

```

GLM acq_csp_fix_countacq_csm_fix_countBY IU_group
/WSFACTOR=stimulus 2 Polynomial
/METHOD=SSTYPE(3)
/POSTHOC=IU_group(LSD)
/EMMEANS=TABLES(OVERALL)
/EMMEANS=TABLES(IU_group) COMPARE ADJ(LSD)
/EMMEANS=TABLES(stimulus) COMPARE ADJ(LSD)
/EMMEANS=TABLES(IU_group*stimulus) COMPARE (IU_group) ADJ(BONFERRONI)
/EMMEANS=TABLES(IU_group*stimulus) COMPARE (stimulus) ADJ (BONFERRONI)
/PRINT=DESCRIPTIVE ETASQ
/CRITERIA=ALPHA(.05)
/DESIGN= IU_group.

```

General Linear Model

Notes

Output Created		25-AUG-2021 15:54:58
Comments		
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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_count acq_csm_fix_count BY IU_group /WSFACTOR=stimulus 2 Polynomial /METHOD=SSTYPE(3) /POSTHOC=IU_group (LSD) /EMMEANS=TABLES (OVERALL) /EMMEANS=TABLES (IU_group) COMPARE ADJ(LSD) /EMMEANS=TABLES (stimulus) COMPARE ADJ (LSD) /EMMEANS=TABLES (IU_group*stimulus) COMPARE (IU_group) ADJ(BONFERRONI) /EMMEANS=TABLES (IU_group*stimulus) COMPARE (stimulus) ADJ (BONFERRONI) /PRINT=DESCRIPTIVE ETASQ /CRITERIA=ALPHA(.05) /DESIGN= IU_group.				
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Processor Time	00:00:00.02				
Elapsed Time	00:00:00.11				

Warnings

Post hoc tests are not performed for iu_group because there are fewer than three groups.

Within-Subjects Factors

Measure: MEASURE_1

stimulus	Dependent Variable
1	acq_csp_fix_c ount
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	Sig.
stimulus	Pillai's Trace	.077	11.441 ^b	1.000	137.000	.001
	Wilks' Lambda	.923	11.441 ^b	1.000	137.000	.001
	Hotelling's Trace	.084	11.441 ^b	1.000	137.000	.001
	Roy's Largest Root	.084	11.441 ^b	1.000	137.000	.001
stimulus * iu_group	Pillai's Trace	.002	.258 ^b	1.000	137.000	.613
	Wilks' Lambda	.998	.258 ^b	1.000	137.000	.613
	Hotelling's Trace	.002	.258 ^b	1.000	137.000	.613
	Roy's Largest Root	.002	.258 ^b	1.000	137.000	.613

Multivariate Tests^a

Effect		Partial Eta Squared
stimulus	Pillai's Trace	.077
	Wilks' Lambda	.077
	Hotelling's Trace	.077
	Roy's Largest Root	.077
stimulus * iu_group	Pillai's Trace	.002
	Wilks' Lambda	.002
	Hotelling's Trace	.002
	Roy's Largest Root	.002

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

b. Exact statistic

Mauchly's Test of Sphericity^a

Measure: MEASURE_1

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

Mauchly's Test of Sphericity^a

Measure: MEASURE_1

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 + 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: MEASURE_1

Source		Type III Sum of Squares	df	Mean Square	F
stimulus	Sphericity Assumed	11.223	1	11.223	11.441
	Greenhouse-Geisser	11.223	1.000	11.223	11.441
	Huynh-Feldt	11.223	1.000	11.223	11.441
	Lower-bound	11.223	1.000	11.223	11.441
stimulus * iu_group	Sphericity Assumed	.253	1	.253	.258
	Greenhouse-Geisser	.253	1.000	.253	.258
	Huynh-Feldt	.253	1.000	.253	.258
	Lower-bound	.253	1.000	.253	.258
Error(stimulus)	Sphericity Assumed	134.380	137	.981	
	Greenhouse-Geisser	134.380	137.000	.981	
	Huynh-Feldt	134.380	137.000	.981	
	Lower-bound	134.380	137.000	.981	

Tests of Within-Subjects Effects

Measure: MEASURE_1

Source		Sig.	Partial Eta Squared
stimulus	Sphericity Assumed	.001	.077
	Greenhouse-Geisser	.001	.077
	Huynh-Feldt	.001	.077
	Lower-bound	.001	.077
stimulus * iu_group	Sphericity Assumed	.613	.002
	Greenhouse-Geisser	.613	.002
	Huynh-Feldt	.613	.002
	Lower-bound	.613	.002
Error(stimulus)	Sphericity Assumed		
	Greenhouse-Geisser		
	Huynh-Feldt		
	Lower-bound		

Tests of Within-Subjects Contrasts

Measure: MEASURE_1

Source	stimulus	Type III Sum of Squares	df	Mean Square	F	Sig.
stimulus	Linear	11.223	1	11.223	11.441	.001
stimulus * iu_group	Linear	.253	1	.253	.258	.613
Error(stimulus)	Linear	134.380	137	.981		

Tests of Within-Subjects Contrasts

Measure: MEASURE_1

Source	stimulus	Partial Eta Squared
stimulus	Linear	.077
stimulus * iu_group	Linear	.002
Error(stimulus)	Linear	

Tests of Between-Subjects Effects

Measure: MEASURE_1

Transformed Variable: Average

Source	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Intercept	14080.599	1	14080.599	631.640	.000	.822
iu_group	107.140	1	107.140	4.806	.030	.034
Error	3054.020	137	22.292			

Estimated Marginal Means

1. Grand Mean

Measure: MEASURE_1

Mean	Std. Error	95% Confidence Interval	
		Lower Bound	Upper Bound
7.119	.283	6.558	7.679

2. iu_group

Estimates

Measure: MEASURE_1

iu_group	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
low IU	6.498	.396	5.714	7.281
high IU	7.739	.405	6.939	8.540

Pairwise Comparisons

Measure: MEASURE_1

(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	-1.242 [*]	.566	.030	-2.362	-.122
high IU	low IU	1.242 [*]	.566	.030	.122	2.362

Based on estimated marginal means

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

b. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

Univariate Tests

Measure: MEASURE_1

	Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Contrast	53.570	1	53.570	4.806	.030	.034
Error	1527.010	137	11.146			

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: MEASURE_1

stimulus	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	6.918	.307	6.311	7.524
2	7.319	.271	6.784	7.855

Pairwise Comparisons

Measure: MEASURE_1

(I) stimulus	(J) stimulus	Mean Difference (I-J)	Std. Error	Sig. ^b	95% Confidence Interval for Difference ^b	
					Lower Bound	Upper Bound
1	2	-.402 [*]	.119	.001	-.637	-.167
2	1	.402 [*]	.119	.001	.167	.637

Based on estimated marginal means

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

b. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

Multivariate Tests

	Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
Pillai's trace	.077	11.441 ^a	1.000	137.000	.001	.077
Wilks' lambda	.923	11.441 ^a	1.000	137.000	.001	.077
Hotelling's trace	.084	11.441 ^a	1.000	137.000	.001	.077
Roy's largest root	.084	11.441 ^a	1.000	137.000	.001	.077

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: MEASURE_1

iu_group	stimulus	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
low IU	1	6.327	.429	5.478	7.175
	2	6.668	.379	5.919	7.418
high IU	1	7.508	.438	6.641	8.375
	2	7.971	.387	7.205	8.737

Pairwise Comparisons

Measure: MEASURE_1

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	-1.182	.613	.056	-2.395
	high IU	low IU	1.182	.613	.056	-.031
2	low IU	high IU	-1.302 [*]	.542	.018	-2.374
	high IU	low IU	1.302 [*]	.542	.018	.230

Pairwise Comparisons

Measure: MEASURE_1

stimulus	(I) iu_group	(J) iu_group	95% Confidence Interval for b...
			Upper Bound
1	low IU	high IU	.031
	high IU	low IU	2.395
2	low IU	high IU	-.230
	high IU	low IU	2.374

Based on estimated marginal means

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

b. Adjustment for multiple comparisons: Bonferroni.

Univariate Tests

Measure: MEASURE_1

stimulus		Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
1	Contrast	48.492	1	48.492	3.710	.056	.026
	Error	1790.542	137	13.070			
2	Contrast	58.900	1	58.900	5.773	.018	.040
	Error	1397.858	137	10.203			

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: MEASURE_1

iu_group	stimulus	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
low IU	1	6.327	.429	5.478	7.175
	2	6.668	.379	5.919	7.418
high IU	1	7.508	.438	6.641	8.375
	2	7.971	.387	7.205	8.737

Pairwise Comparisons

Measure: MEASURE_1

iu_group	(I) stimulus	(J) stimulus	Mean Difference (I-J)	Std. Error	Sig. ^b	95% Confidence Interval
						Lower Bound
low IU	1	2	-.342 [*]	.166	.042	-.670
	2	1	.342 [*]	.166	.042	.013
high IU	1	2	-.462 [*]	.170	.007	-.798
	2	1	.462 [*]	.170	.007	.126

Pairwise Comparisons

Measure: MEASURE_1

iu_group	(I) stimulus	(J) stimulus	95% Confidence Interval for ...
			Upper Bound
low IU	1	2	-.013
	2	1	.670
high IU	1	2	-.126
	2	1	.798

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	.030	4.224 ^a	1.000	137.000	.042
	Wilks' lambda	.970	4.224 ^a	1.000	137.000	.042
	Hotelling's trace	.031	4.224 ^a	1.000	137.000	.042
	Roy's largest root	.031	4.224 ^a	1.000	137.000	.042
high IU	Pillai's trace	.051	7.407 ^a	1.000	137.000	.007
	Wilks' lambda	.949	7.407 ^a	1.000	137.000	.007
	Hotelling's trace	.054	7.407 ^a	1.000	137.000	.007
	Roy's largest root	.054	7.407 ^a	1.000	137.000	.007

Multivariate Tests

iu_group		Partial Eta Squared
low IU	Pillai's trace	.030
	Wilks' lambda	.030
	Hotelling's trace	.030
	Roy's largest root	.030
high IU	Pillai's trace	.051
	Wilks' lambda	.051
	Hotelling's trace	.051
	Roy's largest root	.051

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
/WSFACTOR=stimulus 2 Polynomial
/METHOD=SSTYPE(3)
/POSTHOC=IU_group(LSD)
/EMMEANS=TABLES(OVERALL)
/EMMEANS=TABLES(IU_group) COMPARE ADJ(LSD)
/EMMEANS=TABLES(stimulus) COMPARE ADJ(LSD)
/EMMEANS=TABLES(IU_group*stimulus) COMPARE (IU_group) ADJ(BONFERRONI)
/EMMEANS=TABLES(IU_group*stimulus) COMPARE (stimulus) ADJ (BONFERRONI)
```

