

General Linear Model

[DataSet1] C:\Users\mack\Desktop\Scott-new\Book2ndEdition\SPSS\dix-example-h10x2b.sav

Within-Subjects Factors

Measure: TaskCompletionTime

Dependent Variable	
IconType	
1	Natural
2	Abstract

Between-Subjects Factors

Value Label		N	
Group	1	AN	5
	2	NA	5

Multivariate Tests^a

Effect		Value	F	Hypothesis df	Error df	Sig.
IconType	Pillai's Trace	.793	30.680 ^b	1.000	8.000	.001
	Wilks' Lambda	.207	30.680 ^b	1.000	8.000	.001
	Hotelling's Trace	3.835	30.680 ^b	1.000	8.000	.001
	Roy's Largest Root	3.835	30.680 ^b	1.000	8.000	.001
IconType * Group	Pillai's Trace	.033	.277 ^b	1.000	8.000	.613
	Wilks' Lambda	.967	.277 ^b	1.000	8.000	.613
	Hotelling's Trace	.035	.277 ^b	1.000	8.000	.613
	Roy's Largest Root	.035	.277 ^b	1.000	8.000	.613

- a. Design: Intercept + Group
 Within Subjects Design: IconType
- b. Exact statistic

Mauchly's Test of Sphericity^a

Measure: TaskCompletionTime

		Approx. Chi-Square	df	Sig.	Epsilon ^b	
Within Subjects Effect	Mauchly's W				Greenhouse-Geisser	Huynh-Feldt
IconType	1.000	.000	0	.	1.000	1.000
					Lower-bound	

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

- a. Design: Intercept + Group
 Within Subjects Design: IconType
- 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: TaskCompletionTime

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
IconType	Sphericity Assumed	13833.800	1	13833.800	30.680	.001
	Greenhouse-Geisser	13833.800	1.000	13833.800	30.680	.001
	Huynh-Feldt	13833.800	1.000	13833.800	30.680	.001
	Lower-bound	13833.800	1.000	13833.800	30.680	.001
IconType * Group	Sphericity Assumed	125.000	1	125.000	.277	.613
	Greenhouse-Geisser	125.000	1.000	125.000	.277	.613
	Huynh-Feldt	125.000	1.000	125.000	.277	.613
	Lower-bound	125.000	1.000	125.000	.277	.613
Error(IconType)	Sphericity Assumed	3607.200	8	450.900		
	Greenhouse-Geisser	3607.200	8.000	450.900		
	Huynh-Feldt	3607.200	8.000	450.900		
	Lower-bound	3607.200	8.000	450.900		

Tests of Within-Subjects Contrasts

Measure: TaskCompletionTime

Source	IconType	Type III Sum of Squares	df	Mean Square	F	Sig.
IconType	Linear	13833.800	1	13833.800	30.680	.001
IconType * Group	Linear	125.000	1	125.000	.277	.613
Error(IconType)	Linear	3607.200	8	450.900		

Tests of Between-Subjects Effects

Measure: TaskCompletionTime

Transformed Variable: Average

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Intercept	10483520.00	1	10483520.00	72.067	.000
Group	67744.800	1	67744.800	.466	.514
Error	1163747.200	8	145468.400		