General Linear Model

E:\clients\Anxiety.sav

Warnings

The HOMOGENEITY specification in the PRINT subcommand will be ignored because there are no between-subjects factors.

Within-Subjects Factors

Measure: MEASURE_1

Time	Dependent Variable
1	anxiety_week_before
2	anxiety_day_before
3	anxiety_after_exam

Descriptive Statistics

	Mean	Std. Deviation	N
STAI-State: 1 week before exam	38.2200	1.98247	50
STAI-State: 1 day before exam	60.3800	1.99888	50
STAI-State: Immediately after exam	41.0000	1.72615	50

Multivariate Tests[a]

Effect		Value	F	Hypothesis df	Error df	Sig.
Time	Pillai's Trace	.990	2434.446[b]	2.000	48.000	.000
	Wilks' Lambda	.010	2434.446[b]	2.000	48.000	.000
	Hotelling's Trace	101.435	2434.446[b]	2.000	48.000	.000
	Roy's Largest Root	101.435	2434.446[b]	2.000	48.000	.000

Multivariate Tests[a]

Effect		Partial Eta Squared
Time	Pillai's Trace	.990
	Wilks' Lambda	.990
	Hotelling's Trace	.990
	Roy's Largest Root	.990

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	.574	26.674	2	.000	.701

Mauchly's Test of Sphericity[a]

Measure: MEASURE_1

Within Subjects Effect	Epsilon[b] Huynh-Feldt	Lower-bound
Time	.715	.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: 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	14572.973	2	7286.487	3973.857	.000
	Greenhouse-Geisser	14572.973	1.402	10392.983	3973.857	.000
	Huynh-Feldt	14572.973	1.431	10184.186	3973.857	.000
	Lower-bound	14572.973	1.000	14572.973	3973.857	.000
Error(Time)	Sphericity Assumed	179.693	98	1.834		
	Greenhouse-Geisser	179.693	68.707	2.615		
	Huynh-Feldt	179.693	70.116	2.563		
	Lower-bound	179.693	49.000	3.667		

Tests of Within-Subjects Effects

Measure: MEASURE_1

Source		Partial Eta Squared
Time	Sphericity Assumed	.988
	Greenhouse-Geisser	.988
	Huynh-Feldt	.988
	Lower-bound	.988
Error(Time)	Sphericity Assumed	
	Greenhouse-Geisser	
	Huynh-Feldt	
	Lower-bound	

Tests of Within-Subjects Contrasts

Measure: MEASURE_1

Source	Time	Type III Sum of Squares	df	Mean Square	F	Sig.
Time	Linear	193.210	1	193.210	260.879	.000
	Quadratic	14379.763	1	14379.763	4913.473	.000
Error(Time)	Linear	36.290	49	.741		
	Quadratic	143.403	49	2.927		

Tests of Within-Subjects Contrasts

Measure: MEASURE_1

Source	Time	Partial Eta Squared
Time	Linear	.842
	Quadratic	.990
Error(Time)	Linear	
	Quadratic	

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	324802.667	1	324802.667	44874.053	.000	.999
Error	354.667	49	7.238			

Estimated Marginal Means

Time

Estimates

Measure: MEASURE_1

Time	Mean	Std. Error	95% Confidence Interval Lower Bound	Upper Bound
1	38.220	.280	37.657	38.783
2	60.380	.283	59.812	60.948
3	41.000	.244	40.509	41.491

Pairwise Comparisons

Measure: MEASURE_1

(I) Time	(J) Time	Mean Difference (I-J)	Std. Error	Sig.[b]	95% Confidence Interval for Difference[b] Lower Bound	95% Confidence Interval for Difference[b] Upper Bound
1	2	-22.160*	.335	.000	-22.990	-21.330
	3	-2.780*	.172	.000	-3.207	-2.353
2	1	22.160*	.335	.000	21.330	22.990
	3	19.380*	.280	.000	18.686	20.074
3	1	2.780*	.172	.000	2.353	3.207
	2	-19.380*	.280	.000	-20.074	-18.686

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	.990	2434.446[a]	2.000	48.000	.000	.990
Wilks' lambda	.010	2434.446[a]	2.000	48.000	.000	.990
Hotelling's trace	101.435	2434.446[a]	2.000	48.000	.000	.990
Roy's largest root	101.435	2434.446[a]	2.000	48.000	.000	.990

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

Profile Plots

Estimated Marginal Means of MEASURE_1