```

/PRINT=DESCRIPTIVE ETASQ
/CRITERIA=ALPHA(.05)
/DESIGN= IU_group.

```

General Linear Model

Notes

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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 /WSFACTOR=stimulus 2 Polynomial /METHOD=SSTYPE(3) /POSTHOC=IU_group (LSD) /EMMEANS=TABLES (OVERALL) /EMMEANS=TABLES (IU_group) COMPARE ADJ(LSD) /EMMEANS=TABLES (stimulus) COMPARE ADJ (LSD) /EMMEANS=TABLES (IU_group*stimulus) COMPARE (IU_group) ADJ(BONFERRONI) /EMMEANS=TABLES (IU_group*stimulus) COMPARE (stimulus) ADJ (BONFERRONI) /PRINT=DESCRIPTIVE ETASQ /CRITERIA=ALPHA(.05) /DESIGN= IU_group.	
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.11

Warnings

Post hoc tests are not performed for iu_group because there are fewer than three groups.

Within-Subjects Factors

Measure: MEASURE_1

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	Sig.
stimulus	Pillai's Trace	.037	5.272 ^b	1.000	137.000	.023
	Wilks' Lambda	.963	5.272 ^b	1.000	137.000	.023
	Hotelling's Trace	.038	5.272 ^b	1.000	137.000	.023
	Roy's Largest Root	.038	5.272 ^b	1.000	137.000	.023
stimulus * iu_group	Pillai's Trace	.005	.673 ^b	1.000	137.000	.413
	Wilks' Lambda	.995	.673 ^b	1.000	137.000	.413
	Hotelling's Trace	.005	.673 ^b	1.000	137.000	.413
	Roy's Largest Root	.005	.673 ^b	1.000	137.000	.413

Multivariate Tests^a

Effect		Partial Eta Squared
stimulus	Pillai's Trace	.037
	Wilks' Lambda	.037
	Hotelling's Trace	.037
	Roy's Largest Root	.037
stimulus * iu_group	Pillai's Trace	.005
	Wilks' Lambda	.005
	Hotelling's Trace	.005
	Roy's Largest Root	.005

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

b. Exact statistic

Mauchly's Test of Sphericity^a

Measure: MEASURE_1

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

Mauchly's Test of Sphericity^a

Measure: MEASURE_1

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 + 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: MEASURE_1

Source		Type III Sum of Squares	df	Mean Square	F
stimulus	Sphericity Assumed	841125.785	1	841125.785	5.272
	Greenhouse-Geisser	841125.785	1.000	841125.785	5.272
	Huynh-Feldt	841125.785	1.000	841125.785	5.272
	Lower-bound	841125.785	1.000	841125.785	5.272
stimulus * iu_group	Sphericity Assumed	107452.651	1	107452.651	.673
	Greenhouse-Geisser	107452.651	1.000	107452.651	.673
	Huynh-Feldt	107452.651	1.000	107452.651	.673
	Lower-bound	107452.651	1.000	107452.651	.673
Error(stimulus)	Sphericity Assumed	21858180.83	137	159548.765	
	Greenhouse-Geisser	21858180.83	137.000	159548.765	
	Huynh-Feldt	21858180.83	137.000	159548.765	
	Lower-bound	21858180.83	137.000	159548.765	

Tests of Within-Subjects Effects

Measure: MEASURE_1

Source		Sig.	Partial Eta Squared
stimulus	Sphericity Assumed	.023	.037
	Greenhouse-Geisser	.023	.037
	Huynh-Feldt	.023	.037
	Lower-bound	.023	.037
stimulus * iu_group	Sphericity Assumed	.413	.005
	Greenhouse-Geisser	.413	.005
	Huynh-Feldt	.413	.005
	Lower-bound	.413	.005
Error(stimulus)	Sphericity Assumed		
	Greenhouse-Geisser		
	Huynh-Feldt		
	Lower-bound		

Tests of Within-Subjects Contrasts

Measure: MEASURE_1

Source	stimulus	Type III Sum of Squares	df	Mean Square	F	Sig.
stimulus	Linear	841125.785	1	841125.785	5.272	.023
stimulus * iu_group	Linear	107452.651	1	107452.651	.673	.413
Error(stimulus)	Linear	21858180.83	137	159548.765		

Tests of Within-Subjects Contrasts

Measure: MEASURE_1

Source	stimulus	Partial Eta Squared
stimulus	Linear	.037
stimulus * iu_group	Linear	.005
Error(stimulus)	Linear	

Tests of Between-Subjects Effects

Measure: MEASURE_1

Transformed Variable: Average

Source	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Intercept	434900671.0	1	434900671.0	191.301	.000	.583
iu_group	8267676.268	1	8267676.268	3.637	.059	.026
Error	311454285.8	137	2273388.948			

Estimated Marginal Means

1. Grand Mean

Measure: MEASURE_1

Mean	Std. Error	95% Confidence Interval	
		Lower Bound	Upper Bound
1251.048	90.451	1072.186	1429.909

2. iu_group

Estimates

Measure: MEASURE_1

iu_group	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
low IU	1423.540	126.530	1173.336	1673.744
high IU	1078.555	129.291	822.891	1334.218

Pairwise Comparisons

Measure: MEASURE_1

(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	344.985	180.903	.059	-12.738	702.708
high IU	low IU	-344.985	180.903	.059	-702.708	12.738

Based on estimated marginal means

a. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

Univariate Tests

Measure: MEASURE_1

	Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Contrast	4133838.134	1	4133838.134	3.637	.059	.026
Error	155727142.9	137	1136694.474			

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: MEASURE_1

stimulus	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	1306.066	99.024	1110.253	1501.879
2	1196.029	87.781	1022.448	1369.610

Pairwise Comparisons

Measure: MEASURE_1

(I) stimulus	(J) stimulus	Mean Difference (I-J)	Std. Error	Sig. ^b	95% Confidence Interval for Difference ^b	
					Lower Bound	Upper Bound
1	2	110.037 [*]	47.924	.023	15.270	204.804
2	1	-110.037 [*]	47.924	.023	-204.804	-15.270

Based on estimated marginal means

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

b. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

Multivariate Tests

	Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
Pillai's trace	.037	5.272 ^a	1.000	137.000	.023	.037
Wilks' lambda	.963	5.272 ^a	1.000	137.000	.023	.037
Hotelling's trace	.038	5.272 ^a	1.000	137.000	.023	.037
Roy's largest root	.038	5.272 ^a	1.000	137.000	.023	.037

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: MEASURE_1

iu_group	stimulus	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
low IU	1	1458.894	138.522	1184.977	1732.811
	2	1388.186	122.794	1145.369	1631.004
high IU	1	1153.238	141.544	873.344	1433.132
	2	1003.872	125.474	755.756	1251.988

Pairwise Comparisons

Measure: MEASURE_1

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	305.656	198.048	.125	-85.971
	high IU	low IU	-305.656	198.048	.125	-697.282
2	low IU	high IU	384.315 [*]	175.563	.030	37.152
	high IU	low IU	-384.315 [*]	175.563	.030	-731.477

Pairwise Comparisons

Measure: MEASURE_1

stimulus	(I) iu_group	(J) iu_group	95% Confidence Interval for b..
			Upper Bound
1	low IU	high IU	697.282
	high IU	low IU	85.971
2	low IU	high IU	731.477
	high IU	low IU	-37.152

Based on estimated marginal means

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

b. Adjustment for multiple comparisons: Bonferroni.

Univariate Tests

Measure: MEASURE_1

stimulus		Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
1	Contrast	3245023.354	1	3245023.354	2.382	.125	.017
	Error	186644028.4	137	1362365.170			
2	Contrast	5130105.565	1	5130105.565	4.792	.030	.034
	Error	146668438.3	137	1070572.542			

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: MEASURE_1

iu_group	stimulus	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
low IU	1	1458.894	138.522	1184.977	1732.811
	2	1388.186	122.794	1145.369	1631.004
high IU	1	1153.238	141.544	873.344	1433.132
	2	1003.872	125.474	755.756	1251.988

Pairwise Comparisons

Measure: MEASURE_1

iu_group	(I) stimulus	(J) stimulus	Mean Difference (I-J)	Std. Error	Sig. ^b	95% Confidence Interval
						Lower Bound
low IU	1	2	70.708	67.040	.293	-61.859
	2	1	-70.708	67.040	.293	-203.274
high IU	1	2	149.367 [*]	68.503	.031	13.907
	2	1	-149.367 [*]	68.503	.031	-284.826

Pairwise Comparisons

Measure: MEASURE_1

iu_group	(I) stimulus	(J) stimulus	95% Confidence Interval for ^b ...
			Upper Bound
low IU	1	2	203.274
	2	1	61.859
high IU	1	2	284.826
	2	1	-13.907

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	.008	1.112 ^a	1.000	137.000	.293
	Wilks' lambda	.992	1.112 ^a	1.000	137.000	.293
	Hotelling's trace	.008	1.112 ^a	1.000	137.000	.293
	Roy's largest root	.008	1.112 ^a	1.000	137.000	.293
high IU	Pillai's trace	.034	4.754 ^a	1.000	137.000	.031
	Wilks' lambda	.966	4.754 ^a	1.000	137.000	.031
	Hotelling's trace	.035	4.754 ^a	1.000	137.000	.031
	Roy's largest root	.035	4.754 ^a	1.000	137.000	.031

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	.034
	Wilks' lambda	.034
	Hotelling's trace	.034
	Roy's largest root	.034

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
  /WSFACTOR=stimulus 2 Polynomial
  /METHOD=SSTYPE(3)
  /POSTHOC=IU_group(LSD)
  /EMMEANS=TABLES(OVERALL)
  /EMMEANS=TABLES(IU_group) COMPARE ADJ(LSD)
  /EMMEANS=TABLES(stimulus) COMPARE ADJ(LSD)
  /EMMEANS=TABLES(IU_group*stimulus) COMPARE (IU_group) ADJ(BONFERRONI)
  /EMMEANS=TABLES(IU_group*stimulus) COMPARE (stimulus) ADJ (BONFERRONI)
```

```

/PRINT=DESCRIPTIVE ETASQ
/CRITERIA=ALPHA(.05)
/DESIGN= IU_group.

```

General Linear Model

Notes

Output Created		25-AUG-2021 15:55:33
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_sacc_amplitude acq_csm_sacc_amplitude BY IU_group /WSFACTOR=stimulus 2 Polynomial /METHOD=SSTYPE(3) /POSTHOC=IU_group (LSD) /EMMEANS=TABLES (OVERALL) /EMMEANS=TABLES (IU_group) COMPARE ADJ(LSD) /EMMEANS=TABLES (stimulus) COMPARE ADJ (LSD) /EMMEANS=TABLES (IU_group*stimulus) COMPARE (IU_group) ADJ(BONFERRONI) /EMMEANS=TABLES (IU_group*stimulus) COMPARE (stimulus) ADJ (BONFERRONI) /PRINT=DESCRIPTIVE ETASQ /CRITERIA=ALPHA(.05) /DESIGN= IU_group.	
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.11

Warnings

Post hoc tests are not performed for iu_group because there are fewer than three groups.

Within-Subjects Factors

Measure: MEASURE_1

stimulus	Dependent Variable
1	acq_csp_sacc _amplitude
2	acq_csm_sac c_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	Sig.
stimulus	Pillai's Trace	.007	.950 ^b	1.000	135.000	.332
	Wilks' Lambda	.993	.950 ^b	1.000	135.000	.332
	Hotelling's Trace	.007	.950 ^b	1.000	135.000	.332
	Roy's Largest Root	.007	.950 ^b	1.000	135.000	.332
stimulus * iu_group	Pillai's Trace	.003	.379 ^b	1.000	135.000	.539
	Wilks' Lambda	.997	.379 ^b	1.000	135.000	.539
	Hotelling's Trace	.003	.379 ^b	1.000	135.000	.539
	Roy's Largest Root	.003	.379 ^b	1.000	135.000	.539

Multivariate Tests^a

Effect		Partial Eta Squared
stimulus	Pillai's Trace	.007
	Wilks' Lambda	.007
	Hotelling's Trace	.007
	Roy's Largest Root	.007
stimulus * iu_group	Pillai's Trace	.003
	Wilks' Lambda	.003
	Hotelling's Trace	.003
	Roy's Largest Root	.003

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

b. Exact statistic

Mauchly's Test of Sphericity^a

Measure: MEASURE_1

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

Mauchly's Test of Sphericity^a

Measure: MEASURE_1

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 + 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: MEASURE_1

Source		Type III Sum of Squares	df	Mean Square	F
stimulus	Sphericity Assumed	.660	1	.660	.950
	Greenhouse-Geisser	.660	1.000	.660	.950
	Huynh-Feldt	.660	1.000	.660	.950
	Lower-bound	.660	1.000	.660	.950
stimulus * iu_group	Sphericity Assumed	.264	1	.264	.379
	Greenhouse-Geisser	.264	1.000	.264	.379
	Huynh-Feldt	.264	1.000	.264	.379
	Lower-bound	.264	1.000	.264	.379
Error(stimulus)	Sphericity Assumed	93.877	135	.695	
	Greenhouse-Geisser	93.877	135.000	.695	
	Huynh-Feldt	93.877	135.000	.695	
	Lower-bound	93.877	135.000	.695	

Tests of Within-Subjects Effects

Measure: MEASURE_1

Source		Sig.	Partial Eta Squared
stimulus	Sphericity Assumed	.332	.007
	Greenhouse-Geisser	.332	.007
	Huynh-Feldt	.332	.007
	Lower-bound	.332	.007
stimulus * iu_group	Sphericity Assumed	.539	.003
	Greenhouse-Geisser	.539	.003
	Huynh-Feldt	.539	.003
	Lower-bound	.539	.003
Error(stimulus)	Sphericity Assumed		
	Greenhouse-Geisser		
	Huynh-Feldt		
	Lower-bound		

Tests of Within-Subjects Contrasts

Measure: MEASURE_1

Source	stimulus	Type III Sum of Squares	df	Mean Square	F	Sig.
stimulus	Linear	.660	1	.660	.950	.332
stimulus * iu_group	Linear	.264	1	.264	.379	.539
Error(stimulus)	Linear	93.877	135	.695		

Tests of Within-Subjects Contrasts

Measure: MEASURE_1

Source	stimulus	Partial Eta Squared
stimulus	Linear	.007
stimulus * iu_group	Linear	.003
Error(stimulus)	Linear	

Tests of Between-Subjects Effects

Measure: MEASURE_1

Transformed Variable: Average

Source	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Intercept	2354.417	1	2354.417	585.703	.000	.813
iu_group	11.994	1	11.994	2.984	.086	.022
Error	542.674	135	4.020			

Estimated Marginal Means

1. Grand Mean

Measure: MEASURE_1

Mean	Std. Error	95% Confidence Interval	
		Lower Bound	Upper Bound
2.932	.121	2.692	3.172

2. iu_group

Estimates

Measure: MEASURE_1

iu_group	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
low IU	2.723	.169	2.388	3.058
high IU	3.141	.173	2.799	3.484

Pairwise Comparisons

Measure: MEASURE_1

(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	-.419	.242	.086	-.898	.061
high IU	low IU	.419	.242	.086	-.061	.898

Based on estimated marginal means

a. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

Univariate Tests

Measure: MEASURE_1

	Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Contrast	5.997	1	5.997	2.984	.086	.022
Error	271.337	135	2.010			

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: MEASURE_1

stimulus	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	2.883	.128	2.629	3.137
2	2.981	.134	2.716	3.246

Pairwise Comparisons

Measure: MEASURE_1

(I) stimulus	(J) stimulus	Mean Difference (I-J)	Std. Error	Sig. ^a	95% Confidence Interval for Difference ^a	
					Lower Bound	Upper Bound
1	2	-.098	.101	.332	-.298	.101
2	1	.098	.101	.332	-.101	.298

Based on estimated marginal means

a. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

Multivariate Tests

	Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
Pillai's trace	.007	.950 ^a	1.000	135.000	.332	.007
Wilks' lambda	.993	.950 ^a	1.000	135.000	.332	.007
Hotelling's trace	.007	.950 ^a	1.000	135.000	.332	.007
Roy's largest root	.007	.950 ^a	1.000	135.000	.332	.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: MEASURE_1

iu_group	stimulus	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
low IU	1	2.643	.180	2.288	2.998
	2	2.803	.187	2.432	3.174
high IU	1	3.123	.184	2.760	3.486
	2	3.159	.192	2.781	3.538

Pairwise Comparisons

Measure: MEASURE_1

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	-.481	.257	.063	-.988
	high IU	low IU	.481	.257	.063	-.027
2	low IU	high IU	-.356	.268	.186	-.886
	high IU	low IU	.356	.268	.186	-.173

Pairwise Comparisons

Measure: MEASURE_1

stimulus	(I) iu_group	(J) iu_group	95% Confidence Interval for ^{a..}
			Upper Bound
1	low IU	high IU	.027
	high IU	low IU	.988
2	low IU	high IU	.173
	high IU	low IU	.886

Based on estimated marginal means

a. Adjustment for multiple comparisons: Bonferroni.

