-55.896
2	1	2	-.813	75.342	.991	-149.806
	2	1	.813	75.342	.991	-148.180

Pairwise Comparisons

Measure: ext_fix_duration

time	(I) stimulus	(J) stimulus	95% Confidence Interval for [a]...
			Upper Bound
1	1	2	55.896
	2	1	249.807
2	1	2	148.180
	2	1	149.806

Based on estimated marginal means

a. Adjustment for multiple comparisons: Bonferroni.

Multivariate Tests

time		Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
1	Pillai's trace	.011	1.573[a]	1.000	136.000	.212	.011
	Wilks' lambda	.989	1.573[a]	1.000	136.000	.212	.011
	Hotelling's trace	.012	1.573[a]	1.000	136.000	.212	.011
	Roy's largest root	.012	1.573[a]	1.000	136.000	.212	.011
2	Pillai's trace	.000	.000[a]	1.000	136.000	.991	.000
	Wilks' lambda	1.000	.000[a]	1.000	136.000	.991	.000
	Hotelling's trace	.000	.000[a]	1.000	136.000	.991	.000
	Roy's largest root	.000	.000[a]	1.000	136.000	.991	.000

Each F tests the multivariate simple effects of stimulus within each level combination of the other effects shown. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

a. Exact statistic

10. stimulus * time

Estimates

Measure: ext_fix_duration

stimulus	time	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
1	1	1099.204[a]	77.013	946.906	1251.501
	2	1059.924[a]	90.696	880.566	1239.282
2	1	1196.159[a]	105.651	987.227	1405.091
	2	1060.737[a]	98.613	865.724	1255.750

a. Covariates appearing in the model are evaluated at the following values: sticsa_total_centred = -.0004.

Pairwise Comparisons

Measure: ext_fix_duration

stimulus	(I) time	(J) time	Mean Difference (I-J)	Std. Error	Sig.[a]	95% Confidence Interval for Difference[a]	
						Lower Bound	Upper Bound
1	1	2	39.280	75.899	.606	-110.815	189.374
	2	1	-39.280	75.899	.606	-189.374	110.815
2	1	2	135.422	77.482	.083	-17.804	288.648
	2	1	-135.422	77.482	.083	-288.648	17.804

Based on estimated marginal means

a. Adjustment for multiple comparisons: Bonferroni.

Multivariate Tests

stimulus		Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
1	Pillai's trace	.002	.268[a]	1.000	136.000	.606	.002
	Wilks' lambda	.998	.268[a]	1.000	136.000	.606	.002
	Hotelling's trace	.002	.268[a]	1.000	136.000	.606	.002
	Roy's largest root	.002	.268[a]	1.000	136.000	.606	.002
2	Pillai's trace	.022	3.055[a]	1.000	136.000	.083	.022
	Wilks' lambda	.978	3.055[a]	1.000	136.000	.083	.022
	Hotelling's trace	.022	3.055[a]	1.000	136.000	.083	.022
	Roy's largest root	.022	3.055[a]	1.000	136.000	.083	.022

Each F tests the multivariate simple effects of time within each level combination of the other effects shown. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

a. Exact statistic

11. iu_group * stimulus * time

Estimates

Measure: ext_fix_duration

iu_group	stimulus	time	Mean	Std. Error	95% Confidence Interval	
					Lower Bound	Upper Bound
low IU	1	1	1323.443[a]	115.728	1094.584	1552.302
		2	1347.345[a]	136.290	1077.822	1616.867
	2	1	1543.837[a]	158.763	1229.873	1857.801
		2	1425.009[a]	148.186	1131.961	1718.056
high IU	1	1	874.964[a]	118.601	640.423	1109.505
		2	772.503[a]	139.674	496.289	1048.717
	2	1	848.481[a]	162.705	526.723	1170.240
		2	696.465[a]	151.865	396.143	996.788

a. Covariates appearing in the model are evaluated at the following values: sticsa_total_centred = -.0004.

Pairwise Comparisons

Measure: ext_fix_duration

stimulus	time	(I) iu_group	(J) iu_group	Mean Difference (I-J)	Std. Error	Sig.[b]	95% Confidence [b]...
							Lower Bound
1	1	low IU	high IU	448.479*	176.620	.012	99.203
		high IU	low IU	-448.479*	176.620	.012	-797.755
	2	low IU	high IU	574.841*	208.001	.007	163.507
		high IU	low IU	-574.841*	208.001	.007	-986.176
2	1	low IU	high IU	695.356*	242.298	.005	216.197
		high IU	low IU	-695.356*	242.298	.005	-1174.515
	2	low IU	high IU	728.543*	226.156	.002	281.306
		high IU	low IU	-728.543*	226.156	.002	-1175.780

Pairwise Comparisons

Measure: ext_fix_duration

stimulus	time	(I) iu_group	(J) iu_group	95% Confidence Interval for [b]... Upper Bound
1	1	low IU	high IU	797.755
		high IU	low IU	-99.203
	2	low IU	high IU	986.176
		high IU	low IU	-163.507
2	1	low IU	high IU	1174.515
		high IU	low IU	-216.197
	2	low IU	high IU	1175.780
		high IU	low IU	-281.306

Based on estimated marginal means

*. The mean difference is significant at the .05 level.

b. Adjustment for multiple comparisons: Bonferroni.

Univariate Tests

Measure: ext_fix_duration

stimulus	time		Sum of Squares	df	Mean Square	F	Sig.
1	1	Contrast	5312299.592	1	5312299.592	6.448	.012
		Error	112050697.6	136	823902.188		
	2	Contrast	8727581.261	1	8727581.261	7.638	.007
		Error	155405946.6	136	1142690.784		
2	1	Contrast	12770624.48	1	12770624.48	8.236	.005
		Error	210880703.1	136	1550593.405		
	2	Contrast	14018725.52	1	14018725.52	10.378	.002
		Error	183718556.5	136	1350871.739		

Univariate Tests

Measure: ext_fix_duration

stimulus	time		Partial Eta Squared
1	1	Contrast	.045
		Error	
	2	Contrast	.053
		Error	
2	1	Contrast	.057
		Error	
	2	Contrast	.071
		Error	

Each F tests the simple effects of iu_group within each level combination of the other effects shown. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

12. iu_group * stimulus * time

Estimates

Measure: ext_fix_duration

iu_group	stimulus	time	Mean	Std. Error	95% Confidence Interval	
					Lower Bound	Upper Bound
low IU	1	1	1323.443[a]	115.728	1094.584	1552.302
		2	1347.345[a]	136.290	1077.822	1616.867
	2	1	1543.837[a]	158.763	1229.873	1857.801
		2	1425.009[a]	148.186	1131.961	1718.056
high IU	1	1	874.964[a]	118.601	640.423	1109.505
		2	772.503[a]	139.674	496.289	1048.717
	2	1	848.481[a]	162.705	526.723	1170.240
		2	696.465[a]	151.865	396.143	996.788

a. Covariates appearing in the model are evaluated at the following values: sticsa_total_centred = -.0004.

