

```

GET
  FILE='E:\thesis stuff\writing&spss printouts\SPSS stuff\variabldata3AGEGROUPS.sav'.
DATASET NAME DataSet1 WINDOW=FRONT.
GLM mumsupport dadsupport sibsupport relsupport romanticssupport samesexsupport othersexsuppo
  /WSFACTOR=Support 8 Polynomial
  /METHOD=SSTYPE(3)
  /POSTHOC=Age3categories(LSD)
  /EMMEANS=TABLES(OVERALL)
  /EMMEANS=TABLES(Age3categories) COMPARE ADJ(LSD)
  /EMMEANS=TABLES(Support) COMPARE ADJ(LSD)
  /EMMEANS=TABLES(Age3categories*Support)
  /PRINT=DESCRIPTIVE ETASQ OPOWER
  /CRITERIA=ALPHA(.05)
  /WSDSIGN=Support
  /DESIGN=Age3categories.

```

General Linear Model

Notes

Output Created		30-OCT-2012 12:11:05
Comments		
Input	Data	E:\thesis stuff\writing&spss printouts\SPSS stuff\variabldata3AGEGROUPS.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	579
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.

Notes

Syntax	GLM mumsupport dadsupport sibsupport relsupport romanticssupport samesexsupport othersexsupport extrasupport BY Age3categories /WSFACTOR=Support 8 Polynomial /METHOD=SSTYPE(3) /POSTHOC=Age3categories(LSD) /EMMEANS=TABLES (OVERALL) /EMMEANS=TABLES (Age3categories) COMPARE ADJ(LSD) /EMMEANS=TABLES (Support) COMPARE ADJ (LSD) /EMMEANS=TABLES (Age3categories*Support) /PRINT=DESCRIPTIVE ETASQ OPOWER /CRITERIA=ALPHA(.05) /WSDSIGN=Support /DESIGN=Age3categories.	
Resources	Processor Time	00:00:00.06
	Elapsed Time	00:00:00.06

[DataSet1] E:\thesis stuff\writing&spss printouts\SPSS stuff\variabledata3
 AGEGROUPS.sav

Within-Subjects Factors

Measure: MEASURE_1

Support	Dependent Variable
1	mumsupport
2	dadsupport
3	sibsupport
4	relsupport
5	romanticssupport
6	samesexsupport
7	othersexsupport
8	extrasupport

Between-Subjects Factors

	N
Age3categories 1.00	269
2.00	201
3.00	79

Descriptive Statistics

	Age3categories	Mean	Std. Deviation	N
mumsupport	1.00	3.6984	.73588	269
	2.00	3.3952	.89376	201
	3.00	2.5925	1.09122	79
	Total	3.4282	.92885	549
dadsupport	1.00	3.2050	.91018	269
	2.00	3.0543	.92803	201
	3.00	2.3454	1.13316	79
	Total	3.0261	.99249	549
sibsupport	1.00	3.1784	1.07617	269
	2.00	2.8685	1.23390	201
	3.00	2.7758	.82162	79
	Total	3.0070	1.11683	549
relsupport	1.00	2.8491	.85233	269
	2.00	2.6148	.86533	201
	3.00	2.0183	1.11204	79
	Total	2.6438	.93915	549
romanticsupport	1.00	3.3107	1.37057	269
	2.00	3.6299	1.24050	201
	3.00	3.6733	1.18464	79
	Total	3.4797	1.30680	549
samesexsupport	1.00	3.5840	.80472	269
	2.00	3.4392	.74416	201
	3.00	2.8095	.99721	79
	Total	3.4196	.85288	549
othersexsupport	1.00	2.8044	.95360	269
	2.00	2.7553	.94558	201
	3.00	2.2254	1.06339	79
	Total	2.7031	.98535	549
extrasupport	1.00	2.4296	1.55163	269
	2.00	2.4471	1.44644	201
	3.00	2.0434	1.42705	79
	Total	2.3804	1.50002	549