Univariate Tests

Measure: MEASURE_1

stimulus		Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
1	Contrast	7.907	1	7.907	3.503	.063	.025
	Error	304.673	135	2.257			
2	Contrast	4.351	1	4.351	1.770	.186	.013
	Error	331.879	135	2.458			

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: MEASURE_1

iu_group	stimulus	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
low IU	1	2.643	.180	2.288	2.998
	2	2.803	.187	2.432	3.174
high IU	1	3.123	.184	2.760	3.486
	2	3.159	.192	2.781	3.538

Pairwise Comparisons

Measure: MEASURE_1

iu_group	(I) stimulus	(J) stimulus	Mean Difference (I-J)	Std. Error	Sig. ^a	95% Confidence Interval for ^a
						Lower Bound
low IU	1	2	-.160	.141	.258	-.439
	2	1	.160	.141	.258	-.119
high IU	1	2	-.036	.144	.802	-.321
	2	1	.036	.144	.802	-.249

Pairwise Comparisons

Measure: MEASURE_1

iu_group	(I) stimulus	(J) stimulus	95% Confidence Interval for ^a
			Upper Bound
low IU	1	2	.119
	2	1	.439
high IU	1	2	.249
	2	1	.321

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	.009	1.293 ^a	1.000	135.000	.258
	Wilks' lambda	.991	1.293 ^a	1.000	135.000	.258
	Hotelling's trace	.010	1.293 ^a	1.000	135.000	.258
	Roy's largest root	.010	1.293 ^a	1.000	135.000	.258
high IU	Pillai's trace	.000	.063 ^a	1.000	135.000	.802
	Wilks' lambda	1.000	.063 ^a	1.000	135.000	.802
	Hotelling's trace	.000	.063 ^a	1.000	135.000	.802
	Roy's largest root	.000	.063 ^a	1.000	135.000	.802

Multivariate Tests

iu_group		Partial Eta Squared
low IU	Pillai's trace	.009
	Wilks' lambda	.009
	Hotelling's trace	.009
	Roy's largest root	.009
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
```

```
/WSFACTOR=stimulus 2 Polynomial time 2 POLYNOMIAL
```

```
/MEASURE=ext_fix_count
```

```
/METHOD=SSTYPE(3)
```

```
/POSTHOC=iu_group(BONFERRONI)
```

```
/EMMEANS=TABLES(OVERALL)
```

```
/EMMEANS=TABLES(iu_group) COMPARE ADJ(BONFERRONI)
```

```

/EMMEANS=TABLES(stimulus) COMPARE ADJ(BONFERRONI)
/EMMEANS=TABLES(time) COMPARE ADJ(BONFERRONI)
/EMMEANS=TABLES(iu_group*stimulus) COMPARE (iu_group) ADJ(BONFERRONI)
/EMMEANS=TABLES(iu_group*stimulus) COMPARE (stimulus) ADJ (BONFERRONI)
/EMMEANS=TABLES(iu_group*time) COMPARE (iu_group) ADJ (BONFERRONI)
/EMMEANS=TABLES(iu_group*time) COMPARE (time) ADJ (BONFERRONI)
/EMMEANS=TABLES(stimulus*time) COMPARE (stimulus) ADJ (BONFERRONI)
/EMMEANS=TABLES(stimulus*time) COMPARE (time) ADJ (BONFERRONI)
/EMMEANS=TABLES(iu_group*stimulus*time) COMPARE (iu_group) ADJ (BONFERRONI)
/EMMEANS=TABLES(iu_group*stimulus*time) COMPARE (stimulus) ADJ (BONFERRONI)
/EMMEANS=TABLES(iu_group*stimulus*time) COMPARE (time) ADJ (BONFERRONI)
/PRINT=DESCRIPTIVE ETASQ
/CRITERIA=ALPHA(.05)
/WSDESIGN=stimulus time stimulus*time
/DESIGN=iu_group.

```

General Linear Model

Notes

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Comments		
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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_fix_count
l_ext_csp_fix_count
e_ext_csm_fix_count
l_ext_csm_fix_count BY
iu_group
/WSFACTOR=stimulus 2
Polynomial time 2
POLYNOMIAL
```

```
/MEASURE=ext_fix_count
/METHOD=SSTYPE(3)
/POSTHOC=iu_group
(BONFERRONI)
/EMMEANS=TABLES
(OVERALL)
/EMMEANS=TABLES
(iu_group) COMPARE
ADJ(BONFERRONI)
/EMMEANS=TABLES
(stimulus) COMPARE ADJ
(BONFERRONI)
/EMMEANS=TABLES
(time) COMPARE ADJ
(BONFERRONI)
/EMMEANS=TABLES
(iu_group*stimulus)
COMPARE (iu_group)
ADJ(BONFERRONI)
/EMMEANS=TABLES
(iu_group*stimulus)
COMPARE (stimulus) ADJ
(BONFERRONI)
/EMMEANS=TABLES
(iu_group*time)
COMPARE (iu_group)
ADJ (BONFERRONI)
/EMMEANS=TABLES
(iu_group*time)
COMPARE (time) ADJ
(BONFERRONI)
/EMMEANS=TABLES
(stimulus*time)
COMPARE (stimulus) ADJ
(BONFERRONI)
/EMMEANS=TABLES
(stimulus*time)
COMPARE (time) ADJ
(BONFERRONI)
/EMMEANS=TABLES
(iu_group*stimulus*time)
COMPARE (iu_group)
ADJ (BONFERRONI)
/EMMEANS=TABLES
(iu_group*stimulus*time)
COMPARE (stimulus) ADJ
(BONFERRONI)
/EMMEANS=TABLES
(iu_group*stimulus*time)
COMPARE (time) ADJ
(BONFERRONI)
/PRINT=DESCRIPTIVE
ETASQ
```

Notes

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

Warnings

Post hoc tests are not performed for iu_group because there are fewer than three groups.

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	.029	4.155 ^b	1.000	137.000
	Wilks' Lambda	.971	4.155 ^b	1.000	137.000
	Hotelling's Trace	.030	4.155 ^b	1.000	137.000
	Roy's Largest Root	.030	4.155 ^b	1.000	137.000
stimulus * iu_group	Pillai's Trace	.025	3.460 ^b	1.000	137.000
	Wilks' Lambda	.975	3.460 ^b	1.000	137.000
	Hotelling's Trace	.025	3.460 ^b	1.000	137.000
	Roy's Largest Root	.025	3.460 ^b	1.000	137.000
time	Pillai's Trace	.040	5.733 ^b	1.000	137.000
	Wilks' Lambda	.960	5.733 ^b	1.000	137.000
	Hotelling's Trace	.042	5.733 ^b	1.000	137.000
	Roy's Largest Root	.042	5.733 ^b	1.000	137.000
time * iu_group	Pillai's Trace	.032	4.572 ^b	1.000	137.000
	Wilks' Lambda	.968	4.572 ^b	1.000	137.000
	Hotelling's Trace	.033	4.572 ^b	1.000	137.000
	Roy's Largest Root	.033	4.572 ^b	1.000	137.000
stimulus * time	Pillai's Trace	.000	.061 ^b	1.000	137.000
	Wilks' Lambda	1.000	.061 ^b	1.000	137.000

Multivariate Tests^a

Effect		Sig.	Partial Eta Squared
stimulus	Pillai's Trace	.043	.029
	Wilks' Lambda	.043	.029
	Hotelling's Trace	.043	.029
	Roy's Largest Root	.043	.029
stimulus * iu_group	Pillai's Trace	.065	.025
	Wilks' Lambda	.065	.025
	Hotelling's Trace	.065	.025
	Roy's Largest Root	.065	.025
time	Pillai's Trace	.018	.040
	Wilks' Lambda	.018	.040
	Hotelling's Trace	.018	.040
	Roy's Largest Root	.018	.040
time * iu_group	Pillai's Trace	.034	.032
	Wilks' Lambda	.034	.032
	Hotelling's Trace	.034	.032
	Roy's Largest Root	.034	.032
stimulus * time	Pillai's Trace	.806	.000
	Wilks' Lambda	.806	.000

Multivariate Tests^a

Effect		Value	F	Hypothesis df	Error df
	Hotelling's Trace	.000	.061 ^b	1.000	137.000
	Roy's Largest Root	.000	.061 ^b	1.000	137.000
stimulus * time * iu_group	Pillai's Trace	.004	.600 ^b	1.000	137.000
	Wilks' Lambda	.996	.600 ^b	1.000	137.000
	Hotelling's Trace	.004	.600 ^b	1.000	137.000
	Roy's Largest Root	.004	.600 ^b	1.000	137.000

Multivariate Tests^a

Effect		Sig.	Partial Eta Squared
	Hotelling's Trace	.806	.000
	Roy's Largest Root	.806	.000
stimulus * time * iu_group	Pillai's Trace	.440	.004
	Wilks' Lambda	.440	.004
	Hotelling's Trace	.440	.004
	Roy's Largest Root	.440	.004

- a. Design: Intercept + 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 + 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	11.043	1	11.043	4.155
	Greenhouse-Geisser	11.043	1.000	11.043	4.155
	Huynh-Feldt	11.043	1.000	11.043	4.155
	Lower-bound	11.043	1.000	11.043	4.155
stimulus * iu_group	Sphericity Assumed	9.197	1	9.197	3.460
	Greenhouse-Geisser	9.197	1.000	9.197	3.460
	Huynh-Feldt	9.197	1.000	9.197	3.460
	Lower-bound	9.197	1.000	9.197	3.460
Error(stimulus)	Sphericity Assumed	364.161	137	2.658	
	Greenhouse-Geisser	364.161	137.000	2.658	
	Huynh-Feldt	364.161	137.000	2.658	
	Lower-bound	364.161	137.000	2.658	
time	Sphericity Assumed	25.440	1	25.440	5.733
	Greenhouse-Geisser	25.440	1.000	25.440	5.733
	Huynh-Feldt	25.440	1.000	25.440	5.733
	Lower-bound	25.440	1.000	25.440	5.733
time * iu_group	Sphericity Assumed	20.289	1	20.289	4.572
	Greenhouse-Geisser	20.289	1.000	20.289	4.572
	Huynh-Feldt	20.289	1.000	20.289	4.572
	Lower-bound	20.289	1.000	20.289	4.572
Error(time)	Sphericity Assumed	607.894	137	4.437	
	Greenhouse-Geisser	607.894	137.000	4.437	
	Huynh-Feldt	607.894	137.000	4.437	
	Lower-bound	607.894	137.000	4.437	
stimulus * time	Sphericity Assumed	.137	1	.137	.061
	Greenhouse-Geisser	.137	1.000	.137	.061
	Huynh-Feldt	.137	1.000	.137	.061
	Lower-bound	.137	1.000	.137	.061
stimulus * time * iu_group	Sphericity Assumed	1.357	1	1.357	.600
	Greenhouse-Geisser	1.357	1.000	1.357	.600
	Huynh-Feldt	1.357	1.000	1.357	.600
	Lower-bound	1.357	1.000	1.357	.600
Error(stimulus*time)	Sphericity Assumed	310.066	137	2.263	
	Greenhouse-Geisser	310.066	137.000	2.263	

Tests of Within-Subjects Effects

Measure: ext_fix_count

Source		Sig.	Partial Eta Squared
stimulus	Sphericity Assumed	.043	.029
	Greenhouse-Geisser	.043	.029
	Huynh-Feldt	.043	.029
	Lower-bound	.043	.029
stimulus * iu_group	Sphericity Assumed	.065	.025
	Greenhouse-Geisser	.065	.025
	Huynh-Feldt	.065	.025
	Lower-bound	.065	.025
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 * iu_group	Sphericity Assumed	.034	.032
	Greenhouse-Geisser	.034	.032
	Huynh-Feldt	.034	.032
	Lower-bound	.034	.032
Error(time)	Sphericity Assumed		
	Greenhouse-Geisser		
	Huynh-Feldt		
	Lower-bound		
stimulus * time	Sphericity Assumed	.806	.000
	Greenhouse-Geisser	.806	.000
	Huynh-Feldt	.806	.000
	Lower-bound	.806	.000
stimulus * time * iu_group	Sphericity Assumed	.440	.004
	Greenhouse-Geisser	.440	.004
	Huynh-Feldt	.440	.004
	Lower-bound	.440	.004
Error(stimulus*time)	Sphericity Assumed		
	Greenhouse-Geisser		

Tests of Within-Subjects Effects

Measure: ext_fix_count

Source		Type III Sum of Squares	df	Mean Square	F
Huynh-Feldt		310.066	137.000	2.263	
Lower-bound		310.066	137.000	2.263	

Tests of Within-Subjects Effects

Measure: ext_fix_count

Source		Sig.	Partial Eta Squared
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		11.043	1	11.043	4.155
stimulus * iu_group	Linear		9.197	1	9.197	3.460
Error(stimulus)	Linear		364.161	137	2.658	
time		Linear	25.440	1	25.440	5.733
time * iu_group		Linear	20.289	1	20.289	4.572
Error(time)		Linear	607.894	137	4.437	
stimulus * time	Linear	Linear	.137	1	.137	.061
stimulus * time * iu_group	Linear	Linear	1.357	1	1.357	.600
Error(stimulus*time)	Linear	Linear	310.066	137	2.263	

Tests of Within-Subjects Contrasts

Measure: ext_fix_count

Source	stimulus	time	Sig.	Partial Eta Squared
stimulus	Linear		.043	.029
stimulus * iu_group	Linear		.065	.025
Error(stimulus)	Linear			
time		Linear	.018	.040
time * iu_group		Linear	.034	.032
Error(time)		Linear		
stimulus * time	Linear	Linear	.806	.000
stimulus * time * iu_group	Linear	Linear	.440	.004
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	31335.441	1	31335.441	798.345	.000	.854
iu_group	301.129	1	301.129	7.672	.006	.053
Error	5377.320	137	39.251			

Estimated Marginal Means

1. Grand Mean

Measure: ext_fix_count

Mean	Std. Error	95% Confidence Interval	
		Lower Bound	Upper Bound
7.509	.266	6.983	8.035

2. iu_group

Estimates

Measure: ext_fix_count

iu_group	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
low IU	6.773	.372	6.038	7.508
high IU	8.245	.380	7.494	8.996

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	-1.472 [*]	.532	.006	-2.523	-.421
high IU	low IU	1.472 [*]	.532	.006	.421	2.523

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	75.282	1	75.282	7.672	.006	.053
Error	1344.330	137	9.813			

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	7.368	.277	6.819	7.917
2	7.650	.272	7.113	8.187

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	-.282 [*]	.138	.043	-.555	-.008
2	1	.282 [*]	.138	.043	.008	.555

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	.029	4.155 ^a	1.000	137.000	.043	.029
Wilks' lambda	.971	4.155 ^a	1.000	137.000	.043	.029
Hotelling's trace	.030	4.155 ^a	1.000	137.000	.043	.029
Roy's largest root	.030	4.155 ^a	1.000	137.000	.043	.029

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	7.295	.286	6.729	7.861
2	7.723	.275	7.180	8.266

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	-.781	-.075
2	1	.428 [*]	.179	.018	.075	.781

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	5.733 ^a	1.000	137.000	.018	.040
Wilks' lambda	.960	5.733 ^a	1.000	137.000	.018	.040
Hotelling's trace	.042	5.733 ^a	1.000	137.000	.018	.040
Roy's largest root	.042	5.733 ^a	1.000	137.000	.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	6.761	.388	5.993	7.528
	2	6.785	.380	6.033	7.537
high IU	1	7.975	.397	7.191	8.760
	2	8.515	.388	7.747	9.283

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	-1.215 [*]	.555	.030	-2.312
	high IU	low IU	1.215 [*]	.555	.030	.118
2	low IU	high IU	-1.729 [*]	.544	.002	-2.804
	high IU	low IU	1.729 [*]	.544	.002	.655

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	-.118
	high IU	low IU	2.312
2	low IU	high IU	-.655
	high IU	low IU	2.804

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	51.269	1	51.269	4.795	.030	.034
	Error	1464.812	137	10.692			
2	Contrast	103.894	1	103.894	10.124	.002	.069
	Error	1405.929	137	10.262			