Pairwise Comparisons

Measure: ext_fix_duration

iu_group	time	(I) stimulus	(J) stimulus	Mean Difference (I-J)	Std. Error	Sig.[a]	95% Confidence [a]... Lower Bound
low IU	1	1	2	-220.394	116.149	.060	-450.086
		2	1	220.394	116.149	.060	-9.298
	2	1	2	-77.664	113.217	.494	-301.558
		2	1	77.664	113.217	.494	-146.230
high IU	1	1	2	26.483	119.033	.824	-208.912
		2	1	-26.483	119.033	.824	-261.877
	2	1	2	76.038	116.028	.513	-153.415
		2	1	-76.038	116.028	.513	-305.490

Pairwise Comparisons

Measure: ext_fix_duration

iu_group	time	(I) stimulus	(J) stimulus	95% Confidence Interval for [a]... Upper Bound
low IU	1	1	2	9.298
		2	1	450.086
	2	1	2	146.230
		2	1	301.558
high IU	1	1	2	261.877
		2	1	208.912
	2	1	2	305.490
		2	1	153.415

Based on estimated marginal means

a. Adjustment for multiple comparisons: Bonferroni.

Multivariate Tests

iu_group	time		Value	F	Hypothesis df	Error df	Sig.
low IU	1	Pillai's trace	.026	3.601[a]	1.000	136.000	.060
		Wilks' lambda	.974	3.601[a]	1.000	136.000	.060
		Hotelling's trace	.026	3.601[a]	1.000	136.000	.060
		Roy's largest root	.026	3.601[a]	1.000	136.000	.060
	2	Pillai's trace	.003	.471[a]	1.000	136.000	.494
		Wilks' lambda	.997	.471[a]	1.000	136.000	.494
		Hotelling's trace	.003	.471[a]	1.000	136.000	.494
		Roy's largest root	.003	.471[a]	1.000	136.000	.494
high IU	1	Pillai's trace	.000	.049[a]	1.000	136.000	.824
		Wilks' lambda	1.000	.049[a]	1.000	136.000	.824
		Hotelling's trace	.000	.049[a]	1.000	136.000	.824
		Roy's largest root	.000	.049[a]	1.000	136.000	.824
	2	Pillai's trace	.003	.429[a]	1.000	136.000	.513
		Wilks' lambda	.997	.429[a]	1.000	136.000	.513
		Hotelling's trace	.003	.429[a]	1.000	136.000	.513
		Roy's largest root	.003	.429[a]	1.000	136.000	.513

Multivariate Tests

iu_group	time		Partial Eta Squared
low IU	1	Pillai's trace	.026
		Wilks' lambda	.026
		Hotelling's trace	.026
		Roy's largest root	.026
	2	Pillai's trace	.003
		Wilks' lambda	.003
		Hotelling's trace	.003
		Roy's largest root	.003
high IU	1	Pillai's trace	.000
		Wilks' lambda	.000
		Hotelling's trace	.000
		Roy's largest root	.000
	2	Pillai's trace	.003
		Wilks' lambda	.003
		Hotelling's trace	.003
		Roy's largest root	.003

Each F tests the multivariate simple effects of stimulus within each level combination of the other effects shown. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

a. Exact statistic

13. iu_group * stimulus * time

Estimates

Measure: ext_fix_duration

iu_group	stimulus	time	Mean	Std. Error	95% Confidence Interval	
					Lower Bound	Upper Bound
low IU	1	1	1323.443[a]	115.728	1094.584	1552.302
		2	1347.345[a]	136.290	1077.822	1616.867
	2	1	1543.837[a]	158.763	1229.873	1857.801
		2	1425.009[a]	148.186	1131.961	1718.056
high IU	1	1	874.964[a]	118.601	640.423	1109.505
		2	772.503[a]	139.674	496.289	1048.717
	2	1	848.481[a]	162.705	526.723	1170.240
		2	696.465[a]	151.865	396.143	996.788

a. Covariates appearing in the model are evaluated at the following values: sticsa_total_centred = -.0004.

Pairwise Comparisons

Measure: ext_fix_duration

iu_group	stimulus	(I) time	(J) time	Mean Difference (I-J)	Std. Error	Sig.[a]	95% Confidence [a]...
							Lower Bound
low IU	1	1	2	-23.901	114.054	.834	-249.450
		2	1	23.901	114.054	.834	-201.647
	2	1	2	118.828	116.434	.309	-111.426
		2	1	-118.828	116.434	.309	-349.083
high IU	1	1	2	102.461	116.885	.382	-128.687
		2	1	-102.461	116.885	.382	-333.609
	2	1	2	152.016	119.324	.205	-83.955
		2	1	-152.016	119.324	.205	-387.987

Pairwise Comparisons

Measure: ext_fix_duration

iu_group	stimulus	(I) time	(J) time	95% Confidence Interval for [a]... Upper Bound
low IU	1	1	2	201.647
		2	1	249.450
	2	1	2	349.083
		2	1	111.426
high IU	1	1	2	333.609
		2	1	128.687
	2	1	2	387.987
		2	1	83.955

Based on estimated marginal means

a. Adjustment for multiple comparisons: Bonferroni.

Multivariate Tests

iu_group	stimulus		Value	F	Hypothesis df	Error df	Sig.
low IU	1	Pillai's trace	.000	.044[a]	1.000	136.000	.834
		Wilks' lambda	1.000	.044[a]	1.000	136.000	.834
		Hotelling's trace	.000	.044[a]	1.000	136.000	.834
		Roy's largest root	.000	.044[a]	1.000	136.000	.834
	2	Pillai's trace	.008	1.042[a]	1.000	136.000	.309
		Wilks' lambda	.992	1.042[a]	1.000	136.000	.309
		Hotelling's trace	.008	1.042[a]	1.000	136.000	.309
		Roy's largest root	.008	1.042[a]	1.000	136.000	.309
high IU	1	Pillai's trace	.006	.768[a]	1.000	136.000	.382
		Wilks' lambda	.994	.768[a]	1.000	136.000	.382
		Hotelling's trace	.006	.768[a]	1.000	136.000	.382
		Roy's largest root	.006	.768[a]	1.000	136.000	.382
	2	Pillai's trace	.012	1.623[a]	1.000	136.000	.205
		Wilks' lambda	.988	1.623[a]	1.000	136.000	.205
		Hotelling's trace	.012	1.623[a]	1.000	136.000	.205
		Roy's largest root	.012	1.623[a]	1.000	136.000	.205

Multivariate Tests

iu_group	stimulus		Partial Eta Squared
low IU	1	Pillai's trace	.000
		Wilks' lambda	.000
		Hotelling's trace	.000
		Roy's largest root	.000
	2	Pillai's trace	.008
		Wilks' lambda	.008
		Hotelling's trace	.008
		Roy's largest root	.008
high IU	1	Pillai's trace	.006
		Wilks' lambda	.006
		Hotelling's trace	.006
		Roy's largest root	.006
	2	Pillai's trace	.012
		Wilks' lambda	.012
		Hotelling's trace	.012
		Roy's largest root	.012