Multivariate Tests^a

Effect		Value	F	Hypothesis df	Error df
Support	Pillai's Trace	.508	79.705 ^b	7.000	540.000
	Wilks' Lambda	.492	79.705 ^b	7.000	540.000
	Hotelling's Trace	1.033	79.705 ^b	7.000	540.000
	Roy's Largest Root	1.033	79.705 ^b	7.000	540.000
Support * Age3categories	Pillai's Trace	.141	5.844	14.000	1082.000
	Wilks' Lambda	.862	5.952 ^b	14.000	1080.000
	Hotelling's Trace	.157	6.061	14.000	1078.000
	Roy's Largest Root	.137	10.554 ^c	7.000	541.000

Multivariate Tests^a

Effect		Sig.	Partial Eta Squared	Noncent. Parameter
Support	Pillai's Trace	.000	.508	557.936
	Wilks' Lambda	.000	.508	557.936
	Hotelling's Trace	.000	.508	557.936
	Roy's Largest Root	.000	.508	557.936
Support * Age3categories	Pillai's Trace	.000	.070	81.809
	Wilks' Lambda	.000	.072	83.332
	Hotelling's Trace	.000	.073	84.850
	Roy's Largest Root	.000	.120	73.875

Multivariate Tests^a

Effect		Observed Power ^d
Support	Pillai's Trace	1.000
	Wilks' Lambda	1.000
	Hotelling's Trace	1.000
	Roy's Largest Root	1.000
Support * Age3categories	Pillai's Trace	1.000
	Wilks' Lambda	1.000
	Hotelling's Trace	1.000
	Roy's Largest Root	1.000

a. Design: Intercept + Age3categories
Within Subjects Design: Support

b. Exact statistic

c. The statistic is an upper bound on F that yields a lower bound on the significance level.

d. Computed using alpha = .05

Mauchly's Test of Sphericity^a

Measure: MEASURE_1

Within Subjects Effect	Mauchly's W	Approx. Chi-Square	df	Sig.	Epsilon ^b
					Greenhouse-Geisser
Support	.321	618.073	27	.000	.748

Mauchly's Test of Sphericity^a

Measure: MEASURE_1

Within Subjects Effect	Epsilon ^b	
	Huynh-Feldt	Lower-bound
Support	.759	.143

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

a. Design: Intercept + Age3categories
Within Subjects Design: Support

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
Support	Sphericity Assumed	535.256	7	76.465
	Greenhouse-Geisser	535.256	5.237	102.203
	Huynh-Feldt	535.256	5.313	100.740
	Lower-bound	535.256	1.000	535.256
Support * Age3categories	Sphericity Assumed	102.210	14	7.301
	Greenhouse-Geisser	102.210	10.474	9.758
	Huynh-Feldt	102.210	10.627	9.618
	Lower-bound	102.210	2.000	51.105
Error(Support)	Sphericity Assumed	3773.817	3822	.987
	Greenhouse-Geisser	3773.817	2859.502	1.320
	Huynh-Feldt	3773.817	2901.040	1.301
	Lower-bound	3773.817	546.000	6.912

Tests of Within-Subjects Effects

Measure: MEASURE_1

Source		F	Sig.	Partial Eta Squared
Support	Sphericity Assumed	77.441	.000	.124
	Greenhouse-Geisser	77.441	.000	.124
	Huynh-Feldt	77.441	.000	.124
	Lower-bound	77.441	.000	.124
Support * Age3categories	Sphericity Assumed	7.394	.000	.026
	Greenhouse-Geisser	7.394	.000	.026
	Huynh-Feldt	7.394	.000	.026
	Lower-bound	7.394	.001	.026
Error(Support)	Sphericity Assumed			
	Greenhouse-Geisser			
	Huynh-Feldt			
	Lower-bound			