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	6.761	.388	5.993	7.528
	2	6.785	.380	6.033	7.537
high IU	1	7.975	.397	7.191	8.760
	2	8.515	.388	7.747	9.283

Pairwise Comparisons

Measure: ext_fix_count

iu_group	(I) stimulus	(J) stimulus	Mean Difference (I-J)	Std. Error	Sig. ^b	95% Confidence Interval ^b
						Lower Bound
low IU	1	2	-.025	.193	.899	-.407
	2	1	.025	.193	.899	-.358
high IU	1	2	-.539 [*]	.198	.007	-.930
	2	1	.539 [*]	.198	.007	.148

Pairwise Comparisons

Measure: ext_fix_count

iu_group	(I) stimulus	(J) stimulus	95% Confidence Interval for ^b
			Upper Bound
low IU	1	2	.358
	2	1	.407
high IU	1	2	-.148
	2	1	.930

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	.016 ^a	1.000	137.000	.899
	Wilks' lambda	1.000	.016 ^a	1.000	137.000	.899
	Hotelling's trace	.000	.016 ^a	1.000	137.000	.899
	Roy's largest root	.000	.016 ^a	1.000	137.000	.899
high IU	Pillai's trace	.051	7.438 ^a	1.000	137.000	.007
	Wilks' lambda	.949	7.438 ^a	1.000	137.000	.007
	Hotelling's trace	.054	7.438 ^a	1.000	137.000	.007
	Roy's largest root	.054	7.438 ^a	1.000	137.000	.007

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	.051
	Wilks' lambda	.051
	Hotelling's trace	.051
	Roy's largest root	.051

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	6.750	.400	5.959	7.541
	2	6.796	.384	6.036	7.555
high IU	1	7.840	.409	7.031	8.649
	2	8.650	.392	7.874	9.426

Pairwise Comparisons

Measure: ext_fix_count

time	(I) iu_group	(J) iu_group	Mean Difference (I-J)	Std. Error	Sig. ^b	95% Confidence Interval for ^b
						Lower Bound
1	low IU	high IU	-1.090	.572	.059	-2.222
	high IU	low IU	1.090	.572	.059	-.042
2	low IU	high IU	-1.854 [*]	.549	.001	-2.940
	high IU	low IU	1.854 [*]	.549	.001	.769

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	.042
	high IU	low IU	2.222
2	low IU	high IU	-.769
	high IU	low IU	2.940

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	41.273	1	41.273	3.628	.059	.026
	Error	1558.339	137	11.375			
2	Contrast	119.436	1	119.436	11.408	.001	.077
	Error	1434.268	137	10.469			

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	6.750	.400	5.959	7.541
	2	6.796	.384	6.036	7.555
high IU	1	7.840	.409	7.031	8.649
	2	8.650	.392	7.874	9.426

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	-.046	.250	.855	-.540	.449
	2	1	.046	.250	.855	-.449	.540
high IU	1	2	-.810 [*]	.255	.002	-1.315	-.305
	2	1	.810 [*]	.255	.002	.305	1.315

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	.034 ^a	1.000	137.000	.855
	Wilks' lambda	1.000	.034 ^a	1.000	137.000	.855
	Hotelling's trace	.000	.034 ^a	1.000	137.000	.855
	Roy's largest root	.000	.034 ^a	1.000	137.000	.855
high IU	Pillai's trace	.068	10.056 ^a	1.000	137.000	.002
	Wilks' lambda	.932	10.056 ^a	1.000	137.000	.002
	Hotelling's trace	.073	10.056 ^a	1.000	137.000	.002
	Roy's largest root	.073	10.056 ^a	1.000	137.000	.002

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	.068
	Wilks' lambda	.068
	Hotelling's trace	.068
	Roy's largest root	.068

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	7.170	.313	6.551	7.789
	2	7.566	.288	6.996	8.136
2	1	7.420	.294	6.838	8.002
	2	7.880	.287	7.313	8.447

Pairwise Comparisons

Measure: ext_fix_count

time	(I) stimulus	(J) stimulus	Mean Difference (I-J)	Std. Error	Sig. ^a	95% Confidence Interval
						Lower Bound
1	1	2	-.250	.204	.222	-.655
	2	1	.250	.204	.222	-.154
2	1	2	-.313	.170	.068	-.650
	2	1	.313	.170	.068	-.024

Pairwise Comparisons

Measure: ext_fix_count

time	(I) stimulus	(J) stimulus	95% Confidence Interval for ^a
			Upper Bound
1	1	2	.154
	2	1	.655
2	1	2	.024
	2	1	.650

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	1.502 ^a	1.000	137.000	.222	.011
	Wilks' lambda	.989	1.502 ^a	1.000	137.000	.222	.011
	Hotelling's trace	.011	1.502 ^a	1.000	137.000	.222	.011
	Roy's largest root	.011	1.502 ^a	1.000	137.000	.222	.011
2	Pillai's trace	.024	3.379 ^a	1.000	137.000	.068	.024
	Wilks' lambda	.976	3.379 ^a	1.000	137.000	.068	.024
	Hotelling's trace	.025	3.379 ^a	1.000	137.000	.068	.024
	Roy's largest root	.025	3.379 ^a	1.000	137.000	.068	.024

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	7.170	.313	6.551	7.789
	2	7.566	.288	6.996	8.136
2	1	7.420	.294	6.838	8.002
	2	7.880	.287	7.313	8.447

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	-.396	.233	.091	-.857	.065
	2	1	.396	.233	.091	-.065	.857
2	1	2	-.459 [*]	.205	.027	-.865	-.054
	2	1	.459 [*]	.205	.027	.054	.865

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	2.892 ^a	1.000	137.000	.091	.021
	Wilks' lambda	.979	2.892 ^a	1.000	137.000	.091	.021
	Hotelling's trace	.021	2.892 ^a	1.000	137.000	.091	.021
	Roy's largest root	.021	2.892 ^a	1.000	137.000	.091	.021
2	Pillai's trace	.035	5.011 ^a	1.000	137.000	.027	.035
	Wilks' lambda	.965	5.011 ^a	1.000	137.000	.027	.035
	Hotelling's trace	.037	5.011 ^a	1.000	137.000	.027	.035
	Roy's largest root	.037	5.011 ^a	1.000	137.000	.027	.035

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	6.803	.438	5.937	7.669
		2	6.718	.403	5.921	7.515
	2	1	6.697	.412	5.883	7.511
		2	6.873	.401	6.080	7.666
high IU	1	1	7.537	.448	6.652	8.422
		2	8.414	.412	7.600	9.229
	2	1	8.143	.421	7.312	8.975
		2	8.886	.410	8.076	9.696

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	-.734	.626	.243	-1.972
		high IU	low IU	.734	.626	.243	-.504
	2	low IU	high IU	-1.696 [*]	.576	.004	-2.836
		high IU	low IU	1.696 [*]	.576	.004	.556
2	1	low IU	high IU	-1.446 [*]	.588	.015	-2.610
		high IU	low IU	1.446 [*]	.588	.015	.283
	2	low IU	high IU	-2.013 [*]	.573	.001	-3.147
		high IU	low IU	2.013 [*]	.573	.001	.879

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	.504
		high IU	low IU	1.972
	2	low IU	high IU	-.556
		high IU	low IU	2.836
2	1	low IU	high IU	-.283
		high IU	low IU	2.610
	2	low IU	high IU	-.879
		high IU	low IU	3.147

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	18.710	1	18.710	1.373	.243
		Error	1866.398	137	13.623		
	2	Contrast	99.898	1	99.898	8.659	.004
		Error	1580.477	137	11.536		
2	1	Contrast	72.646	1	72.646	6.039	.015
		Error	1647.904	137	12.028		
	2	Contrast	140.718	1	140.718	12.321	.001
		Error	1564.663	137	11.421		

Univariate Tests

Measure: ext_fix_count

stimulus	time		Partial Eta Squared
1	1	Contrast	.010
		Error	
	2	Contrast	.059
		Error	
2	1	Contrast	.042
		Error	
	2	Contrast	.083
		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	6.803	.438	5.937	7.669
		2	6.718	.403	5.921	7.515
	2	1	6.697	.412	5.883	7.511
		2	6.873	.401	6.080	7.666
high IU	1	1	7.537	.448	6.652	8.422
		2	8.414	.412	7.600	9.229
	2	1	8.143	.421	7.312	8.975
		2	8.886	.410	8.076	9.696

Pairwise Comparisons

Measure: ext_fix_count

iu_group	time	(I) stimulus	(J) stimulus	Mean Difference (I-J)	Std. Error	Sig. ^b	95% Confidence b...
							Lower Bound
low IU	1	1	2	.106	.286	.712	-.460
		2	1	-.106	.286	.712	-.671
	2	1	2	-.155	.238	.517	-.627
		2	1	.155	.238	.517	-.317
high IU	1	1	2	-.607 [*]	.292	.040	-1.184
		2	1	.607 [*]	.292	.040	.029
	2	1	2	-.472	.244	.055	-.954
		2	1	.472	.244	.055	-.010

Pairwise Comparisons

Measure: ext_fix_count

iu_group	time	(I) stimulus	(J) stimulus	95% Confidence Interval for ... ^b
				Upper Bound
low IU	1	1	2	.671
		2	1	.460
	2	1	2	.317
		2	1	.627
high IU	1	1	2	-.029
		2	1	1.184
	2	1	2	.010
		2	1	.954

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	.136 ^a	1.000	137.000	.712
		Wilks' lambda	.999	.136 ^a	1.000	137.000	.712
		Hotelling's trace	.001	.136 ^a	1.000	137.000	.712
		Roy's largest root	.001	.136 ^a	1.000	137.000	.712
	2	Pillai's trace	.003	.422 ^a	1.000	137.000	.517
		Wilks' lambda	.997	.422 ^a	1.000	137.000	.517
		Hotelling's trace	.003	.422 ^a	1.000	137.000	.517
		Roy's largest root	.003	.422 ^a	1.000	137.000	.517
high IU	1	Pillai's trace	.031	4.311 ^a	1.000	137.000	.040
		Wilks' lambda	.969	4.311 ^a	1.000	137.000	.040
		Hotelling's trace	.031	4.311 ^a	1.000	137.000	.040
		Roy's largest root	.031	4.311 ^a	1.000	137.000	.040
	2	Pillai's trace	.027	3.749 ^a	1.000	137.000	.055
		Wilks' lambda	.973	3.749 ^a	1.000	137.000	.055
		Hotelling's trace	.027	3.749 ^a	1.000	137.000	.055
		Roy's largest root	.027	3.749 ^a	1.000	137.000	.055

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	.003
		Wilks' lambda	.003
		Hotelling's trace	.003
		Roy's largest root	.003
high IU	1	Pillai's trace	.031
		Wilks' lambda	.031
		Hotelling's trace	.031
		Roy's largest root	.031
	2	Pillai's trace	.027
		Wilks' lambda	.027
		Hotelling's trace	.027
		Roy's largest root	.027

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	6.803	.438	5.937	7.669
		2	6.718	.403	5.921	7.515
	2	1	6.697	.412	5.883	7.511
		2	6.873	.401	6.080	7.666
high IU	1	1	7.537	.448	6.652	8.422
		2	8.414	.412	7.600	9.229
	2	1	8.143	.421	7.312	8.975
		2	8.886	.410	8.076	9.696

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	.085	.326	.796	-.560
		2	1	-.085	.326	.796	-.729
	2	1	2	-.176	.287	.541	-.744
		2	1	.176	.287	.541	-.392
high IU	1	1	2	-.877 [*]	.333	.009	-1.536
		2	1	.877 [*]	.333	.009	.219
	2	1	2	-.743 [*]	.293	.012	-1.323
		2	1	.743 [*]	.293	.012	.163

Pairwise Comparisons

Measure: ext_fix_count

				95% Confidence Interval for ^b ...
iu_group	stimulus	(I) time	(J) time	Upper Bound
low IU	1	1	2	.729
		2	1	.560
	2	1	2	.392
		2	1	.744
high IU	1	1	2	-.219
		2	1	1.536
	2	1	2	-.163
		2	1	1.323

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	.067 ^a	1.000	137.000	.796
		Wilks' lambda	1.000	.067 ^a	1.000	137.000	.796
		Hotelling's trace	.000	.067 ^a	1.000	137.000	.796
		Roy's largest root	.000	.067 ^a	1.000	137.000	.796
	2	Pillai's trace	.003	.376 ^a	1.000	137.000	.541
		Wilks' lambda	.997	.376 ^a	1.000	137.000	.541
		Hotelling's trace	.003	.376 ^a	1.000	137.000	.541
		Roy's largest root	.003	.376 ^a	1.000	137.000	.541
high IU	1	Pillai's trace	.048	6.933 ^a	1.000	137.000	.009
		Wilks' lambda	.952	6.933 ^a	1.000	137.000	.009
		Hotelling's trace	.051	6.933 ^a	1.000	137.000	.009
		Roy's largest root	.051	6.933 ^a	1.000	137.000	.009
	2	Pillai's trace	.045	6.411 ^a	1.000	137.000	.012
		Wilks' lambda	.955	6.411 ^a	1.000	137.000	.012

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	.003
		Wilks' lambda	.003
		Hotelling's trace	.003
		Roy's largest root	.003
high IU	1	Pillai's trace	.048
		Wilks' lambda	.048
		Hotelling's trace	.048
		Roy's largest root	.048
	2	Pillai's trace	.045
		Wilks' lambda	.045

Multivariate Tests

iu_group	stimulus	Value	F	Hypothesis df	Error df	Sig.
	Hotelling's trace	.047	6.411 ^a	1.000	137.000	.012
	Roy's largest root	.047	6.411 ^a	1.000	137.000	.012

Multivariate Tests

iu_group	stimulus	Partial Eta Squared
	Hotelling's trace	.045
	Roy's largest root	.045

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_duratione_ext_csm_fix_durationl_ext_csm_fix_durationBY iu_group


```

/WSFACTOR=stimulus 2 Polynomial time 2 POLYNOMIAL
/MEASURE=ext_fix_count
/METHOD=SSTYPE(3)
/POSTHOC=iu_group(BONFERRONI)
/EMMEANS=TABLES(OVERALL)
/EMMEANS=TABLES(iu_group) COMPARE ADJ(BONFERRONI)
/EMMEANS=TABLES(stimulus) COMPARE ADJ(BONFERRONI)
/EMMEANS=TABLES(time) COMPARE ADJ(BONFERRONI)
/EMMEANS=TABLES(iu_group*stimulus) COMPARE (iu_group) ADJ(BONFERRONI)
/EMMEANS=TABLES(iu_group*stimulus) COMPARE (stimulus) ADJ (BONFERRONI)
/EMMEANS=TABLES(iu_group*time) COMPARE (iu_group) ADJ (BONFERRONI)
/EMMEANS=TABLES(iu_group*time) COMPARE (time) ADJ (BONFERRONI)
/EMMEANS=TABLES(stimulus*time) COMPARE (stimulus) ADJ (BONFERRONI)
/EMMEANS=TABLES(stimulus*time) COMPARE (time) ADJ (BONFERRONI)
/EMMEANS=TABLES(iu_group*stimulus*time) COMPARE (iu_group) ADJ (BONFERRONI)
/EMMEANS=TABLES(iu_group*stimulus*time) COMPARE (stimulus) ADJ (BONFERRONI)
/EMMEANS=TABLES(iu_group*stimulus*time) COMPARE (time) ADJ (BONFERRONI)
/PRINT=DESCRIPTIVE ETASQ
/CRITERIA=ALPHA(.05)
/WSDESIGN=stimulus time stimulus*time
/DESIGN=iu_group.