Each F tests the multivariate simple effects of time within each level combination of the other effects shown. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

a. Exact statistic

```
GLM e_ext_csp_sacc_amplitudel_ext_csp_sacc_amplitudee_ext_csm_sacc_amplitude
 l_ext_csm_sacc_amplitudeBY iu_group WITH sticsa_total_centred
  /WSFACTOR=stimulus 2 Polynomial time 2 POLYNOMIAL
  /MEASURE=ext_sacc_amplitude
  /METHOD=SSTYPE(3)
  /POSTHOC=iu_group(BONFERRONI)
  /EMMEANS=TABLES(OVERALL) WITH(sticsa_total_centred=MEAN)
  /EMMEANS=TABLES(iu_group) WITH(sticsa_total_centred=MEAN) COMPARE ADJ(BONFER
RONI)
  /EMMEANS=TABLES(stimulus) WITH(sticsa_total_centred=MEAN) COMPARE ADJ(BONFER
RONI)
  /EMMEANS=TABLES(time) WITH(sticsa_total_centred=MEAN) COMPARE ADJ(BONFERRONI
```

```
)
  /EMMEANS=TABLES(iu_group*stimulus)  WITH(sticsa_total_centred=MEAN) COMPARE
(iu_group) ADJ(BONFERRONI)
  /EMMEANS=TABLES(iu_group*stimulus) WITH(sticsa_total_centred=MEAN) COMPARE (
stimulus) ADJ (BONFERRONI)
  /EMMEANS=TABLES(iu_group*time) WITH(sticsa_total_centred=MEAN) COMPARE (iu_g
roup) ADJ (BONFERRONI)
  /EMMEANS=TABLES(iu_group*time) WITH(sticsa_total_centred=MEAN) COMPARE (time
) ADJ (BONFERRONI)
  /EMMEANS=TABLES(stimulus*time) WITH(sticsa_total_centred=MEAN) COMPARE (stim
ulus) ADJ (BONFERRONI)
  /EMMEANS=TABLES(stimulus*time) WITH(sticsa_total_centred=MEAN) COMPARE (time
) ADJ (BONFERRONI)
  /EMMEANS=TABLES(iu_group*stimulus*time) WITH(sticsa_total_centred=MEAN) COMP
ARE (iu_group) ADJ (BONFERRONI)
  /EMMEANS=TABLES(iu_group*stimulus*time) WITH(sticsa_total_centred=MEAN) COMP
ARE (stimulus) ADJ (BONFERRONI)
  /EMMEANS=TABLES(iu_group*stimulus*time) WITH(sticsa_total_centred=MEAN) COMP
ARE (time) ADJ (BONFERRONI)
  /PRINT=DESCRIPTIVE ETASQ
  /CRITERIA=ALPHA(.05)
  /WSDESIGN=stimulus time stimulus*time
  /DESIGN=sticsa_total_centrediu_group.
```

General Linear Model

Notes

Output Created		27-AUG-2021 10:33:10
Comments		
Input	Data	\\tsclient\Drives\claudia\Desktop\simple_effects\anova_simple_effects.sav
	Active Dataset	DataSet1
	Filter	<none>
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	N of Rows in Working Data File	139
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data for all variables in the model.

Notes

Syntax	GLM e_ext_csp_sacc_amplitud e l_ext_csp_sacc_amplitude e_ext_csm_sacc_amplitud e l_ext_csm_sacc_amplitud e BY iu_group WITH sticsa_total_centred /WSFACTOR=stimulus 2 Polynomial time 2 POLYNOMIAL /MEASURE=ext_sacc_am plitude /METHOD=SSTYPE(3) /POSTHOC=iu_group (BONFERRONI) /EMMEANS=TABLES (OVERALL) WITH (sticsa_total_centred=ME AN) /EMMEANS=TABLES (iu_group) WITH (sticsa_total_centred=ME AN) COMPARE ADJ (BONFERRONI) /EMMEANS=TABLES (stimulus) WITH (sticsa_total_centred=ME AN) COMPARE ADJ (BONFERRONI) /EMMEANS=TABLES (time) WITH (sticsa_total_centred=ME AN) COMPARE ADJ (BONFERRONI) /EMMEANS=TABLES (iu_group*stimulus) WITH (sticsa_total_centred=ME AN) COMPARE (iu_group) ADJ(BONFERRONI) /EMMEANS=TABLES (iu_group*stimulus) WITH (sticsa_total_centred=ME AN) COMPARE (stimulus) ADJ (BONFERRONI) /EMMEANS=TABLES (iu_group*time) WITH (sticsa_total_centred=ME AN) COMPARE (iu_group) ADJ (BONFERRONI) /EMMEANS=TABLES (iu_group*time) WITH (sticsa_total_centred=ME AN) COMPARE (time) ADJ (BONFERRONI) /EMMEANS=TABLES (stimulus*time) WITH (sticsa_total_centred=ME AN) COMPARE (stimulus)

Notes

Resources	Processor Time	00:00:00.05
	Elapsed Time	00:00:00.19

Warnings

The POSTHOC subcommand will be ignored because there are covariates in the design.

Within-Subjects Factors

Measure: ext_sacc_amplitude

stimulus	time	Dependent Variable
1	1	e_ext_csp_sacc_amplitude
	2	l_ext_csp_sacc_amplitude
2	1	e_ext_csm_sacc_amplitude
	2	l_ext_csm_sacc_amplitude

Between-Subjects Factors

		Value Label	N
iu_group	-1	low IU	69
	1	high IU	67

Descriptive Statistics

	iu_group	Mean	Std. Deviation	N
e_ext_csp_sacc_amplitude	low IU	2.969559705	1.832602869	69
	high IU	3.177395000	1.795975985	67
	Total	3.071949152	1.810927234	136
l_ext_csp_sacc_amplitude	low IU	2.768108598	2.040031084	69
	high IU	3.210036324	1.792004763	67
	Total	2.985822992	1.927540637	136
e_ext_csm_sacc_amplitude	low IU	2.816273134	1.538857928	69
	high IU	3.461668718	1.882145007	67
	Total	3.134225371	1.740565776	136
l_ext_csm_sacc_amplitude	low IU	2.826245679	2.091160725	69
	high IU	3.394000623	1.853909004	67
	Total	3.105948482	1.991014605	136

Multivariate Tests[a]

Effect		Value	F	Hypothesis df	Error df
stimulus	Pillai's Trace	.006	.754[b]	1.000	133.000
	Wilks' Lambda	.994	.754[b]	1.000	133.000
	Hotelling's Trace	.006	.754[b]	1.000	133.000
	Roy's Largest Root	.006	.754[b]	1.000	133.000
stimulus * sticsa_total_centred	Pillai's Trace	.003	.370[b]	1.000	133.000
	Wilks' Lambda	.997	.370[b]	1.000	133.000
	Hotelling's Trace	.003	.370[b]	1.000	133.000
	Roy's Largest Root	.003	.370[b]	1.000	133.000
stimulus * iu_group	Pillai's Trace	.015	2.035[b]	1.000	133.000
	Wilks' Lambda	.985	2.035[b]	1.000	133.000
	Hotelling's Trace	.015	2.035[b]	1.000	133.000
	Roy's Largest Root	.015	2.035[b]	1.000	133.000
time	Pillai's Trace	.002	.255[b]	1.000	133.000
	Wilks' Lambda	.998	.255[b]	1.000	133.000
	Hotelling's Trace	.002	.255[b]	1.000	133.000
	Roy's Largest Root	.002	.255[b]	1.000	133.000
time * sticsa_total_centred	Pillai's Trace	.010	1.359[b]	1.000	133.000
	Wilks' Lambda	.990	1.359[b]	1.000	133.000

Multivariate Tests[a]

Effect		Sig.	Partial Eta Squared
stimulus	Pillai's Trace	.387	.006
	Wilks' Lambda	.387	.006
	Hotelling's Trace	.387	.006
	Roy's Largest Root	.387	.006
stimulus * sticsa_total_centred	Pillai's Trace	.544	.003
	Wilks' Lambda	.544	.003
	Hotelling's Trace	.544	.003
	Roy's Largest Root	.544	.003
stimulus * iu_group	Pillai's Trace	.156	.015
	Wilks' Lambda	.156	.015
	Hotelling's Trace	.156	.015
	Roy's Largest Root	.156	.015
time	Pillai's Trace	.614	.002
	Wilks' Lambda	.614	.002
	Hotelling's Trace	.614	.002
	Roy's Largest Root	.614	.002
time * sticsa_total_centred	Pillai's Trace	.246	.010
	Wilks' Lambda	.246	.010

