

General Linear Model

C:\Users\Scott MacKenzie\Desktop\Scott-new\Book2ndEdition\examples_SPSS\anova-ex1.sav

Within-Subjects Factors

Measure: MEASURE_1

Dependent Variable

factor1	
1	A
2	B

Multivariate Tests^a

Effect		Value	F	Hypothesis df	Error df	Sig.
factor1	Pillai's Trace	.521	9.796 ^b	1.000	9.000	.012
	Wilks' Lambda	.479	9.796 ^b	1.000	9.000	.012
	Hotelling's Trace	1.088	9.796 ^b	1.000	9.000	.012
	Roy's Largest Root	1.088	9.796 ^b	1.000	9.000	.012

a. Design: Intercept
Within Subjects Design: factor1

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
factor1	1.000	.000	0	.	1.000

Mauchly's Test of Sphericity^a

Measure: MEASURE_1

Within Subjects Effect	Huynh-Feldt	Epsilon ^b Lower-bound
factor1	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
Within Subjects Design: factor1

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	Sig.
factor1	Sphericity Assumed	4.232	1	4.232	9.796	.012
	Greenhouse-Geisser	4.232	1.000	4.232	9.796	.012
	Huynh-Feldt	4.232	1.000	4.232	9.796	.012
	Lower-bound	4.232	1.000	4.232	9.796	.012
Error(factor1)	Sphericity Assumed	3.888	9	.432		
	Greenhouse-Geisser	3.888	9.000	.432		
	Huynh-Feldt	3.888	9.000	.432		
	Lower-bound	3.888	9.000	.432		

Tests of Within-Subjects Contrasts

Measure: MEASURE_1

Source	factor1	Type III Sum of Squares	df	Mean Square	F	Sig.
factor1	Linear	4.232	1	4.232	9.796	.012
Error(factor1)	Linear	3.888	9	.432		

Tests of Between-Subjects Effects

Measure: MEASURE_1

Transformed Variable: Average

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Intercept	500.000	1	500.000	885.827	<.001
Error	5.080	9	.564		

General Linear Model

Within-Subjects Factors

Measure: MEASURE_1

time	Dependent Variable
1	A
2	B

Multivariate Tests^a

Effect		Value	F	Hypothesis df	Error df	Sig.
time	Pillai's Trace	.521	9.796 ^b	1.000	9.000	.012
	Wilks' Lambda	.479	9.796 ^b	1.000	9.000	.012
	Hotelling's Trace	1.088	9.796 ^b	1.000	9.000	.012
	Roy's Largest Root	1.088	9.796 ^b	1.000	9.000	.012

a. Design: Intercept
Within Subjects Design: time

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
time	1.000	.000	0	.	1.000

Mauchly's Test of Sphericity^a

Measure: MEASURE_1

Within Subjects Effect	Epsilon ^b	
	Huynh-Feldt	Lower-bound
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
Within Subjects Design: 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: MEASURE_1

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
time	Sphericity Assumed	4.232	1	4.232	9.796	.012
	Greenhouse-Geisser	4.232	1.000	4.232	9.796	.012
	Huynh-Feldt	4.232	1.000	4.232	9.796	.012
	Lower-bound	4.232	1.000	4.232	9.796	.012
Error(time)	Sphericity Assumed	3.888	9	.432		
	Greenhouse-Geisser	3.888	9.000	.432		
	Huynh-Feldt	3.888	9.000	.432		
	Lower-bound	3.888	9.000	.432		

Tests of Within-Subjects Contrasts

Measure: MEASURE_1

Source	time	Type III Sum of Squares	df	Mean Square	F	Sig.
time	Linear	4.232	1	4.232	9.796	.012
Error(time)	Linear	3.888	9	.432		

Tests of Between-Subjects Effects

Measure: MEASURE_1

Transformed Variable: Average

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Intercept	500.000	1	500.000	885.827	<.001
Error	5.080	9	.564		