```

General Linear Model

Notes

Output Created		25-AUG-2021 15:56:25
Comments		
Input	Data	\\tsclient\Drives\claudia\Desktop\simple_effects\anova_simple_effects.sav
	Active Dataset	DataSet2
	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
/WSFACTOR=stimulus 2
Polynomial time 2
POLYNOMIAL

/MEASURE=ext_fix_count
/METHOD=SSTYPE(3)
/POSTHOC=iu_group
(BONFERRONI)
/EMMEANS=TABLES
(OVERALL)
/EMMEANS=TABLES
(iu_group) COMPARE
ADJ(BONFERRONI)
/EMMEANS=TABLES
(stimulus) COMPARE ADJ
(BONFERRONI)
/EMMEANS=TABLES
(time) COMPARE ADJ
(BONFERRONI)
/EMMEANS=TABLES
(iu_group*stimulus)
COMPARE (iu_group)
ADJ(BONFERRONI)
/EMMEANS=TABLES
(iu_group*stimulus)
COMPARE (stimulus) ADJ
(BONFERRONI)
/EMMEANS=TABLES
(iu_group*time)
COMPARE (iu_group)
ADJ (BONFERRONI)
/EMMEANS=TABLES
(iu_group*time)
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(BONFERRONI)
/EMMEANS=TABLES
(stimulus*time)
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(BONFERRONI)
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(BONFERRONI)
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COMPARE (iu_group)
ADJ (BONFERRONI)
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COMPARE (stimulus) ADJ
(BONFERRONI)
/EMMEANS=TABLES
(iu_group*stimulus*time)
COMPARE (time) ADJ
(BONFERRONI)
/PRINT=DESCRIPTIVE

Notes

Resources	Processor Time	00:00:00.08
	Elapsed Time	00:00:00.15

Warnings

Post hoc tests are not performed for iu_group because there are fewer than three groups.

Within-Subjects Factors

Measure: ext_fix_count

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	.710 ^b	1.000	137.000
	Wilks' Lambda	.995	.710 ^b	1.000	137.000
	Hotelling's Trace	.005	.710 ^b	1.000	137.000
	Roy's Largest Root	.005	.710 ^b	1.000	137.000
stimulus * iu_group	Pillai's Trace	.024	3.399 ^b	1.000	137.000
	Wilks' Lambda	.976	3.399 ^b	1.000	137.000
	Hotelling's Trace	.025	3.399 ^b	1.000	137.000
	Roy's Largest Root	.025	3.399 ^b	1.000	137.000
time	Pillai's Trace	.016	2.189 ^b	1.000	137.000
	Wilks' Lambda	.984	2.189 ^b	1.000	137.000
	Hotelling's Trace	.016	2.189 ^b	1.000	137.000
	Roy's Largest Root	.016	2.189 ^b	1.000	137.000
time * iu_group	Pillai's Trace	.000	.009 ^b	1.000	137.000
	Wilks' Lambda	1.000	.009 ^b	1.000	137.000
	Hotelling's Trace	.000	.009 ^b	1.000	137.000
	Roy's Largest Root	.000	.009 ^b	1.000	137.000
stimulus * time	Pillai's Trace	.007	.945 ^b	1.000	137.000
	Wilks' Lambda	.993	.945 ^b	1.000	137.000

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 * iu_group	Pillai's Trace	.067	.024
	Wilks' Lambda	.067	.024
	Hotelling's Trace	.067	.024
	Roy's Largest Root	.067	.024
time	Pillai's Trace	.141	.016
	Wilks' Lambda	.141	.016
	Hotelling's Trace	.141	.016
	Roy's Largest Root	.141	.016
time * iu_group	Pillai's Trace	.925	.000
	Wilks' Lambda	.925	.000
	Hotelling's Trace	.925	.000
	Roy's Largest Root	.925	.000
stimulus * time	Pillai's Trace	.333	.007
	Wilks' Lambda	.333	.007

Multivariate Tests^a

Effect		Value	F	Hypothesis df	Error df
	Hotelling's Trace	.007	.945 ^b	1.000	137.000
	Roy's Largest Root	.007	.945 ^b	1.000	137.000
stimulus * time * iu_group	Pillai's Trace	.002	.293 ^b	1.000	137.000
	Wilks' Lambda	.998	.293 ^b	1.000	137.000
	Hotelling's Trace	.002	.293 ^b	1.000	137.000
	Roy's Largest Root	.002	.293 ^b	1.000	137.000

Multivariate Tests^a

Effect		Sig.	Partial Eta Squared
	Hotelling's Trace	.333	.007
	Roy's Largest Root	.333	.007
stimulus * time * iu_group	Pillai's Trace	.589	.002
	Wilks' Lambda	.589	.002
	Hotelling's Trace	.589	.002
	Roy's Largest Root	.589	.002

- a. Design: Intercept + 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 + 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	330115.667	1	330115.667	.710
	Greenhouse-Geisser	330115.667	1.000	330115.667	.710
	Huynh-Feldt	330115.667	1.000	330115.667	.710
	Lower-bound	330115.667	1.000	330115.667	.710
stimulus * iu_group	Sphericity Assumed	1579304.286	1	1579304.286	3.399
	Greenhouse-Geisser	1579304.286	1.000	1579304.286	3.399
	Huynh-Feldt	1579304.286	1.000	1579304.286	3.399
	Lower-bound	1579304.286	1.000	1579304.286	3.399
Error(stimulus)	Sphericity Assumed	63653649.27	137	464625.177	
	Greenhouse-Geisser	63653649.27	137.000	464625.177	
	Huynh-Feldt	63653649.27	137.000	464625.177	
	Lower-bound	63653649.27	137.000	464625.177	
time	Sphericity Assumed	1042160.662	1	1042160.662	2.189
	Greenhouse-Geisser	1042160.662	1.000	1042160.662	2.189
	Huynh-Feldt	1042160.662	1.000	1042160.662	2.189
	Lower-bound	1042160.662	1.000	1042160.662	2.189
time * iu_group	Sphericity Assumed	4197.114	1	4197.114	.009
	Greenhouse-Geisser	4197.114	1.000	4197.114	.009
	Huynh-Feldt	4197.114	1.000	4197.114	.009
	Lower-bound	4197.114	1.000	4197.114	.009
Error(time)	Sphericity Assumed	65228908.70	137	476123.421	
	Greenhouse-Geisser	65228908.70	137.000	476123.421	
	Huynh-Feldt	65228908.70	137.000	476123.421	
	Lower-bound	65228908.70	137.000	476123.421	
stimulus * time	Sphericity Assumed	320064.571	1	320064.571	.945
	Greenhouse-Geisser	320064.571	1.000	320064.571	.945
	Huynh-Feldt	320064.571	1.000	320064.571	.945
	Lower-bound	320064.571	1.000	320064.571	.945
stimulus * time * iu_group	Sphericity Assumed	99363.665	1	99363.665	.293
	Greenhouse-Geisser	99363.665	1.000	99363.665	.293
	Huynh-Feldt	99363.665	1.000	99363.665	.293
	Lower-bound	99363.665	1.000	99363.665	.293
Error(stimulus*time)	Sphericity Assumed	46424559.90	137	338865.401	
	Greenhouse-Geisser	46424559.90	137.000	338865.401	

Tests of Within-Subjects Effects

Measure: ext_fix_count

Source		Sig.	Partial Eta Squared
stimulus	Sphericity Assumed	.401	.005
	Greenhouse-Geisser	.401	.005
	Huynh-Feldt	.401	.005
	Lower-bound	.401	.005
stimulus * iu_group	Sphericity Assumed	.067	.024
	Greenhouse-Geisser	.067	.024
	Huynh-Feldt	.067	.024
	Lower-bound	.067	.024
Error(stimulus)	Sphericity Assumed		
	Greenhouse-Geisser		
	Huynh-Feldt		
	Lower-bound		
time	Sphericity Assumed	.141	.016
	Greenhouse-Geisser	.141	.016
	Huynh-Feldt	.141	.016
	Lower-bound	.141	.016
time * iu_group	Sphericity Assumed	.925	.000
	Greenhouse-Geisser	.925	.000
	Huynh-Feldt	.925	.000
	Lower-bound	.925	.000
Error(time)	Sphericity Assumed		
	Greenhouse-Geisser		
	Huynh-Feldt		
	Lower-bound		
stimulus * time	Sphericity Assumed	.333	.007
	Greenhouse-Geisser	.333	.007
	Huynh-Feldt	.333	.007
	Lower-bound	.333	.007
stimulus * time * iu_group	Sphericity Assumed	.589	.002
	Greenhouse-Geisser	.589	.002
	Huynh-Feldt	.589	.002
	Lower-bound	.589	.002
Error(stimulus*time)	Sphericity Assumed		
	Greenhouse-Geisser		

Tests of Within-Subjects Effects

Measure: ext_fix_count

Source		Type III Sum of Squares	df	Mean Square	F
	Huynh-Feldt	46424559.90	137.000	338865.401	
	Lower-bound	46424559.90	137.000	338865.401	

Tests of Within-Subjects Effects

Measure: ext_fix_count

Source		Sig.	Partial Eta Squared
	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		330115.667	1	330115.667	.710
stimulus * iu_group	Linear		1579304.286	1	1579304.286	3.399
Error(stimulus)	Linear		63653649.27	137	464625.177	
time		Linear	1042160.662	1	1042160.662	2.189
time * iu_group		Linear	4197.114	1	4197.114	.009
Error(time)		Linear	65228908.70	137	476123.421	
stimulus * time	Linear	Linear	320064.571	1	320064.571	.945
stimulus * time * iu_group	Linear	Linear	99363.665	1	99363.665	.293
Error(stimulus*time)	Linear	Linear	46424559.90	137	338865.401	

Tests of Within-Subjects Contrasts

Measure: ext_fix_count

Source	stimulus	time	Sig.	Partial Eta Squared
stimulus	Linear		.401	.005
stimulus * iu_group	Linear		.067	.024
Error(stimulus)	Linear			
time		Linear	.141	.016
time * iu_group		Linear	.925	.000
Error(time)		Linear		
stimulus * time	Linear	Linear	.333	.007
stimulus * time * iu_group	Linear	Linear	.589	.002
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	677545568.4	1	677545568.4	190.452	.000	.582
iu_group	49564506.03	1	49564506.03	13.932	.000	.092
Error	487387032.5	137	3557569.580			

Estimated Marginal Means

1. Grand Mean

Measure: ext_fix_count

Mean	Std. Error	95% Confidence Interval	
		Lower Bound	Upper Bound
1104.163	80.009	945.950	1262.375

2. iu_group

Estimates

Measure: ext_fix_count

iu_group	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
low IU	1402.803	111.923	1181.484	1624.123
high IU	805.522	114.365	579.373	1031.670

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	597.282 [*]	160.019	.000	280.856	913.707
high IU	low IU	-597.282 [*]	160.019	.000	-913.707	-280.856

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	12391126.51	1	12391126.51	13.932	.000	.092
Error	121846758.1	137	889392.395			

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	1079.790	74.825	931.828	1227.752
2	1128.535	94.214	942.234	1314.836

Pairwise Comparisons

Measure: ext_fix_count

(I) stimulus	(J) stimulus	Mean Difference (I-J)	Std. Error	Sig. ^a	95% Confidence Interval for Difference ^a	
					Lower Bound	Upper Bound
1	2	-48.745	57.829	.401	-163.097	65.608
2	1	48.745	57.829	.401	-65.608	163.097

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	.710 ^a	1.000	137.000	.401	.005
Wilks' lambda	.995	.710 ^a	1.000	137.000	.401	.005
Hotelling's trace	.005	.710 ^a	1.000	137.000	.401	.005
Roy's largest root	.005	.710 ^a	1.000	137.000	.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_count

time	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	1147.467	83.683	981.990	1312.944
2	1060.858	86.681	889.452	1232.265

Pairwise Comparisons

Measure: ext_fix_count

(I) time	(J) time	Mean Difference (I-J)	Std. Error	Sig. ^a	95% Confidence Interval for Difference ^a	
					Lower Bound	Upper Bound
1	2	86.609	58.540	.141	-29.150	202.368
2	1	-86.609	58.540	.141	-202.368	29.150

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	2.189 ^a	1.000	137.000	.141	.016
Wilks' lambda	.984	2.189 ^a	1.000	137.000	.141	.016
Hotelling's trace	.016	2.189 ^a	1.000	137.000	.141	.016
Roy's largest root	.016	2.189 ^a	1.000	137.000	.141	.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_count

iu_group	stimulus	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
low IU	1	1325.123	104.671	1118.143	1532.102
	2	1480.484	131.793	1219.873	1741.095
high IU	1	834.458	106.955	622.962	1045.954
	2	776.586	134.669	510.288	1042.883

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	490.665 [*]	149.651	.001	194.741
	high IU	low IU	-490.665 [*]	149.651	.001	-786.589
2	low IU	high IU	703.899 [*]	188.428	.000	331.296
	high IU	low IU	-703.899 [*]	188.428	.000	-1076.501

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	786.589
	high IU	low IU	-194.741
2	low IU	high IU	1076.501
	high IU	low IU	-331.296

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	8362225.734	1	8362225.734	10.750	.001	.073
	Error	106568886.8	137	777875.086			
2	Contrast	17209679.42	1	17209679.42	13.955	.000	.092
	Error	168951454.1	137	1233222.293			

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	1325.123	104.671	1118.143	1532.102
	2	1480.484	131.793	1219.873	1741.095
high IU	1	834.458	106.955	622.962	1045.954
	2	776.586	134.669	510.288	1042.883