Multivariate Tests[a]

Effect		Value	F	Hypothesis df	Error df
	Hotelling's Trace	.010	1.359[b]	1.000	133.000
	Roy's Largest Root	.010	1.359[b]	1.000	133.000
time * iu_group	Pillai's Trace	.006	.803[b]	1.000	133.000
	Wilks' Lambda	.994	.803[b]	1.000	133.000
	Hotelling's Trace	.006	.803[b]	1.000	133.000
	Roy's Largest Root	.006	.803[b]	1.000	133.000
stimulus * time	Pillai's Trace	.001	.071[b]	1.000	133.000
	Wilks' Lambda	.999	.071[b]	1.000	133.000
	Hotelling's Trace	.001	.071[b]	1.000	133.000
	Roy's Largest Root	.001	.071[b]	1.000	133.000
stimulus * time * sticsa_total_centred	Pillai's Trace	.003	.421[b]	1.000	133.000
	Wilks' Lambda	.997	.421[b]	1.000	133.000
	Hotelling's Trace	.003	.421[b]	1.000	133.000
	Roy's Largest Root	.003	.421[b]	1.000	133.000
stimulus * time * iu_group	Pillai's Trace	.007	.997[b]	1.000	133.000
	Wilks' Lambda	.993	.997[b]	1.000	133.000
	Hotelling's Trace	.007	.997[b]	1.000	133.000
	Roy's Largest Root	.007	.997[b]	1.000	133.000

Multivariate Tests[a]

Effect		Sig.	Partial Eta Squared
	Hotelling's Trace	.246	.010
	Roy's Largest Root	.246	.010
time * iu_group	Pillai's Trace	.372	.006
	Wilks' Lambda	.372	.006
	Hotelling's Trace	.372	.006
	Roy's Largest Root	.372	.006
stimulus * time	Pillai's Trace	.790	.001
	Wilks' Lambda	.790	.001
	Hotelling's Trace	.790	.001
	Roy's Largest Root	.790	.001
stimulus * time * sticsa_total_centred	Pillai's Trace	.517	.003
	Wilks' Lambda	.517	.003
	Hotelling's Trace	.517	.003
	Roy's Largest Root	.517	.003
stimulus * time * iu_group	Pillai's Trace	.320	.007
	Wilks' Lambda	.320	.007
	Hotelling's Trace	.320	.007
	Roy's Largest Root	.320	.007

a. Design: Intercept + sticsa_total_centred + iu_group
Within Subjects Design: stimulus + time + stimulus * time

b. Exact statistic

Mauchly's Test of Sphericity[a]

Measure: ext_sacc_amplitude

Within Subjects Effect	Mauchly's W	Approx. Chi-Square	df	Sig.	Epsilon[b] Greenhouse-Geisser
stimulus	1.000	.000	0	.	1.000
time	1.000	.000	0	.	1.000
stimulus * time	1.000	.000	0	.	1.000

Mauchly's Test of Sphericity[a]

Measure: ext_sacc_amplitude

Within Subjects Effect	Epsilon[b] Huynh-Feldt	Lower-bound
stimulus	1.000	1.000
time	1.000	1.000
stimulus * time	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 + sticsa_total_centred + iu_group
Within Subjects Design: stimulus + time + stimulus * time

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: ext_sacc_amplitude

Source		Type III Sum of Squares	df	Mean Square	F
stimulus	Sphericity Assumed	1.211	1	1.211	.754
	Greenhouse-Geisser	1.211	1.000	1.211	.754
	Huynh-Feldt	1.211	1.000	1.211	.754
	Lower-bound	1.211	1.000	1.211	.754
stimulus * sticsa_total_centred	Sphericity Assumed	.595	1	.595	.370
	Greenhouse-Geisser	.595	1.000	.595	.370
	Huynh-Feldt	.595	1.000	.595	.370
	Lower-bound	.595	1.000	.595	.370
stimulus * iu_group	Sphericity Assumed	3.269	1	3.269	2.035
	Greenhouse-Geisser	3.269	1.000	3.269	2.035
	Huynh-Feldt	3.269	1.000	3.269	2.035
	Lower-bound	3.269	1.000	3.269	2.035
Error(stimulus)	Sphericity Assumed	213.626	133	1.606	
	Greenhouse-Geisser	213.626	133.000	1.606	
	Huynh-Feldt	213.626	133.000	1.606	
	Lower-bound	213.626	133.000	1.606	
time	Sphericity Assumed	.403	1	.403	.255
	Greenhouse-Geisser	.403	1.000	.403	.255
	Huynh-Feldt	.403	1.000	.403	.255
	Lower-bound	.403	1.000	.403	.255
time * sticsa_total_centred	Sphericity Assumed	2.152	1	2.152	1.359
	Greenhouse-Geisser	2.152	1.000	2.152	1.359
	Huynh-Feldt	2.152	1.000	2.152	1.359
	Lower-bound	2.152	1.000	2.152	1.359
time * iu_group	Sphericity Assumed	1.271	1	1.271	.803
	Greenhouse-Geisser	1.271	1.000	1.271	.803
	Huynh-Feldt	1.271	1.000	1.271	.803
	Lower-bound	1.271	1.000	1.271	.803
Error(time)	Sphericity Assumed	210.528	133	1.583	
	Greenhouse-Geisser	210.528	133.000	1.583	
	Huynh-Feldt	210.528	133.000	1.583	
	Lower-bound	210.528	133.000	1.583	
stimulus * time	Sphericity Assumed	.097	1	.097	.071
	Greenhouse-Geisser	.097	1.000	.097	.071

Tests of Within-Subjects Effects

Measure: ext_sacc_amplitude

Source		Sig.	Partial Eta Squared
stimulus	Sphericity Assumed	.387	.006
	Greenhouse-Geisser	.387	.006
	Huynh-Feldt	.387	.006
	Lower-bound	.387	.006
stimulus * sticsa_total_centred	Sphericity Assumed	.544	.003
	Greenhouse-Geisser	.544	.003
	Huynh-Feldt	.544	.003
	Lower-bound	.544	.003
stimulus * iu_group	Sphericity Assumed	.156	.015
	Greenhouse-Geisser	.156	.015
	Huynh-Feldt	.156	.015
	Lower-bound	.156	.015
Error(stimulus)	Sphericity Assumed		
	Greenhouse-Geisser		
	Huynh-Feldt		
	Lower-bound		
time	Sphericity Assumed	.614	.002
	Greenhouse-Geisser	.614	.002
	Huynh-Feldt	.614	.002
	Lower-bound	.614	.002
time * sticsa_total_centred	Sphericity Assumed	.246	.010
	Greenhouse-Geisser	.246	.010
	Huynh-Feldt	.246	.010
	Lower-bound	.246	.010
time * iu_group	Sphericity Assumed	.372	.006
	Greenhouse-Geisser	.372	.006
	Huynh-Feldt	.372	.006
	Lower-bound	.372	.006
Error(time)	Sphericity Assumed		
	Greenhouse-Geisser		
	Huynh-Feldt		
	Lower-bound		
stimulus * time	Sphericity Assumed	.790	.001
	Greenhouse-Geisser	.790	.001

