

General Linear Model

[DataSet1] C:\Documents and Settings\jelhai\My Documents\My Docs #1\Business\Teaching
 _USD_Multivariate Stats\Computer Examples\Chapter8 Profile Analysis Ex\Ch8 Profile
 Analysis Ex Data.sav

Within-Subjects Factors

Measure: MEASURE_1

TSIscales Variable	Dependent Variable
1 TSIAA	
2 TSID	
3 TSIAI	
4 TSIIE	
5 TSIDA	
6 TSIDIS	
7 TSISC	
8 TSIDSB	
9 TSISIR	
10 TSITRB	

Between-Subjects Factors

	N
combat(1)	170
/civilian(2)	49

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Multivariate Tests^a

Effect	Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared	
TSIscales	Pillai's Trace	.565	30.138 ^a	9.000	209.000	.000	.565
	Wilks' Lambda	.435	30.138 ^a	9.000	209.000	.000	.565
	Hotelling's Trace	1.298	30.138 ^a	9.000	209.000	.000	.565
TSIscales * Group	Roy's Largest Root	1.298	30.138 ^a	9.000	209.000	.000	.565
	Pillai's Trace	.152	4.157 ^a	9.000	209.000	.000	.152
	Wilks' Lambda	.848	4.157 ^a	9.000	209.000	.000	.152
Hotelling's Trace	Hotelling's Trace	.179	4.157 ^a	9.000	209.000	.000	.152
	Roy's Largest Root	.179	4.157 ^a	9.000	209.000	.000	.152

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

Mauchly's Test of Sphericity^b

Measure: MEASURE_1

Within Subjects Effect	Mauchly's W	Approx. Chi- Square	df	Sig.	Epsilon ^a		
					Greenhouse e-Geisser	Huynh- Feldt	Lower-b bound
TSIscales	.100	491.572	44	.000	.624	.645	.111

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

- a. 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.

- b. Design: Intercept+Group
 Within Subjects Design: TSIscales

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Tests of Within-Subjects Effects

Measure: MEASURE_1

Source	Type III Sum of Squares	Type III df	Mean Square	F	Sig.	Partial Eta Squared	
TSIscales	Sphericity Assumed	40465.5	9	4496.17	58.558	.000	.213
	Greenhouse-Geisser	40465.5	5.615	7206.45	58.558	.000	.213
	Huynh-Feldt	40465.5	5.808	6967.20	58.558	.000	.213
	Lower-bound	40465.5	1.000	40465.5	58.558	.000	.213
TSIscales * Group	Sphericity Assumed	2324.285	9	258.254	3.363	.000	.015
	Greenhouse-Geisser	2324.285	5.615	413.929	3.363	.003	.015
	Huynh-Feldt	2324.285	5.808	400.186	3.363	.003	.015
	Lower-bound	2324.285	1.000	2324.28	3.363	.068	.015
Error(TSIscales)	Sphericity Assumed	149955	1953	76.782			
	Greenhouse-Geisser	149955	1218.5	123.066			
	Huynh-Feldt	149955	1260.3	118.980			
	Lower-bound	149955	217.000	691.038			

Tests of Within-Subjects Contrasts

Measure: MEASURE_1

Source	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared	
TSIscales	Linear	11682.5	1	11682.5	91.558	.000	.297
	Quadratic	537.957	1	537.957	8.257	.004	.037
	Cubic	2549.956	1	2549.96	32.600	.000	.131
	Order 4	5809.371	1	5809.37	133.924	.000	.382
	Order 5	5612.642	1	5612.64	78.150	.000	.265

Tests of Within-Subjects Contrasts

Measure: MEASURE_1

Source	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared	
TSIscales	Order 6	7476.548	1	7476.55	75.745	.000	.259
	Order 7	2.009	1	2.009	.023	.879	.000
	Order 8	4218.585	1	4218.59	62.630	.000	.224
	Order 9	2575.958	1	2575.96	48.971	.000	.184
TSIscales * Group	Linear	3.977	1	3.977	.031	.860	.000
	Quadratic	3.027	1	3.027	.046	.830	.000
	Cubic	1559.084	1	1559.08	19.932	.000	.084
	Order 4	251.559	1	251.559	5.799	.017	.026
	Order 5	3.926	1	3.926	.055	.815	.000
	Order 6	143.012	1	143.012	1.449	.230	.007
	Order 7	116.910	1	116.910	1.356	.245	.006
	Order 8	29.276	1	29.276	.435	.510	.002
	Order 9	213.512	1	213.512	4.059	.045	.018
Error(TSIscales)	Linear	27688.3	217	127.596			
	Quadratic	14138.0	217	65.152			
	Cubic	16973.7	217	78.220			
	Order 4	9413.059	217	43.378			
	Order 5	15584.6	217	71.818			
	Order 6	21419.3	217	98.707			
	Order 7	18707.2	217	86.209			
	Order 8	14616.4	217	67.357			
	Order 9	11414.5	217	52.601			

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	6542292	1	7E+006	8358.9	.000	.975
Group	16578.3	1	16578.3	21.182	.000	.089
Error	169841	217	782.676			

Profile Plots

Estimated Marginal Means of MEASURE_1