Pairwise Comparisons

Measure: ext_fix_count

iu_group	(I) stimulus	(J) stimulus	Mean Difference (I-J)	Std. Error	Sig. ^a	95% Confidence Interval for ^a
						Lower Bound
low IU	1	2	-155.362	80.895	.057	-315.326
	2	1	155.362	80.895	.057	-4.603
high IU	1	2	57.872	82.660	.485	-105.583
	2	1	-57.872	82.660	.485	-221.327

Pairwise Comparisons

Measure: ext_fix_count

iu_group	(I) stimulus	(J) stimulus	95% Confidence Interval for ^a
			Upper Bound
low IU	1	2	4.603
	2	1	315.326
high IU	1	2	221.327
	2	1	105.583

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	.026	3.688 ^a	1.000	137.000	.057
	Wilks' lambda	.974	3.688 ^a	1.000	137.000	.057
	Hotelling's trace	.027	3.688 ^a	1.000	137.000	.057
	Roy's largest root	.027	3.688 ^a	1.000	137.000	.057
high IU	Pillai's trace	.004	.490 ^a	1.000	137.000	.485
	Wilks' lambda	.996	.490 ^a	1.000	137.000	.485
	Hotelling's trace	.004	.490 ^a	1.000	137.000	.485
	Roy's largest root	.004	.490 ^a	1.000	137.000	.485

Multivariate Tests

iu_group		Partial Eta Squared
low IU	Pillai's trace	.026
	Wilks' lambda	.026
	Hotelling's trace	.026
	Roy's largest root	.026
high IU	Pillai's trace	.004
	Wilks' lambda	.004
	Hotelling's trace	.004
	Roy's largest root	.004

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	1443.360	117.061	1211.879	1674.840
	2	1362.247	121.256	1122.472	1602.022
high IU	1	851.574	119.616	615.043	1088.106
	2	759.469	123.902	514.462	1004.476

Pairwise Comparisons

Measure: ext_fix_count

time	(I) iu_group	(J) iu_group	Mean Difference (I-J)	Std. Error	Sig. ^b	95% Confidence Interval
						Lower Bound
1	low IU	high IU	591.785 [*]	167.366	.001	260.832
	high IU	low IU	-591.785 [*]	167.366	.001	-922.739
2	low IU	high IU	602.778 [*]	173.363	.001	259.965
	high IU	low IU	-602.778 [*]	173.363	.001	-945.590

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	922.739
	high IU	low IU	-260.832
2	low IU	high IU	945.590
	high IU	low IU	-259.965

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	12164125.42	1	12164125.42	12.502	.001	.084
	Error	133292294.9	137	972936.459			
2	Contrast	12620226.15	1	12620226.15	12.089	.001	.081
	Error	143015675.7	137	1043910.041			

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	1443.360	117.061	1211.879	1674.840
	2	1362.247	121.256	1122.472	1602.022
high IU	1	851.574	119.616	615.043	1088.106
	2	759.469	123.902	514.462	1004.476

Pairwise Comparisons

Measure: ext_fix_count

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	81.112	81.890	.324	-80.819	243.044
	2	1	-81.112	81.890	.324	-243.044	80.819
high IU	1	2	92.105	83.677	.273	-73.360	257.570
	2	1	-92.105	83.677	.273	-257.570	73.360

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	.007	.981 ^a	1.000	137.000	.324
	Wilks' lambda	.993	.981 ^a	1.000	137.000	.324
	Hotelling's trace	.007	.981 ^a	1.000	137.000	.324
	Roy's largest root	.007	.981 ^a	1.000	137.000	.324
high IU	Pillai's trace	.009	1.212 ^a	1.000	137.000	.273
	Wilks' lambda	.991	1.212 ^a	1.000	137.000	.273
	Hotelling's trace	.009	1.212 ^a	1.000	137.000	.273
	Roy's largest root	.009	1.212 ^a	1.000	137.000	.273

Multivariate Tests

iu_group		Partial Eta Squared
low IU	Pillai's trace	.007
	Wilks' lambda	.007
	Hotelling's trace	.007
	Roy's largest root	.007
high IU	Pillai's trace	.009
	Wilks' lambda	.009
	Hotelling's trace	.009
	Roy's largest root	.009

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	1099.096	76.729	947.369	1250.823
	2	1060.484	90.445	881.637	1239.332
2	1	1195.838	105.282	987.650	1404.025
	2	1061.232	98.307	866.837	1255.627

Pairwise Comparisons

Measure: ext_fix_count

time	(I) stimulus	(J) stimulus	Mean Difference (I-J)	Std. Error	Sig. ^a	95% Confidence Interval
						Lower Bound
1	1	2	-96.741	77.020	.211	-249.043
	2	1	96.741	77.020	.211	-55.560
2	1	2	-.748	75.062	.992	-149.179
	2	1	.748	75.062	.992	-147.683

Pairwise Comparisons

Measure: ext_fix_count

time	(I) stimulus	(J) stimulus	95% Confidence Interval for ^a .
			Upper Bound
1	1	2	55.560
	2	1	249.043
2	1	2	147.683
	2	1	149.179

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	1.578 ^a	1.000	137.000	.211	.011
	Wilks' lambda	.989	1.578 ^a	1.000	137.000	.211	.011
	Hotelling's trace	.012	1.578 ^a	1.000	137.000	.211	.011
	Roy's largest root	.012	1.578 ^a	1.000	137.000	.211	.011
2	Pillai's trace	.000	.000 ^a	1.000	137.000	.992	.000
	Wilks' lambda	1.000	.000 ^a	1.000	137.000	.992	.000
	Hotelling's trace	.000	.000 ^a	1.000	137.000	.992	.000
	Roy's largest root	.000	.000 ^a	1.000	137.000	.992	.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_count

stimulus	time	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
1	1	1099.096	76.729	947.369	1250.823
	2	1060.484	90.445	881.637	1239.332
2	1	1195.838	105.282	987.650	1404.025
	2	1061.232	98.307	866.837	1255.627

Pairwise Comparisons

Measure: ext_fix_count

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	38.612	75.762	.611	-111.203	188.426
	2	1	-38.612	75.762	.611	-188.426	111.203
2	1	2	134.605	77.408	.084	-18.464	287.675
	2	1	-134.605	77.408	.084	-287.675	18.464

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	.260 ^a	1.000	137.000	.611	.002
	Wilks' lambda	.998	.260 ^a	1.000	137.000	.611	.002
	Hotelling's trace	.002	.260 ^a	1.000	137.000	.611	.002
	Roy's largest root	.002	.260 ^a	1.000	137.000	.611	.002
2	Pillai's trace	.022	3.024 ^a	1.000	137.000	.084	.022
	Wilks' lambda	.978	3.024 ^a	1.000	137.000	.084	.022
	Hotelling's trace	.022	3.024 ^a	1.000	137.000	.084	.022
	Roy's largest root	.022	3.024 ^a	1.000	137.000	.084	.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_count

iu_group	stimulus	time	Mean	Std. Error	95% Confidence Interval	
					Lower Bound	Upper Bound
low IU	1	1	1328.309	107.334	1116.062	1540.555
		2	1321.936	126.520	1071.751	1572.121
	2	1	1558.410	147.275	1267.184	1849.637
		2	1402.558	137.519	1130.625	1674.492
high IU	1	1	869.883	109.677	653.006	1086.761
		2	799.033	129.281	543.389	1054.677
	2	1	833.265	150.489	535.684	1130.846
		2	719.906	140.519	442.039	997.773

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	458.425 [*]	153.459	.003	154.971
		high IU	low IU	-458.425 [*]	153.459	.003	-761.880
	2	low IU	high IU	522.904 [*]	180.889	.004	165.208
		high IU	low IU	-522.904 [*]	180.889	.004	-880.599
2	1	low IU	high IU	725.145 [*]	210.563	.001	308.771
		high IU	low IU	-725.145 [*]	210.563	.001	-1141.520
	2	low IU	high IU	682.652 [*]	196.614	.001	293.862
		high IU	low IU	-682.652 [*]	196.614	.001	-1071.443

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	761.880
		high IU	low IU	-154.971
	2	low IU	high IU	880.599
		high IU	low IU	-165.208
2	1	low IU	high IU	1141.520
		high IU	low IU	-308.771
	2	low IU	high IU	1071.443
		high IU	low IU	-293.862

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	7299446.285	1	7299446.285	8.924	.003
		Error	112061603.0	137	817967.905		
	2	Contrast	9497207.145	1	9497207.145	8.356	.004
		Error	155703308.7	137	1136520.501		
2	1	Contrast	18264276.73	1	18264276.73	11.860	.001
		Error	210978527.5	137	1539989.252		
	2	Contrast	16186440.94	1	16186440.94	12.055	.001
		Error	183950711.2	137	1342705.921		

Univariate Tests

Measure: ext_fix_count

stimulus	time		Partial Eta Squared
1	1	Contrast	.061
		Error	
	2	Contrast	.057
		Error	
2	1	Contrast	.080
		Error	
	2	Contrast	.081
		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	1328.309	107.334	1116.062	1540.555
		2	1321.936	126.520	1071.751	1572.121
	2	1	1558.410	147.275	1267.184	1849.637
		2	1402.558	137.519	1130.625	1674.492
high IU	1	1	869.883	109.677	653.006	1086.761
		2	799.033	129.281	543.389	1054.677
	2	1	833.265	150.489	535.684	1130.846
		2	719.906	140.519	442.039	997.773

Pairwise Comparisons

Measure: ext_fix_count

iu_group	time	(I) stimulus	(J) stimulus	Mean Difference (I-J)	Std. Error	Sig. ^b	95% Confidence b...
							Lower Bound
low IU	1	1	2	-230.101 [*]	107.740	.034	-443.151
		2	1	230.101 [*]	107.740	.034	17.052
	2	1	2	-80.622	105.003	.444	-288.257
		2	1	80.622	105.003	.444	-127.013
high IU	1	1	2	36.618	110.091	.740	-181.080
		2	1	-36.618	110.091	.740	-254.317
	2	1	2	79.126	107.294	.462	-133.040
		2	1	-79.126	107.294	.462	-291.292

Pairwise Comparisons

Measure: ext_fix_count

iu_group	time	(I) stimulus	(J) stimulus	95% Confidence Interval for b...
				Upper Bound
low IU	1	1	2	-17.052
		2	1	443.151
	2	1	2	127.013
		2	1	288.257
high IU	1	1	2	254.317
		2	1	181.080
	2	1	2	291.292
		2	1	133.040

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	.032	4.561 ^a	1.000	137.000	.034
		Wilks' lambda	.968	4.561 ^a	1.000	137.000	.034
		Hotelling's trace	.033	4.561 ^a	1.000	137.000	.034
		Roy's largest root	.033	4.561 ^a	1.000	137.000	.034
	2	Pillai's trace	.004	.590 ^a	1.000	137.000	.444
		Wilks' lambda	.996	.590 ^a	1.000	137.000	.444
		Hotelling's trace	.004	.590 ^a	1.000	137.000	.444
		Roy's largest root	.004	.590 ^a	1.000	137.000	.444
high IU	1	Pillai's trace	.001	.111 ^a	1.000	137.000	.740
		Wilks' lambda	.999	.111 ^a	1.000	137.000	.740
		Hotelling's trace	.001	.111 ^a	1.000	137.000	.740
		Roy's largest root	.001	.111 ^a	1.000	137.000	.740
	2	Pillai's trace	.004	.544 ^a	1.000	137.000	.462
		Wilks' lambda	.996	.544 ^a	1.000	137.000	.462
		Hotelling's trace	.004	.544 ^a	1.000	137.000	.462
		Roy's largest root	.004	.544 ^a	1.000	137.000	.462

Multivariate Tests

iu_group	time		Partial Eta Squared
low IU	1	Pillai's trace	.032
		Wilks' lambda	.032
		Hotelling's trace	.032
		Roy's largest root	.032
	2	Pillai's trace	.004
		Wilks' lambda	.004
		Hotelling's trace	.004
		Roy's largest root	.004
high IU	1	Pillai's trace	.001
		Wilks' lambda	.001
		Hotelling's trace	.001
		Roy's largest root	.001
	2	Pillai's trace	.004
		Wilks' lambda	.004
		Hotelling's trace	.004
		Roy's largest root	.004

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	1328.309	107.334	1116.062	1540.555
		2	1321.936	126.520	1071.751	1572.121
	2	1	1558.410	147.275	1267.184	1849.637
		2	1402.558	137.519	1130.625	1674.492
high IU	1	1	869.883	109.677	653.006	1086.761
		2	799.033	129.281	543.389	1054.677
	2	1	833.265	150.489	535.684	1130.846
		2	719.906	140.519	442.039	997.773

Pairwise Comparisons

Measure: ext_fix_count

iu_group	stimulus	(I) time	(J) time	Mean Difference (I-J)	Std. Error	Sig. ^a	95% Confidence ...
							Lower Bound
low IU	1	1	2	6.373	105.981	.952	-203.198
		2	1	-6.373	105.981	.952	-215.944
	2	1	2	155.852	108.284	.152	-58.272
		2	1	-155.852	108.284	.152	-369.976
high IU	1	1	2	70.851	108.294	.514	-143.293
		2	1	-70.851	108.294	.514	-284.995
	2	1	2	113.359	110.647	.307	-105.437
		2	1	-113.359	110.647	.307	-332.155

Pairwise Comparisons

Measure: ext_fix_count

				95% Confidence Interval for ^a
iu_group	stimulus	(I) time	(J) time	Upper Bound
low IU	1	1	2	215.944
		2	1	203.198
	2	1	2	369.976
		2	1	58.272
high IU	1	1	2	284.995
		2	1	143.293
	2	1	2	332.155
		2	1	105.437

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	.004 ^a	1.000	137.000	.952
		Wilks' lambda	1.000	.004 ^a	1.000	137.000	.952
		Hotelling's trace	.000	.004 ^a	1.000	137.000	.952
		Roy's largest root	.000	.004 ^a	1.000	137.000	.952
	2	Pillai's trace	.015	2.072 ^a	1.000	137.000	.152
		Wilks' lambda	.985	2.072 ^a	1.000	137.000	.152
		Hotelling's trace	.015	2.072 ^a	1.000	137.000	.152
		Roy's largest root	.015	2.072 ^a	1.000	137.000	.152
high IU	1	Pillai's trace	.003	.428 ^a	1.000	137.000	.514
		Wilks' lambda	.997	.428 ^a	1.000	137.000	.514
		Hotelling's trace	.003	.428 ^a	1.000	137.000	.514
		Roy's largest root	.003	.428 ^a	1.000	137.000	.514
	2	Pillai's trace	.008	1.050 ^a	1.000	137.000	.307
		Wilks' lambda	.992	1.050 ^a	1.000	137.000	.307
		Hotelling's trace	.008	1.050 ^a	1.000	137.000	.307
		Roy's largest root	.008	1.050 ^a	1.000	137.000	.307