Tests of Within-Subjects Effects

Measure: ext_sacc_amplitude

Source		Type III Sum of Squares	df	Mean Square	F
	Huynh-Feldt	.097	1.000	.097	.071
	Lower-bound	.097	1.000	.097	.071
stimulus * time * sticsa_total_centred	Sphericity Assumed	.574	1	.574	.421
	Greenhouse-Geisser	.574	1.000	.574	.421
	Huynh-Feldt	.574	1.000	.574	.421
	Lower-bound	.574	1.000	.574	.421
stimulus * time * iu_group	Sphericity Assumed	1.359	1	1.359	.997
	Greenhouse-Geisser	1.359	1.000	1.359	.997
	Huynh-Feldt	1.359	1.000	1.359	.997
	Lower-bound	1.359	1.000	1.359	.997
Error(stimulus*time)	Sphericity Assumed	181.246	133	1.363	
	Greenhouse-Geisser	181.246	133.000	1.363	
	Huynh-Feldt	181.246	133.000	1.363	
	Lower-bound	181.246	133.000	1.363	

Tests of Within-Subjects Effects

Measure: ext_sacc_amplitude

Source		Sig.	Partial Eta Squared
	Huynh-Feldt	.790	.001
	Lower-bound	.790	.001
stimulus * time * sticsa_total_centred	Sphericity Assumed	.517	.003
	Greenhouse-Geisser	.517	.003
	Huynh-Feldt	.517	.003
	Lower-bound	.517	.003
stimulus * time * iu_group	Sphericity Assumed	.320	.007
	Greenhouse-Geisser	.320	.007
	Huynh-Feldt	.320	.007
	Lower-bound	.320	.007
Error(stimulus*time)	Sphericity Assumed		
	Greenhouse-Geisser		
	Huynh-Feldt		
	Lower-bound		

Tests of Within-Subjects Contrasts

Measure: ext_sacc_amplitude

Source	stimulus	time	Type III Sum of Squares	df	Mean Square	F
stimulus	Linear		1.211	1	1.211	.754
stimulus * sticsa_total_centred	Linear		.595	1	.595	.370
stimulus * iu_group	Linear		3.269	1	3.269	2.035
Error(stimulus)	Linear		213.626	133	1.606	
time		Linear	.403	1	.403	.255
time * sticsa_total_centred		Linear	2.152	1	2.152	1.359
time * iu_group		Linear	1.271	1	1.271	.803
Error(time)		Linear	210.528	133	1.583	
stimulus * time	Linear	Linear	.097	1	.097	.071
stimulus * time * sticsa_total_centred	Linear	Linear	.574	1	.574	.421
stimulus * time * iu_group	Linear	Linear	1.359	1	1.359	.997
Error(stimulus*time)	Linear	Linear	181.246	133	1.363	

Tests of Within-Subjects Contrasts

Measure: ext_sacc_amplitude

Source	stimulus	time	Sig.	Partial Eta Squared
stimulus	Linear		.387	.006
stimulus * sticsa_total_centred	Linear		.544	.003
stimulus * iu_group	Linear		.156	.015
Error(stimulus)	Linear			
time		Linear	.614	.002
time * sticsa_total_centred		Linear	.246	.010
time * iu_group		Linear	.372	.006
Error(time)		Linear		
stimulus * time	Linear	Linear	.790	.001
stimulus * time * sticsa_total_centred	Linear	Linear	.517	.003
stimulus * time * iu_group	Linear	Linear	.320	.007
Error(stimulus*time)	Linear	Linear		

Tests of Between-Subjects Effects

Measure: ext_sacc_amplitude

Transformed Variable: Average

Source	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Intercept	5143.042	1	5143.042	553.428	.000	.806
sticsa_total_centred	10.536	1	10.536	1.134	.289	.008
iu_group	9.525	1	9.525	1.025	.313	.008
Error	1235.978	133	9.293			

Estimated Marginal Means

1. Grand Mean

Measure: ext_sacc_amplitude

Mean	Std. Error	95% Confidence Interval	
		Lower Bound	Upper Bound
3.077[a]	.131	2.818	3.335

a. Covariates appearing in the model are evaluated at the following values: sticsa_total_centred = .0703.

2. iu_group

Estimates

Measure: ext_sacc_amplitude

iu_group	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
low IU	2.924[a]	.198	2.533	3.315
high IU	3.229[a]	.201	2.831	3.628

a. Covariates appearing in the model are evaluated at the following values: sticsa_total_centred = .0703.

Pairwise Comparisons

Measure: ext_sacc_amplitude

(I) iu_group	(J) iu_group	Mean Difference (I-J)	Std. Error	Sig.[a]	95% Confidence Interval for Difference[a]	
					Lower Bound	Upper Bound
low IU	high IU	-.305	.302	.313	-.902	.291
high IU	low IU	.305	.302	.313	-.291	.902

Based on estimated marginal means

a. Adjustment for multiple comparisons: Bonferroni.

Univariate Tests

Measure: ext_sacc_amplitude

	Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Contrast	2.381	1	2.381	1.025	.313	.008
Error	308.994	133	2.323			

The F tests the effect of iu_group. This test is based on the linearly independent pairwise comparisons among the estimated marginal means.

3. stimulus

Estimates

Measure: ext_sacc_amplitude

stimulus	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	3.030[a]	.140	2.753	3.307
2	3.124[a]	.143	2.840	3.407

a. Covariates appearing in the model are evaluated at the following values: sticsa_total_centred = .0703.

Pairwise Comparisons

Measure: ext_sacc_amplitude

(I) stimulus	(J) stimulus	Mean Difference (I-J)	Std. Error	Sig.[a]	95% Confidence Interval for Difference[a]	
					Lower Bound	Upper Bound
1	2	-.094	.109	.390	-.309	.121
2	1	.094	.109	.390	-.121	.309

Based on estimated marginal means

a. Adjustment for multiple comparisons: Bonferroni.

Multivariate Tests

	Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
Pillai's trace	.006	.745[a]	1.000	133.000	.390	.006
Wilks' lambda	.994	.745[a]	1.000	133.000	.390	.006
Hotelling's trace	.006	.745[a]	1.000	133.000	.390	.006
Roy's largest root	.006	.745[a]	1.000	133.000	.390	.006

Each F tests the multivariate effect of stimulus. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

a. Exact statistic

4. time

Estimates

Measure: ext_sacc_amplitude

time	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	3.105[a]	.132	2.844	3.365
2	3.049[a]	.151	2.751	3.347

a. Covariates appearing in the model are evaluated at the following values: sticsa_total_centred = .0703.

Pairwise Comparisons

Measure: ext_sacc_amplitude

(I) time	(J) time	Mean Difference (I-J)	Std. Error	Sig.[a]	95% Confidence Interval for Difference[a] Lower Bound	Upper Bound
1	2	.056	.108	.607	-.158	.269
2	1	-.056	.108	.607	-.269	.158

Based on estimated marginal means

a. Adjustment for multiple comparisons: Bonferroni.

