GET

FILE='C:\Users\Jack Schultz\Desktop\Eye Hand Coordination Experiment\Final S
tatistics\EyeFixationsStdDevs.sav.

DATASET NAME DataSet2 WINDOW=FRONT.

GLM EyeHand EyeAlone EyeCursor
 /WSFACTOR=Condition 3 Polynomial
 /MEASURE=StdDevFixationError
 /METHOD=SSTYPE(3)
 /PLOT=PROFILE(Condition)
 /EMMEANS=TABLES(Condition) COMPARE ADJ(BONFERRONI)
 /PRINT=DESCRIPTIVE ETASQ
 /CRITERIA=ALPHA(.05)

General Linear Model

/WSDESIGN=Condition.

Notes

Output Created		21-JUL-2020 14:12:23		
Comments				
Input	Data	C:\Users\Jack Schultz\Desktop\Eye Hand Coordination Experiment\Final Statistics\EyeFixationsStdDevs.sav		
	Active Dataset	DataSet2		
	Filter	<none></none>		
	Weight	<none></none>		
	Split File	<none></none>		
	N of Rows in Working Data File	7		
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.		
Syntax		GLM EyeHand EyeAlone EyeCursor /WSFACTOR=Condition 3		
		Polynomial /MEASURE=StdDevFixationError /METHOD=SSTYPE(3) /PLOT=PROFILE(Condition) /EMMEANS=TABLES(Condition) COMPARE ADJ(BONFERRONI)		
		/PRINT=DESCRIPTIVE ETASQ /CRITERIA=ALPHA(.05) /WSDESIGN=Condition.		

Notes

Resources	Processor Time	00:00:00.27
	Elapsed Time	00:00:00.11

[DataSet2] C:\Users\Jack Schultz\Desktop\Eye Hand Coordination Experiment\Fina l Statistics\EyeFixationsStdDevs.sav

Within-Subjects Factors

Measure: StdDevFixationErro

Condition	Dependent Variable
1	EyeHand
2	EyeAlone
3	EyeCursor

Descriptive Statistics

	Mean	Std. Deviation	N
EyeHand	.9873	.48276	7
EyeAlone	.8926	.54763	7
EyeCursor	.6744	.25436	7

Multivariate Tests^a

Effect		Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
Condition	Pillai's Trace	.481	2.320 ^b	2.000	5.000	.194	.481
	Wilks' Lambda	.519	2.320 ^b	2.000	5.000	.194	.481
	Hotelling's Trace	.928	2.320 ^b	2.000	5.000	.194	.481
	Roy's Largest Root	.928	2.320 ^b	2.000	5.000	.194	.481

a. Design: Intercept

Within Subjects Design: Condition

b. Exact statistic

Mauchly's Test of Sphericity^a

Measure: StdDevFixationError

					Epsilon ^b		
Within Subjects Effect	Mauchly's W	Approx. Chi- Square	df	Sig.	Greenhouse- Geisser	Huynh-Feldt	Lower-bound
Condition	.831	.928	2	.629	.855	1.000	.500

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

- a. Design: Intercept
 - Within Subjects Design: Condition
- 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: StdDevFixationError

Source		Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Condition	Sphericity Assumed	.360	2	.180	3.394	.068	.361
	Greenhouse-Geisser	.360	1.710	.211	3.394	.079	.361
	Huynh-Feldt	.360	2.000	.180	3.394	.068	.361
	Lower-bound	.360	1.000	.360	3.394	.115	.361
Error(Condition)	Sphericity Assumed	.637	12	.053			
	Greenhouse-Geisser	.637	10.262	.062			
	Huynh-Feldt	.637	12.000	.053			
	Lower-bound	.637	6.000	.106			

Tests of Within-Subjects Contrasts

Measure: StdDevFixationError

Source	Condition	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Condition	Linear	.343	1	.343	5.495	.058	.478
	Quadratic	.018	1	.018	.406	.548	.063
Error(Condition)	Linear	.374	6	.062			
	Quadratic	.263	6	.044			

Tests of Between-Subjects Effects

Measure: StdDevFixationError Transformed Variable: Average

Source	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Intercept	15.224	1	15.224	30.974	.001	.838
Error	2.949	6	.491			

Estimated Marginal Means

Condition

Estimates

Measure: StdDevFixationError

			95% Confidence Interval			
Condition	Mean	Std. Error	Lower Bound	Upper Bound		
1	.987	.182	.541	1.434		
2	.893	.207	.386	1.399		
3	.674	.096	.439	.910		

Pairwise Comparisons

Measure: StdDevFixationError

		Maara			95% Confidence Interval for Difference ^a	
(I) Condition	(J) Condition	Mean Difference (I-J)	Std. Error	Sig. ^a	Lower Bound	Upper Bound
1	2	.095	.095	1.000	216	.406
	3	.313	.133	.173	126	.752
2	1	095	.095	1.000	406	.216
	3	.218	.137	.486	232	.668
3	1	313	.133	.173	752	.126
	2	218	.137	.486	668	.232

Based on estimated marginal means

a. Adjustment for multiple comparisons: Bonferroni.