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	.015
		Wilks' lambda	.015
		Hotelling's trace	.015
		Roy's largest root	.015
high IU	1	Pillai's trace	.003
		Wilks' lambda	.003
		Hotelling's trace	.003
		Roy's largest root	.003
	2	Pillai's trace	.008
		Wilks' lambda	.008
		Hotelling's trace	.008
		Roy's largest root	.008

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
/WSFACTOR=stimulus 2 Polynomial time 2 POLYNOMIAL
/MEASURE=ext_fix_count
/METHOD=SSTYPE(3)
/POSTHOC=iu_group(BONFERRONI)
/EMMEANS=TABLES(OVERALL)
/EMMEANS=TABLES(iu_group) COMPARE ADJ(BONFERRONI)
/EMMEANS=TABLES(stimulus) COMPARE ADJ(BONFERRONI)
/EMMEANS=TABLES(time) COMPARE ADJ(BONFERRONI)
/EMMEANS=TABLES(iu_group*stimulus) COMPARE (iu_group) ADJ(BONFERRONI)
/EMMEANS=TABLES(iu_group*stimulus) COMPARE (stimulus) ADJ (BONFERRONI)
```



```

/EMMEANS=TABLES(iu_group*time) COMPARE (iu_group) ADJ (BONFERRONI)
/EMMEANS=TABLES(iu_group*time) COMPARE (time) ADJ (BONFERRONI)
/EMMEANS=TABLES(stimulus*time) COMPARE (stimulus) ADJ (BONFERRONI)
/EMMEANS=TABLES(stimulus*time) COMPARE (time) ADJ (BONFERRONI)
/EMMEANS=TABLES(iu_group*stimulus*time) COMPARE (iu_group) ADJ (BONFERRONI)
/EMMEANS=TABLES(iu_group*stimulus*time) COMPARE (stimulus) ADJ (BONFERRONI)
/EMMEANS=TABLES(iu_group*stimulus*time) COMPARE (time) ADJ (BONFERRONI)
/PRINT=DESCRIPTIVE ETASQ
/CRITERIA=ALPHA(.05)
/WSDESIGN=stimulus time stimulus*time
/DESIGN=iu_group.

```

General Linear Model

Notes

Output Created		25-AUG-2021 15:57:22
Comments		
Input	Data	\\tsclient\Drives\claudia\Desktop\simple_effects\anova_simple_effects.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<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
/WSFACTOR=stimulus 2
Polynomial time 2
POLYNOMIAL

/MEASURE=ext_fix_count
/METHOD=SSTYPE(3)
/POSTHOC=iu_group
(BONFERRONI)
/EMMEANS=TABLES
(OVERALL)
/EMMEANS=TABLES
(iu_group) COMPARE
ADJ(BONFERRONI)
/EMMEANS=TABLES
(stimulus) COMPARE ADJ
(BONFERRONI)
/EMMEANS=TABLES
(time) COMPARE ADJ
(BONFERRONI)
/EMMEANS=TABLES
(iu_group*stimulus)
COMPARE (iu_group)
ADJ(BONFERRONI)
/EMMEANS=TABLES
(iu_group*stimulus)
COMPARE (stimulus) ADJ
(BONFERRONI)
/EMMEANS=TABLES
(iu_group*time)
COMPARE (iu_group)
ADJ (BONFERRONI)
/EMMEANS=TABLES
(iu_group*time)
COMPARE (time) ADJ
(BONFERRONI)
/EMMEANS=TABLES
(stimulus*time)
COMPARE (stimulus) ADJ
(BONFERRONI)
/EMMEANS=TABLES
(stimulus*time)
COMPARE (time) ADJ
(BONFERRONI)
/EMMEANS=TABLES
(iu_group*stimulus*time)
COMPARE (iu_group)
ADJ (BONFERRONI)
/EMMEANS=TABLES
(iu_group*stimulus*time)
COMPARE (stimulus) ADJ
(BONFERRONI)
/EMMEANS=TABLES
(iu_group*stimulus*time)
COMPARE (time) ADJ

```

Notes

Resources	Processor Time	00:00:00.05
	Elapsed Time	00:00:00.17

Warnings

Post hoc tests are not performed for iu_group because there are fewer than three groups.

Within-Subjects Factors

Measure: ext_fix_count

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	.005	.740 ^b	1.000	134.000
	Wilks' Lambda	.995	.740 ^b	1.000	134.000
	Hotelling's Trace	.006	.740 ^b	1.000	134.000
	Roy's Largest Root	.006	.740 ^b	1.000	134.000
stimulus * iu_group	Pillai's Trace	.012	1.687 ^b	1.000	134.000
	Wilks' Lambda	.988	1.687 ^b	1.000	134.000
	Hotelling's Trace	.013	1.687 ^b	1.000	134.000
	Roy's Largest Root	.013	1.687 ^b	1.000	134.000
time	Pillai's Trace	.002	.275 ^b	1.000	134.000
	Wilks' Lambda	.998	.275 ^b	1.000	134.000
	Hotelling's Trace	.002	.275 ^b	1.000	134.000
	Roy's Largest Root	.002	.275 ^b	1.000	134.000
time * iu_group	Pillai's Trace	.001	.131 ^b	1.000	134.000
	Wilks' Lambda	.999	.131 ^b	1.000	134.000
	Hotelling's Trace	.001	.131 ^b	1.000	134.000
	Roy's Largest Root	.001	.131 ^b	1.000	134.000
stimulus * time	Pillai's Trace	.001	.077 ^b	1.000	134.000
	Wilks' Lambda	.999	.077 ^b	1.000	134.000

Multivariate Tests^a

Effect		Sig.	Partial Eta Squared
stimulus	Pillai's Trace	.391	.005
	Wilks' Lambda	.391	.005
	Hotelling's Trace	.391	.005
	Roy's Largest Root	.391	.005
stimulus * iu_group	Pillai's Trace	.196	.012
	Wilks' Lambda	.196	.012
	Hotelling's Trace	.196	.012
	Roy's Largest Root	.196	.012
time	Pillai's Trace	.601	.002
	Wilks' Lambda	.601	.002
	Hotelling's Trace	.601	.002
	Roy's Largest Root	.601	.002
time * iu_group	Pillai's Trace	.718	.001
	Wilks' Lambda	.718	.001
	Hotelling's Trace	.718	.001
	Roy's Largest Root	.718	.001
stimulus * time	Pillai's Trace	.781	.001
	Wilks' Lambda	.781	.001

Multivariate Tests^a

Effect		Value	F	Hypothesis df	Error df
	Hotelling's Trace	.001	.077 ^b	1.000	134.000
	Roy's Largest Root	.001	.077 ^b	1.000	134.000
stimulus * time * iu_group	Pillai's Trace	.005	.609 ^b	1.000	134.000
	Wilks' Lambda	.995	.609 ^b	1.000	134.000
	Hotelling's Trace	.005	.609 ^b	1.000	134.000
	Roy's Largest Root	.005	.609 ^b	1.000	134.000

Multivariate Tests^a

Effect		Sig.	Partial Eta Squared
	Hotelling's Trace	.781	.001
	Roy's Largest Root	.781	.001
stimulus * time * iu_group	Pillai's Trace	.437	.005
	Wilks' Lambda	.437	.005
	Hotelling's Trace	.437	.005
	Roy's Largest Root	.437	.005

- a. Design: Intercept + 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 + 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	1.183	1	1.183	.740
	Greenhouse-Geisser	1.183	1.000	1.183	.740
	Huynh-Feldt	1.183	1.000	1.183	.740
	Lower-bound	1.183	1.000	1.183	.740
stimulus * iu_group	Sphericity Assumed	2.697	1	2.697	1.687
	Greenhouse-Geisser	2.697	1.000	2.697	1.687
	Huynh-Feldt	2.697	1.000	2.697	1.687
	Lower-bound	2.697	1.000	2.697	1.687
Error(stimulus)	Sphericity Assumed	214.220	134	1.599	
	Greenhouse-Geisser	214.220	134.000	1.599	
	Huynh-Feldt	214.220	134.000	1.599	
	Lower-bound	214.220	134.000	1.599	
time	Sphericity Assumed	.436	1	.436	.275
	Greenhouse-Geisser	.436	1.000	.436	.275
	Huynh-Feldt	.436	1.000	.436	.275
	Lower-bound	.436	1.000	.436	.275
time * iu_group	Sphericity Assumed	.208	1	.208	.131
	Greenhouse-Geisser	.208	1.000	.208	.131
	Huynh-Feldt	.208	1.000	.208	.131
	Lower-bound	.208	1.000	.208	.131
Error(time)	Sphericity Assumed	212.680	134	1.587	
	Greenhouse-Geisser	212.680	134.000	1.587	
	Huynh-Feldt	212.680	134.000	1.587	
	Lower-bound	212.680	134.000	1.587	
stimulus * time	Sphericity Assumed	.105	1	.105	.077
	Greenhouse-Geisser	.105	1.000	.105	.077
	Huynh-Feldt	.105	1.000	.105	.077
	Lower-bound	.105	1.000	.105	.077
stimulus * time * iu_group	Sphericity Assumed	.826	1	.826	.609
	Greenhouse-Geisser	.826	1.000	.826	.609
	Huynh-Feldt	.826	1.000	.826	.609
	Lower-bound	.826	1.000	.826	.609
Error(stimulus*time)	Sphericity Assumed	181.821	134	1.357	
	Greenhouse-Geisser	181.821	134.000	1.357	

Tests of Within-Subjects Effects

Measure: ext_fix_count

Source		Sig.	Partial Eta Squared
stimulus	Sphericity Assumed	.391	.005
	Greenhouse-Geisser	.391	.005
	Huynh-Feldt	.391	.005
	Lower-bound	.391	.005
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		
	Huynh-Feldt		
	Lower-bound		
time	Sphericity Assumed	.601	.002
	Greenhouse-Geisser	.601	.002
	Huynh-Feldt	.601	.002
	Lower-bound	.601	.002
time * iu_group	Sphericity Assumed	.718	.001
	Greenhouse-Geisser	.718	.001
	Huynh-Feldt	.718	.001
	Lower-bound	.718	.001
Error(time)	Sphericity Assumed		
	Greenhouse-Geisser		
	Huynh-Feldt		
	Lower-bound		
stimulus * time	Sphericity Assumed	.781	.001
	Greenhouse-Geisser	.781	.001
	Huynh-Feldt	.781	.001
	Lower-bound	.781	.001
stimulus * time * iu_group	Sphericity Assumed	.437	.005
	Greenhouse-Geisser	.437	.005
	Huynh-Feldt	.437	.005
	Lower-bound	.437	.005
Error(stimulus*time)	Sphericity Assumed		
	Greenhouse-Geisser		

Tests of Within-Subjects Effects

Measure: ext_fix_count

Source		Type III Sum of Squares	df	Mean Square	F
Huynh-Feldt		181.821	134.000	1.357	
Lower-bound		181.821	134.000	1.357	

Tests of Within-Subjects Effects

Measure: ext_fix_count

Source		Sig.	Partial Eta Squared
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		1.183	1	1.183	.740
stimulus * iu_group	Linear		2.697	1	2.697	1.687
Error(stimulus)	Linear		214.220	134	1.599	
time		Linear	.436	1	.436	.275
time * iu_group		Linear	.208	1	.208	.131
Error(time)		Linear	212.680	134	1.587	
stimulus * time	Linear	Linear	.105	1	.105	.077
stimulus * time * iu_group	Linear	Linear	.826	1	.826	.609
Error(stimulus*time)	Linear	Linear	181.821	134	1.357	

Tests of Within-Subjects Contrasts

Measure: ext_fix_count

Source	stimulus	time	Sig.	Partial Eta Squared
stimulus	Linear		.391	.005
stimulus * iu_group	Linear		.196	.012
Error(stimulus)	Linear			
time		Linear	.601	.002
time * iu_group		Linear	.718	.001
Error(time)		Linear		
stimulus * time	Linear	Linear	.781	.001
stimulus * time * iu_group	Linear	Linear	.437	.005
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	5152.489	1	5152.489	553.892	.000	.805
iu_group	29.492	1	29.492	3.170	.077	.023
Error	1246.513	134	9.302			

Estimated Marginal Means

1. Grand Mean

Measure: ext_fix_count

Mean	Std. Error	95% Confidence Interval	
		Lower Bound	Upper Bound
3.078	.131	2.819	3.337

2. iu_group

Estimates

Measure: ext_fix_count

iu_group	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
low IU	2.845	.184	2.482	3.208
high IU	3.311	.186	2.942	3.679

Pairwise Comparisons

Measure: ext_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	-.466	.262	.077	-.983	.052
high IU	low IU	.466	.262	.077	-.052	.983

Based on estimated marginal means

a. Adjustment for multiple comparisons: Bonferroni.