Multivariate Tests

	Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
Pillai's trace	.002	.265[a]	1.000	133.000	.607	.002
Wilks' lambda	.998	.265[a]	1.000	133.000	.607	.002
Hotelling's trace	.002	.265[a]	1.000	133.000	.607	.002
Roy's largest root	.002	.265[a]	1.000	133.000	.607	.002

Each F tests the multivariate effect of time. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

a. Exact statistic

5. iu_group * stimulus

Estimates

Measure: ext_sacc_amplitude

iu_group	stimulus	Mean	Std. Error	95% Confidence Interval Lower Bound	Upper Bound
low IU	1	2.967[a]	.212	2.547	3.386
	2	2.881[a]	.217	2.453	3.310
high IU	1	3.093[a]	.215	2.667	3.519
	2	3.366[a]	.220	2.930	3.802

a. Covariates appearing in the model are evaluated at the following values: sticsa_total_centred = .0703.

Pairwise Comparisons

Measure: ext_sacc_amplitude

stimulus	(I) iu_group	(J) iu_group	Mean Difference (I-J)	Std. Error	Sig.[a]	95% Confidence ... Lower Bound
1	low IU	high IU	-.127	.323	.696	-.765
	high IU	low IU	.127	.323	.696	-.512
2	low IU	high IU	-.484	.330	.145	-1.138
	high IU	low IU	.484	.330	.145	-.169

Pairwise Comparisons

Measure: ext_sacc_amplitude

stimulus	(I) iu_group	(J) iu_group	95% Confidence Interval for ... Upper Bound
1	low IU	high IU	.512
	high IU	low IU	.765
2	low IU	high IU	.169
	high IU	low IU	1.138

Based on estimated marginal means

a. Adjustment for multiple comparisons: Bonferroni.

Univariate Tests

Measure: ext_sacc_amplitude

stimulus		Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
1	Contrast	.408	1	.408	.153	.696	.001
	Error	354.142	133	2.663			
2	Contrast	5.989	1	5.989	2.149	.145	.016
	Error	370.660	133	2.787			

Each F tests the simple effects of iu_group within each level combination of the other effects shown. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

6. iu_group * stimulus

Estimates

Measure: ext_sacc_amplitude

iu_group	stimulus	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
low IU	1	2.967[a]	.212	2.547	3.386
	2	2.881[a]	.217	2.453	3.310
high IU	1	3.093[a]	.215	2.667	3.519
	2	3.366[a]	.220	2.930	3.802

a. Covariates appearing in the model are evaluated at the following values: sticsa_total_centred = .0703.

Pairwise Comparisons

Measure: ext_sacc_amplitude

iu_group	(I) stimulus	(J) stimulus	Mean Difference (I-J)	Std. Error	Sig.[a]	95% Confidence [a]...
						Lower Bound
low IU	1	2	.085	.165	.606	-.240
	2	1	-.085	.165	.606	-.411
high IU	1	2	-.273	.167	.106	-.604
	2	1	.273	.167	.106	-.058

Pairwise Comparisons

Measure: ext_sacc_amplitude

iu_group	(I) stimulus	(J) stimulus	95% Confidence Interval for [a]...
			Upper Bound
low IU	1	2	.411
	2	1	.240
high IU	1	2	.058
	2	1	.604

Based on estimated marginal means

a. Adjustment for multiple comparisons: Bonferroni.

Multivariate Tests

iu_group		Value	F	Hypothesis df	Error df	Sig.
low IU	Pillai's trace	.002	.267[a]	1.000	133.000	.606
	Wilks' lambda	.998	.267[a]	1.000	133.000	.606
	Hotelling's trace	.002	.267[a]	1.000	133.000	.606
	Roy's largest root	.002	.267[a]	1.000	133.000	.606
high IU	Pillai's trace	.020	2.656[a]	1.000	133.000	.106
	Wilks' lambda	.980	2.656[a]	1.000	133.000	.106
	Hotelling's trace	.020	2.656[a]	1.000	133.000	.106
	Roy's largest root	.020	2.656[a]	1.000	133.000	.106

Multivariate Tests

iu_group		Partial Eta Squared
low IU	Pillai's trace	.002
	Wilks' lambda	.002
	Hotelling's trace	.002
	Roy's largest root	.002
high IU	Pillai's trace	.020
	Wilks' lambda	.020
	Hotelling's trace	.020
	Roy's largest root	.020

Each F tests the multivariate simple effects of stimulus within each level combination of the other effects shown. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

a. Exact statistic

7. iu_group * time

Estimates

Measure: ext_sacc_amplitude

iu_group	time	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
low IU	1	3.008[a]	.199	2.614	3.401
	2	2.840[a]	.228	2.389	3.292
high IU	1	3.201[a]	.203	2.801	3.602
	2	3.257[a]	.232	2.799	3.716

a. Covariates appearing in the model are evaluated at the following values: sticsa_total_centred = .0703.

Pairwise Comparisons

Measure: ext_sacc_amplitude

time	(I) iu_group	(J) iu_group	Mean Difference (I-J)	Std. Error	Sig.[a]	95% Confidence [a]...
						Lower Bound
1	low IU	high IU	-.194	.304	.524	-.794
	high IU	low IU	.194	.304	.524	-.407
2	low IU	high IU	-.417	.348	.233	-1.105
	high IU	low IU	.417	.348	.233	-.271

Pairwise Comparisons

Measure: ext_sacc_amplitude

time	(I) iu_group	(J) iu_group	95% Confidence Interval for [a]...
			Upper Bound
1	low IU	high IU	.407
	high IU	low IU	.794
2	low IU	high IU	.271
	high IU	low IU	1.105

Based on estimated marginal means

a. Adjustment for multiple comparisons: Bonferroni.

Univariate Tests

Measure: ext_sacc_amplitude

time		Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
1	Contrast	.959	1	.959	.408	.524	.003
	Error	312.799	133	2.352			
2	Contrast	4.439	1	4.439	1.438	.233	.011
	Error	410.454	133	3.086			

Each F tests the simple effects of iu_group within each level combination of the other effects shown. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

8. iu_group * time

Estimates

Measure: ext_sacc_amplitude

iu_group	time	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
low IU	1	3.008[a]	.199	2.614	3.401
	2	2.840[a]	.228	2.389	3.292
high IU	1	3.201[a]	.203	2.801	3.602
	2	3.257[a]	.232	2.799	3.716

a. Covariates appearing in the model are evaluated at the following values: sticsa_total_centred = .0703.

Pairwise Comparisons

Measure: ext_sacc_amplitude

iu_group	(I) time	(J) time	Mean Difference (I-J)	Std. Error	Sig.[a]	95% Confidence Interval for Difference[a]	
						Lower Bound	Upper Bound
low IU	1	2	.167	.163	.308	-.156	.490
	2	1	-.167	.163	.308	-.490	.156
high IU	1	2	-.056	.166	.737	-.385	.273
	2	1	.056	.166	.737	-.273	.385

Based on estimated marginal means

a. Adjustment for multiple comparisons: Bonferroni.