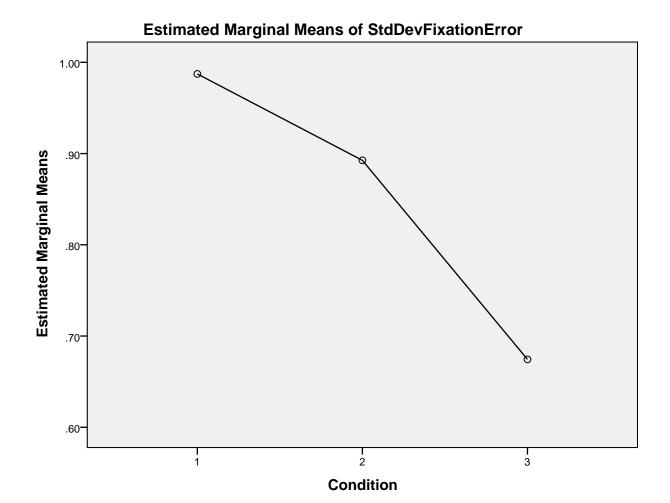
Multivariate Tests

	Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
Pillai's trace	.481	2.320 ^a	2.000	5.000	.194	.481
Wilks' lambda	.519	2.320 ^a	2.000	5.000	.194	.481
Hotelling's trace	.928	2.320 ^a	2.000	5.000	.194	.481
Roy's largest root	.928	2.320 ^a	2.000	5.000	.194	.481

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

a. Exact statistic

Profile Plots



T-TEST PAIRS=EyeHand WITH EyeAlone (PAIRED)
/CRITERIA=CI(.9500)
/MISSING=ANALYSIS.

T-Test

Notes

Output Created		21-JUL-2020 14:12:33
Comments		
Input	Data	C:\Users\Jack Schultz\Desktop\Eye Hand Coordination Experiment\Final Statistics\EyeFixationsStdDevs.sav
	Active Dataset	DataSet2
	Filter	<none></none>
	Weight	<none></none>
	Split File	<none></none>
	N of Rows in Working Data File	7
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis.
Syntax		T-TEST PAIRS=EyeHand WITH EyeAlone (PAIRED) /CRITERIA=CI(.9500) /MISSING=ANALYSIS.
Resources	Processor Time	00:00:00
	Elapsed Time	00:00:00.00

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	EyeHand	.9873	7	.48276	.18247
	EyeAlone	.8926	7	.54763	.20699

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	EyeHand & EyeAlone	7	.890	.007

Paired Samples Test

		Paired Differences							
					95% Confidence Interval of the Difference				
		Mean	Std. Deviation	Std. Error Mean	Lower	Upper	t	df	Sig. (2-tailed)
Pair 1	EyeHand - EyeAlone	.09471	.25026	.09459	13674	.32617	1.001	6	.355

T-Test

Notes

		1
Output Created		21-JUL-2020 14:12:45
Comments		
Input	Data	C:\Users\Jack Schultz\Desktop\Eye Hand Coordination Experiment\Final Statistics\EyeFixationsStdDevs.sav
	Active Dataset	DataSet2
	Filter	<none></none>
	Weight	<none></none>
	Split File	<none></none>
	N of Rows in Working Data File	7
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis.
Syntax		T-TEST PAIRS=EyeHand WITH EyeCursor (PAIRED) /CRITERIA=CI(.9500) /MISSING=ANALYSIS.
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.00

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	EyeHand	.9873	7	.48276	.18247
	EyeCursor	.6744	7	.25436	.09614

Paired Samples Correlations

	N	Correlation	Sig.
Pair 1 EyeHand & EyeCursor	7	.705	.077

Paired Samples Test

				Paired Differen	ces				
					95% Confidence Interval of the Difference				
		Mean	Std. Deviation	Std. Error Mean	Lower	Upper	t	df	Sig. (2-tailed)
Pair 1	EyeHand - EyeCursor	.31286	.35311	.13346	01372	.63943	2.344	6	.058

T-TEST PAIRS=EyeAlone WITH EyeCursor (PAIRED)
/CRITERIA=CI(.9500)
/MISSING=ANALYSIS.

T-Test

Notes

Output Created		21-JUL-2020 14:13:03
Comments		
Input	Data	C:\Users\Jack Schultz\Desktop\Eye Hand Coordination Experiment\Final Statistics\EyeFixationsStdDevs.sav
	Active Dataset	DataSet2
	Filter	<none></none>
	Weight	<none></none>
	Split File	<none></none>
	N of Rows in Working Data File	7
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis.
Syntax		T-TEST PAIRS=EyeAlone WITH EyeCursor (PAIRED) /CRITERIA=CI(.9500) /MISSING=ANALYSIS.
Resources	Processor Time	00:00:00
	Elapsed Time	00:00:00

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	EyeAlone	.8926	7	.54763	.20699
	EyeCursor	.6744	7	.25436	.09614

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	EyeAlone & EyeCursor	7	.838	.019

Paired Samples Test

		Paired Differences							
					95% Confidence Interval of the Difference				
		Mean	Std. Deviation	Std. Error Mean	Lower	Upper	t	df	Sig. (2-tailed)
Pair 1	EyeAlone - EyeCursor	.21814	.36218	.13689	11682	.55310	1.594	6	.162