Univariate Tests

Measure: ext_fix_count

	Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Contrast	7.373	1	7.373	3.170	.077	.023
Error	311.628	134	2.326			

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	3.031	.140	2.754	3.309
2	3.125	.143	2.842	3.407

Pairwise Comparisons

Measure: ext_fix_count

(I) stimulus	(J) stimulus	Mean Difference (I-J)	Std. Error	Sig. ^a	95% Confidence Interval for Difference ^a	
					Lower Bound	Upper Bound
1	2	-.093	.108	.391	-.308	.121
2	1	.093	.108	.391	-.121	.308

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	.740 ^a	1.000	134.000	.391	.005
Wilks' lambda	.995	.740 ^a	1.000	134.000	.391	.005
Hotelling's trace	.006	.740 ^a	1.000	134.000	.391	.005
Roy's largest root	.006	.740 ^a	1.000	134.000	.391	.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_count

time	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	3.106	.132	2.845	3.368
2	3.050	.150	2.752	3.347

Pairwise Comparisons

Measure: ext_fix_count

(I) time	(J) time	Mean Difference (I-J)	Std. Error	Sig. ^a	95% Confidence Interval for Difference ^a	
					Lower Bound	Upper Bound
1	2	.057	.108	.601	-.157	.270
2	1	-.057	.108	.601	-.270	.157

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	.275 ^a	1.000	134.000	.601	.002
Wilks' lambda	.998	.275 ^a	1.000	134.000	.601	.002
Hotelling's trace	.002	.275 ^a	1.000	134.000	.601	.002
Roy's largest root	.002	.275 ^a	1.000	134.000	.601	.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_fix_count

iu_group	stimulus	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
low IU	1	2.869	.197	2.480	3.258
	2	2.821	.201	2.424	3.218
high IU	1	3.194	.200	2.799	3.589
	2	3.428	.204	3.025	3.831

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	-.325	.280	.249	-.879
	high IU	low IU	.325	.280	.249	-.230
2	low IU	high IU	-.607 [*]	.286	.036	-1.172
	high IU	low IU	.607 [*]	.286	.036	.041

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	.230
	high IU	low IU	.879
2	low IU	high IU	-.041
	high IU	low IU	1.172

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	3.588	1	3.588	1.342	.249	.010
	Error	358.176	134	2.673			
2	Contrast	12.507	1	12.507	4.503	.036	.033
	Error	372.191	134	2.778			

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	2.869	.197	2.480	3.258
	2	2.821	.201	2.424	3.218
high IU	1	3.194	.200	2.799	3.589
	2	3.428	.204	3.025	3.831

Pairwise Comparisons

Measure: ext_fix_count

iu_group	(I) stimulus	(J) stimulus	Mean Difference (I-J)	Std. Error	Sig. ^a	95% Confidence Interval for ...
						Lower Bound
low IU	1	2	.048	.152	.755	-.253
	2	1	-.048	.152	.755	-.349
high IU	1	2	-.234	.154	.132	-.540
	2	1	.234	.154	.132	-.071

Pairwise Comparisons

Measure: ext_fix_count

iu_group	(I) stimulus	(J) stimulus	95% Confidence Interval for ...
			Upper Bound
low IU	1	2	.349
	2	1	.253
high IU	1	2	.071
	2	1	.540

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	.001	.098 ^a	1.000	134.000	.755
	Wilks' lambda	.999	.098 ^a	1.000	134.000	.755
	Hotelling's trace	.001	.098 ^a	1.000	134.000	.755
	Roy's largest root	.001	.098 ^a	1.000	134.000	.755
high IU	Pillai's trace	.017	2.297 ^a	1.000	134.000	.132
	Wilks' lambda	.983	2.297 ^a	1.000	134.000	.132
	Hotelling's trace	.017	2.297 ^a	1.000	134.000	.132
	Roy's largest root	.017	2.297 ^a	1.000	134.000	.132

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	.017
	Wilks' lambda	.017
	Hotelling's trace	.017
	Roy's largest root	.017

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	2.893	.186	2.526	3.260
	2	2.797	.211	2.380	3.214
high IU	1	3.320	.188	2.947	3.692
	2	3.302	.214	2.879	3.725

Pairwise Comparisons

Measure: ext_fix_count

time	(I) iu_group	(J) iu_group	Mean Difference (I-J)	Std. Error	Sig. ^a	95% Confidence Interval
						Lower Bound
1	low IU	high IU	-.427	.264	.109	-.949
	high IU	low IU	.427	.264	.109	-.096
2	low IU	high IU	-.505	.300	.095	-1.099
	high IU	low IU	.505	.300	.095	-.089

Pairwise Comparisons

Measure: ext_fix_count

time	(I) iu_group	(J) iu_group	95% Confidence Interval for ^a
			Upper Bound
1	low IU	high IU	.096
	high IU	low IU	.949
2	low IU	high IU	.089
	high IU	low IU	1.099

Based on estimated marginal means

a. 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	6.187	1	6.187	2.604	.109	.019
	Error	318.351	134	2.376			
2	Contrast	8.664	1	8.664	2.823	.095	.021
	Error	411.245	134	3.069			

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	2.893	.186	2.526	3.260
	2	2.797	.211	2.380	3.214
high IU	1	3.320	.188	2.947	3.692
	2	3.302	.214	2.879	3.725

Pairwise Comparisons

Measure: ext_fix_count

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	.096	.152	.529	-.204	.396
	2	1	-.096	.152	.529	-.396	.204
high IU	1	2	.018	.154	.910	-.287	.322
	2	1	-.018	.154	.910	-.322	.287

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	.003	.398 ^a	1.000	134.000	.529
	Wilks' lambda	.997	.398 ^a	1.000	134.000	.529
	Hotelling's trace	.003	.398 ^a	1.000	134.000	.529
	Roy's largest root	.003	.398 ^a	1.000	134.000	.529
high IU	Pillai's trace	.000	.013 ^a	1.000	134.000	.910
	Wilks' lambda	1.000	.013 ^a	1.000	134.000	.910
	Hotelling's trace	.000	.013 ^a	1.000	134.000	.910
	Roy's largest root	.000	.013 ^a	1.000	134.000	.910

Multivariate Tests

iu_group		Partial Eta Squared
low IU	Pillai's trace	.003
	Wilks' lambda	.003
	Hotelling's trace	.003
	Roy's largest root	.003
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 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	3.073	.156	2.766	3.381
	2	2.989	.165	2.663	3.315
2	1	3.139	.147	2.848	3.430
	2	3.110	.170	2.775	3.446

Pairwise Comparisons

Measure: ext_fix_count

time	(I) stimulus	(J) stimulus	Mean Difference (I-J)	Std. Error	Sig. ^a	95% Confidence Interval
						Lower Bound
1	1	2	-.065	.148	.659	-.358
	2	1	.065	.148	.659	-.227
2	1	2	-.121	.147	.411	-.412
	2	1	.121	.147	.411	-.170

Pairwise Comparisons

Measure: ext_fix_count

time	(I) stimulus	(J) stimulus	95% Confidence Interval for ^a .
			Upper Bound
1	1	2	.227
	2	1	.358
2	1	2	.170
	2	1	.412

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	.001	.196 ^a	1.000	134.000	.659	.001
	Wilks' lambda	.999	.196 ^a	1.000	134.000	.659	.001
	Hotelling's trace	.001	.196 ^a	1.000	134.000	.659	.001
	Roy's largest root	.001	.196 ^a	1.000	134.000	.659	.001
2	Pillai's trace	.005	.679 ^a	1.000	134.000	.411	.005
	Wilks' lambda	.995	.679 ^a	1.000	134.000	.411	.005
	Hotelling's trace	.005	.679 ^a	1.000	134.000	.411	.005
	Roy's largest root	.005	.679 ^a	1.000	134.000	.411	.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_fix_count

stimulus	time	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
1	1	3.073	.156	2.766	3.381
	2	2.989	.165	2.663	3.315
2	1	3.139	.147	2.848	3.430
	2	3.110	.170	2.775	3.446

Pairwise Comparisons

Measure: ext_fix_count

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	.084	.155	.588	-.223	.392
	2	1	-.084	.155	.588	-.392	.223
2	1	2	.029	.138	.835	-.245	.303
	2	1	-.029	.138	.835	-.303	.245

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	.295 ^a	1.000	134.000	.588	.002
	Wilks' lambda	.998	.295 ^a	1.000	134.000	.588	.002
	Hotelling's trace	.002	.295 ^a	1.000	134.000	.588	.002
	Roy's largest root	.002	.295 ^a	1.000	134.000	.588	.002
2	Pillai's trace	.000	.043 ^a	1.000	134.000	.835	.000
	Wilks' lambda	1.000	.043 ^a	1.000	134.000	.835	.000
	Hotelling's trace	.000	.043 ^a	1.000	134.000	.835	.000
	Roy's largest root	.000	.043 ^a	1.000	134.000	.835	.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_fix_count

iu_group	stimulus	time	Mean	Std. Error	95% Confidence Interval	
					Lower Bound	Upper Bound
low IU	1	1	2.970	.218	2.537	3.402
		2	2.768	.231	2.311	3.226
	2	1	2.816	.207	2.408	3.225
		2	2.826	.238	2.355	3.297
high IU	1	1	3.177	.222	2.739	3.616
		2	3.210	.235	2.746	3.674
	2	1	3.462	.210	3.047	3.876
		2	3.394	.242	2.916	3.872

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	-.208	.311	.505	-.823
		high IU	low IU	.208	.311	.505	-.408
	2	low IU	high IU	-.442	.330	.182	-1.094
		high IU	low IU	.442	.330	.182	-.210
2	1	low IU	high IU	-.645 [*]	.294	.030	-1.228
		high IU	low IU	.645 [*]	.294	.030	.063
	2	low IU	high IU	-.568	.339	.097	-1.239
		high IU	low IU	.568	.339	.097	-.103

Pairwise Comparisons

Measure: ext_fix_count

				95% Confidence Interval for ^b ...
stimulus	time	(I) iu_group	(J) iu_group	Upper Bound
1	1	low IU	high IU	.408
		high IU	low IU	.823
	2	low IU	high IU	.210
		high IU	low IU	1.094
2	1	low IU	high IU	-.063
		high IU	low IU	1.228
	2	low IU	high IU	.103
		high IU	low IU	1.239

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	1.468	1	1.468	.446	.505
		Error	441.258	134	3.293		
	2	Contrast	6.639	1	6.639	1.797	.182
		Error	494.942	134	3.694		
2	1	Contrast	14.159	1	14.159	4.805	.030
		Error	394.833	134	2.947		
	2	Contrast	10.957	1	10.957	2.801	.097
		Error	524.201	134	3.912		

Univariate Tests

Measure: ext_fix_count

stimulus	time		Partial Eta Squared
1	1	Contrast	.003
		Error	
	2	Contrast	.013
		Error	
2	1	Contrast	.035
		Error	
	2	Contrast	.020
		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	2.970	.218	2.537	3.402
		2	2.768	.231	2.311	3.226
	2	1	2.816	.207	2.408	3.225
		2	2.826	.238	2.355	3.297
high IU	1	1	3.177	.222	2.739	3.616
		2	3.210	.235	2.746	3.674
	2	1	3.462	.210	3.047	3.876
		2	3.394	.242	2.916	3.872

Pairwise Comparisons

Measure: ext_fix_count

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	.153	.208	.462	-.257
		2	1	-.153	.208	.462	-.564
	2	1	2	-.058	.206	.778	-.466
		2	1	.058	.206	.778	-.350
high IU	1	1	2	-.284	.211	.180	-.701
		2	1	.284	.211	.180	-.133
	2	1	2	-.184	.209	.381	-.598
		2	1	.184	.209	.381	-.230

Pairwise Comparisons

Measure: ext_fix_count

iu_group	time	(I) stimulus	(J) stimulus	95% Confidence Interval for a...
				Upper Bound
low IU	1	1	2	.564
		2	1	.257
	2	1	2	.350
		2	1	.466
high IU	1	1	2	.133
		2	1	.701
	2	1	2	.230
		2	1	.598

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	.004	.545 ^a	1.000	134.000	.462
		Wilks' lambda	.996	.545 ^a	1.000	134.000	.462
		Hotelling's trace	.004	.545 ^a	1.000	134.000	.462
		Roy's largest root	.004	.545 ^a	1.000	134.000	.462
	2	Pillai's trace	.001	.079 ^a	1.000	134.000	.778
		Wilks' lambda	.999	.079 ^a	1.000	134.000	.778
		Hotelling's trace	.001	.079 ^a	1.000	134.000	.778
		Roy's largest root	.001	.079 ^a	1.000	134.000	.778
high IU	1	Pillai's trace	.013	1.819 ^a	1.000	134.000	.180
		Wilks' lambda	.987	1.819 ^a	1.000	134.000	.180
		Hotelling's trace	.014	1.819 ^a	1.000	134.000	.180
		Roy's largest root	.014	1.819 ^a	1.000	134.000	.180
	2	Pillai's trace	.006	.773 ^a	1.000	134.000	.381
		Wilks' lambda	.994	.773 ^a	1.000	134.000	.381
		Hotelling's trace	.006	.773 ^a	1.000	134.000	.381
		Roy's largest root	.006	.773 ^a	1.000	134.000	.381

Multivariate Tests

iu_group	time		Partial Eta Squared
low IU	1	Pillai's trace	.004
		Wilks' lambda	.004
		Hotelling's trace	.004
		Roy's largest root	.004
	2	Pillai's trace	.001
		Wilks' lambda	.001
		Hotelling's trace	.001
		Roy's largest root	.001
high IU	1	Pillai's trace	.013
		Wilks' lambda	.013
		Hotelling's trace	.013
		Roy's largest root	.013
	2	Pillai's trace	.006
		Wilks' lambda	.006
		Hotelling's trace	.006
		Roy's largest root	.006

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	2.970	.218	2.537	3.402
		2	2.768	.231	2.311	3.226
	2	1	2.816	.207	2.408	3.225
		2	2.826	.238	2.355	3.297
high IU	1	1	3.177	.222	2.739	3.616
		2	3.210	.235	2.746	3.674
	2	1	3.462	.210	3.047	3.876
		2	3.394	.242	2.916	3.872

Pairwise Comparisons

Measure: ext_fix_count

iu_group	stimulus	(I) time	(J) time	Mean Difference (I-J)	Std. Error	Sig. ^a	95% Confidence ... Lower Bound
low IU	1	1	2	.201	.218	.357	-.230
		2	1	-.201	.218	.357	-.633
	2	1	2	-.010	.194	.959	-.394
		2	1	.010	.194	.959	-.374
high IU	1	1	2	-.033	.221	.883	-.470
		2	1	.033	.221	.883	-.405
	2	1	2	.068	.197	.732	-.322
		2	1	-.068	.197	.732	-.458

Pairwise Comparisons

Measure: ext_fix_count

				95% Confidence Interval for ^a
iu_group	stimulus	(I) time	(J) time	Upper Bound
low IU	1	1	2	.633
		2	1	.230
	2	1	2	.374
		2	1	.394
high IU	1	1	2	.405
		2	1	.470
	2	1	2	.458
		2	1	.322

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	.006	.853 ^a	1.000	134.000	.357
		Wilks' lambda	.994	.853 ^a	1.000	134.000	.357
		Hotelling's trace	.006	.853 ^a	1.000	134.000	.357
		Roy's largest root	.006	.853 ^a	1.000	134.000	.357
	2	Pillai's trace	.000	.003 ^a	1.000	134.000	.959
		Wilks' lambda	1.000	.003 ^a	1.000	134.000	.959
		Hotelling's trace	.000	.003 ^a	1.000	134.000	.959
		Roy's largest root	.000	.003 ^a	1.000	134.000	.959
high IU	1	Pillai's trace	.000	.022 ^a	1.000	134.000	.883
		Wilks' lambda	1.000	.022 ^a	1.000	134.000	.883
		Hotelling's trace	.000	.022 ^a	1.000	134.000	.883
		Roy's largest root	.000	.022 ^a	1.000	134.000	.883
	2	Pillai's trace	.001	.118 ^a	1.000	134.000	.732
		Wilks' lambda	.999	.118 ^a	1.000	134.000	.732
		Hotelling's trace	.001	.118 ^a	1.000	134.000	.732
		Roy's largest root	.001	.118 ^a	1.000	134.000	.732

Multivariate Tests

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

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