Multivariate Tests

iu_group		Value	F	Hypothesis df	Error df	Sig.
low IU	Pillai's trace	.008	1.046[a]	1.000	133.000	.308
	Wilks' lambda	.992	1.046[a]	1.000	133.000	.308
	Hotelling's trace	.008	1.046[a]	1.000	133.000	.308
	Roy's largest root	.008	1.046[a]	1.000	133.000	.308
high IU	Pillai's trace	.001	.114[a]	1.000	133.000	.737
	Wilks' lambda	.999	.114[a]	1.000	133.000	.737
	Hotelling's trace	.001	.114[a]	1.000	133.000	.737
	Roy's largest root	.001	.114[a]	1.000	133.000	.737

Multivariate Tests

iu_group		Partial Eta Squared
low IU	Pillai's trace	.008
	Wilks' lambda	.008
	Hotelling's trace	.008
	Roy's largest root	.008
high IU	Pillai's trace	.001
	Wilks' lambda	.001
	Hotelling's trace	.001
	Roy's largest root	.001

Each F tests the multivariate simple effects of time within each level combination of the other effects shown. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

a. Exact statistic

9. stimulus * time

Estimates

Measure: ext_sacc_amplitude

stimulus	time	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
1	1	3.071[a]	.154	2.766	3.377
	2	2.988[a]	.165	2.661	3.315
2	1	3.138[a]	.147	2.846	3.429
	2	3.109[a]	.170	2.773	3.446

a. Covariates appearing in the model are evaluated at the following values: sticsa_total_centred = .0703.

Pairwise Comparisons

Measure: ext_sacc_amplitude

time	(I) stimulus	(J) stimulus	Mean Difference (I-J)	Std. Error	Sig.[a]	95% Confidence [a]...
						Lower Bound
1	1	2	-.067	.148	.654	-.359
	2	1	.067	.148	.654	-.226
2	1	2	-.121	.147	.413	-.413
	2	1	.121	.147	.413	-.171

Pairwise Comparisons

Measure: ext_sacc_amplitude

time	(I) stimulus	(J) stimulus	95% Confidence Interval for [a]...
			Upper Bound
1	1	2	.226
	2	1	.359
2	1	2	.171
	2	1	.413

Based on estimated marginal means

a. Adjustment for multiple comparisons: Bonferroni.

Multivariate Tests

time		Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
1	Pillai's trace	.002	.202[a]	1.000	133.000	.654	.002
	Wilks' lambda	.998	.202[a]	1.000	133.000	.654	.002
	Hotelling's trace	.002	.202[a]	1.000	133.000	.654	.002
	Roy's largest root	.002	.202[a]	1.000	133.000	.654	.002
2	Pillai's trace	.005	.674[a]	1.000	133.000	.413	.005
	Wilks' lambda	.995	.674[a]	1.000	133.000	.413	.005
	Hotelling's trace	.005	.674[a]	1.000	133.000	.413	.005
	Roy's largest root	.005	.674[a]	1.000	133.000	.413	.005

Each F tests the multivariate simple effects of stimulus within each level combination of the other effects shown. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

a. Exact statistic

10. stimulus * time

Estimates

Measure: ext_sacc_amplitude

				95% Confidence Interval	
stimulus	time	Mean	Std. Error	Lower Bound	Upper Bound
1	1	3.071[a]	.154	2.766	3.377
	2	2.988[a]	.165	2.661	3.315
2	1	3.138[a]	.147	2.846	3.429
	2	3.109[a]	.170	2.773	3.446

a. Covariates appearing in the model are evaluated at the following values: sticsa_total_centred = .0703.

Pairwise Comparisons

Measure: ext_sacc_amplitude

stimulus	(I) time	(J) time	Mean Difference (I-J)	Std. Error	Sig.[a]	95% Confidence Interval for Difference[a]	
						Lower Bound	Upper Bound
1	1	2	.083	.155	.594	-.224	.389
	2	1	-.083	.155	.594	-.389	.224
2	1	2	.028	.139	.839	-.246	.303
	2	1	-.028	.139	.839	-.303	.246

Based on estimated marginal means

a. Adjustment for multiple comparisons: Bonferroni.

Multivariate Tests

stimulus		Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
1	Pillai's trace	.002	.285[a]	1.000	133.000	.594	.002
	Wilks' lambda	.998	.285[a]	1.000	133.000	.594	.002
	Hotelling's trace	.002	.285[a]	1.000	133.000	.594	.002
	Roy's largest root	.002	.285[a]	1.000	133.000	.594	.002
2	Pillai's trace	.000	.042[a]	1.000	133.000	.839	.000
	Wilks' lambda	1.000	.042[a]	1.000	133.000	.839	.000
	Hotelling's trace	.000	.042[a]	1.000	133.000	.839	.000
	Roy's largest root	.000	.042[a]	1.000	133.000	.839	.000

Each F tests the multivariate simple effects of time within each level combination of the other effects shown. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

a. Exact statistic

11. iu_group * stimulus * time

Estimates

Measure: ext_sacc_amplitude

iu_group	stimulus	time	Mean	Std. Error	95% Confidence Interval	
					Lower Bound	Upper Bound
low IU	1	1	3.121[a]	.234	2.659	3.584
		2	2.812[a]	.250	2.317	3.307
	2	1	2.894[a]	.223	2.453	3.335
		2	2.869[a]	.258	2.360	3.379
high IU	1	1	3.021[a]	.238	2.551	3.491
		2	3.165[a]	.255	2.662	3.669
	2	1	3.382[a]	.227	2.933	3.830
		2	3.350[a]	.262	2.832	3.868

a. Covariates appearing in the model are evaluated at the following values: sticsa_total_centred = .0703.

Pairwise Comparisons

Measure: ext_sacc_amplitude

stimulus	time	(I) iu_group	(J) iu_group	Mean Difference (I-J)	Std. Error	Sig.[a]	95% Confidence [a]...
							Lower Bound
1	1	low IU	high IU	.100	.357	.779	-.605
		high IU	low IU	-.100	.357	.779	-.806
	2	low IU	high IU	-.353	.382	.356	-1.108
		high IU	low IU	.353	.382	.356	-.401
2	1	low IU	high IU	-.488	.340	.153	-1.161
		high IU	low IU	.488	.340	.153	-.184
	2	low IU	high IU	-.481	.393	.223	-1.257
		high IU	low IU	.481	.393	.223	-.296

Pairwise Comparisons

Measure: ext_sacc_amplitude

stimulus	time	(I) iu_group	(J) iu_group	95% Confidence Interval for [a]... Upper Bound
1	1	low IU	high IU	.806
		high IU	low IU	.605
	2	low IU	high IU	.401
		high IU	low IU	1.108
2	1	low IU	high IU	.184
		high IU	low IU	1.161
	2	low IU	high IU	.296
		high IU	low IU	1.257

Based on estimated marginal means

a. Adjustment for multiple comparisons: Bonferroni.

Univariate Tests

Measure: ext_sacc_amplitude

stimulus	time		Sum of Squares	df	Mean Square	F	Sig.
1	1	Contrast	.257	1	.257	.079	.779
		Error	431.519	133	3.245		
	2	Contrast	3.189	1	3.189	.858	.356
		Error	494.139	133	3.715		
2	1	Contrast	6.083	1	6.083	2.062	.153
		Error	392.298	133	2.950		
	2	Contrast	5.895	1	5.895	1.498	.223
		Error	523.422	133	3.936		

Univariate Tests

Measure: ext_sacc_amplitude

stimulus	time		Partial Eta Squared
1	1	Contrast	.001
		Error	
	2	Contrast	.006
		Error	
2	1	Contrast	.015
		Error	
	2	Contrast	.011
		Error	

Each F tests the simple effects of iu_group within each level combination of the other effects shown. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

12. iu_group * stimulus * time

Estimates

Measure: ext_sacc_amplitude

iu_group	stimulus	time	Mean	Std. Error	95% Confidence Interval	
					Lower Bound	Upper Bound
low IU	1	1	3.121[a]	.234	2.659	3.584
		2	2.812[a]	.250	2.317	3.307
	2	1	2.894[a]	.223	2.453	3.335
		2	2.869[a]	.258	2.360	3.379
high IU	1	1	3.021[a]	.238	2.551	3.491
		2	3.165[a]	.255	2.662	3.669
	2	1	3.382[a]	.227	2.933	3.830
		2	3.350[a]	.262	2.832	3.868

a. Covariates appearing in the model are evaluated at the following values: sticsa_total_centred = .0703.

Pairwise Comparisons

Measure: ext_sacc_amplitude

iu_group	time	(I) stimulus	(J) stimulus	Mean Difference (I-J)	Std. Error	Sig.[a]	95% Confidence ... Lower Bound
low IU	1	1	2	.228	.224	.312	-.216
		2	1	-.228	.224	.312	-.671
	2	1	2	-.057	.223	.797	-.499
		2	1	.057	.223	.797	-.384
high IU	1	1	2	-.361	.228	.116	-.812
		2	1	.361	.228	.116	-.090
	2	1	2	-.185	.227	.418	-.634
		2	1	.185	.227	.418	-.265

Pairwise Comparisons

Measure: ext_sacc_amplitude

iu_group	time	(I) stimulus	(J) stimulus	95% Confidence Interval for ... Upper Bound
low IU	1	1	2	.671
		2	1	.216
	2	1	2	.384
		2	1	.499
high IU	1	1	2	.090
		2	1	.812
	2	1	2	.265
		2	1	.634

Based on estimated marginal means

a. Adjustment for multiple comparisons: Bonferroni.

Multivariate Tests

iu_group	time		Value	F	Hypothesis df	Error df	Sig.
low IU	1	Pillai's trace	.008	1.031[a]	1.000	133.000	.312
		Wilks' lambda	.992	1.031[a]	1.000	133.000	.312
		Hotelling's trace	.008	1.031[a]	1.000	133.000	.312
		Roy's largest root	.008	1.031[a]	1.000	133.000	.312
	2	Pillai's trace	.000	.066[a]	1.000	133.000	.797
		Wilks' lambda	1.000	.066[a]	1.000	133.000	.797
		Hotelling's trace	.000	.066[a]	1.000	133.000	.797
		Roy's largest root	.000	.066[a]	1.000	133.000	.797
high IU	1	Pillai's trace	.018	2.506[a]	1.000	133.000	.116
		Wilks' lambda	.982	2.506[a]	1.000	133.000	.116
		Hotelling's trace	.019	2.506[a]	1.000	133.000	.116
		Roy's largest root	.019	2.506[a]	1.000	133.000	.116
	2	Pillai's trace	.005	.661[a]	1.000	133.000	.418
		Wilks' lambda	.995	.661[a]	1.000	133.000	.418
		Hotelling's trace	.005	.661[a]	1.000	133.000	.418
		Roy's largest root	.005	.661[a]	1.000	133.000	.418

Multivariate Tests

iu_group	time		Partial Eta Squared
low IU	1	Pillai's trace	.008
		Wilks' lambda	.008
		Hotelling's trace	.008
		Roy's largest root	.008
	2	Pillai's trace	.000
		Wilks' lambda	.000
		Hotelling's trace	.000
		Roy's largest root	.000
high IU	1	Pillai's trace	.018
		Wilks' lambda	.018
		Hotelling's trace	.018
		Roy's largest root	.018
	2	Pillai's trace	.005
		Wilks' lambda	.005
		Hotelling's trace	.005
		Roy's largest root	.005

Each F tests the multivariate simple effects of stimulus within each level combination of the other effects shown. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

a. Exact statistic

13. iu_group * stimulus * time

Estimates

Measure: ext_sacc_amplitude

iu_group	stimulus	time	Mean	Std. Error	95% Confidence Interval	
					Lower Bound	Upper Bound
low IU	1	1	3.121[a]	.234	2.659	3.584
		2	2.812[a]	.250	2.317	3.307
	2	1	2.894[a]	.223	2.453	3.335
		2	2.869[a]	.258	2.360	3.379
high IU	1	1	3.021[a]	.238	2.551	3.491
		2	3.165[a]	.255	2.662	3.669
	2	1	3.382[a]	.227	2.933	3.830
		2	3.350[a]	.262	2.832	3.868

a. Covariates appearing in the model are evaluated at the following values: sticsa_total_centred = .0703.

Pairwise Comparisons

Measure: ext_sacc_amplitude

iu_group	stimulus	(I) time	(J) time	Mean Difference (I-J)	Std. Error	Sig.[a]	95% Confidence [a]...
							Lower Bound
low IU	1	1	2	.310	.235	.189	-.155
		2	1	-.310	.235	.189	-.774
	2	1	2	.025	.210	.907	-.391
		2	1	-.025	.210	.907	-.440
high IU	1	1	2	-.144	.239	.547	-.616
		2	1	.144	.239	.547	-.328
	2	1	2	.032	.214	.881	-.391
		2	1	-.032	.214	.881	-.455

Pairwise Comparisons

Measure: ext_sacc_amplitude

iu_group	stimulus	(I) time	(J) time	95% Confidence Interval for [a]... Upper Bound
low IU	1	1	2	.774
		2	1	.155
	2	1	2	.440
		2	1	.391
high IU	1	1	2	.328
		2	1	.616
	2	1	2	.455
		2	1	.391

Based on estimated marginal means

a. Adjustment for multiple comparisons: Bonferroni.

Multivariate Tests

iu_group	stimulus		Value	F	Hypothesis df	Error df	Sig.
low IU	1	Pillai's trace	.013	1.740[a]	1.000	133.000	.189
		Wilks' lambda	.987	1.740[a]	1.000	133.000	.189
		Hotelling's trace	.013	1.740[a]	1.000	133.000	.189
		Roy's largest root	.013	1.740[a]	1.000	133.000	.189
	2	Pillai's trace	.000	.014[a]	1.000	133.000	.907
		Wilks' lambda	1.000	.014[a]	1.000	133.000	.907
		Hotelling's trace	.000	.014[a]	1.000	133.000	.907
		Roy's largest root	.000	.014[a]	1.000	133.000	.907
high IU	1	Pillai's trace	.003	.364[a]	1.000	133.000	.547
		Wilks' lambda	.997	.364[a]	1.000	133.000	.547
		Hotelling's trace	.003	.364[a]	1.000	133.000	.547
		Roy's largest root	.003	.364[a]	1.000	133.000	.547
	2	Pillai's trace	.000	.023[a]	1.000	133.000	.881
		Wilks' lambda	1.000	.023[a]	1.000	133.000	.881
		Hotelling's trace	.000	.023[a]	1.000	133.000	.881
		Roy's largest root	.000	.023[a]	1.000	133.000	.881

Multivariate Tests

iu_group	stimulus		Partial Eta Squared
low IU	1	Pillai's trace	.013
		Wilks' lambda	.013
		Hotelling's trace	.013
		Roy's largest root	.013
	2	Pillai's trace	.000
		Wilks' lambda	.000
		Hotelling's trace	.000
		Roy's largest root	.000
high IU	1	Pillai's trace	.003
		Wilks' lambda	.003
		Hotelling's trace	.003
		Roy's largest root	.003
	2	Pillai's trace	.000
		Wilks' lambda	.000
		Hotelling's trace	.000
		Roy's largest root	.000

Each F tests the multivariate simple effects of time within each level combination of the other effects shown. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

a. Exact statistic