Tests of Within-Subjects Effects

Measure: MEASURE_1

Source		Noncent. Parameter	Observed Power ^a
Support	Sphericity Assumed	542.090	1.000
	Greenhouse-Geisser	405.575	1.000
	Huynh-Feldt	411.466	1.000
	Lower-bound	77.441	1.000
Support * Age3categories	Sphericity Assumed	103.515	1.000
	Greenhouse-Geisser	77.447	1.000
	Huynh-Feldt	78.572	1.000
	Lower-bound	14.788	.940
Error(Support)	Sphericity Assumed		
	Greenhouse-Geisser		
	Huynh-Feldt		
	Lower-bound		

a. Computed using alpha = .05

Tests of Within-Subjects Contrasts

Measure: MEASURE_1

Source	Support	Type III Sum of Squares	df	Mean Square	F
Support	Linear	83.416	1	83.416	55.553
	Quadratic	53.203	1	53.203	47.325
	Cubic	178.610	1	178.610	200.309
	Order 4	7.718	1	7.718	8.332
	Order 5	86.838	1	86.838	124.809
	Order 6	25.873	1	25.873	34.738
	Order 7	99.598	1	99.598	96.930
Support * Age3categories	Linear	19.532	2	9.766	6.504
	Quadratic	13.140	2	6.570	5.844
	Cubic	3.000	2	1.500	1.682
	Order 4	5.897	2	2.948	3.183
	Order 5	7.315	2	3.658	5.257
	Order 6	6.523	2	3.262	4.379
	Order 7	46.803	2	23.401	22.774
Error(Support)	Linear	819.845	546	1.502	
	Quadratic	613.807	546	1.124	
	Cubic	486.855	546	.892	
	Order 4	505.725	546	.926	
	Order 5	379.891	546	.696	
	Order 6	406.664	546	.745	
	Order 7	561.030	546	1.028	

Tests of Within-Subjects Contrasts

Measure: MEASURE_1

Source	Support	Sig.	Partial Eta Squared	Noncent. Parameter	Observed Power ^a
Support	Linear	.000	.092	55.553	1.000
	Quadratic	.000	.080	47.325	1.000
	Cubic	.000	.268	200.309	1.000
	Order 4	.004	.015	8.332	.822
	Order 5	.000	.186	124.809	1.000
	Order 6	.000	.060	34.738	1.000
	Order 7	.000	.151	96.930	1.000
Support * Age3categories	Linear	.002	.023	13.008	.907
	Quadratic	.003	.021	11.688	.872
	Cubic	.187	.006	3.365	.354
	Order 4	.042	.012	6.367	.609
	Order 5	.005	.019	10.514	.833
	Order 6	.013	.016	8.758	.756
	Order 7	.000	.077	45.549	1.000
Error(Support)	Linear				
	Quadratic				
	Cubic				
	Order 4				
	Order 5				
	Order 6				
	Order 7				

a. Computed using alpha = .05

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	28480.785	1	28480.785	12514.499	.000	.958
Age3categories	160.372	2	80.186	35.234	.000	.114
Error	1242.599	546	2.276			

Tests of Between-Subjects Effects

Measure: MEASURE_1

Transformed Variable: Average

Source	Noncent. Parameter	Observed Power ^a
Intercept	12514.499	1.000
Age3categories	70.468	1.000
Error		

a. Computed using alpha = .05

Estimated Marginal Means

1. Grand Mean

Measure: MEASURE_1

Mean	Std. Error	95% Confidence Interval	
		Lower Bound	Upper Bound
2.906	.026	2.855	2.957

2. Age3categories

Estimates

Measure: MEASURE_1

Age3categories	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1.00	3.132	.033	3.069	3.196
2.00	3.026	.038	2.952	3.099
3.00	2.560	.060	2.443	2.678

Pairwise Comparisons

Measure: MEASURE_1

(I) Age3categories	(J) Age3categories	Mean Difference (I-J)	Std. Error	Sig. ^b	95% Confidence b...
					Lower Bound
1.00	2.00	.107 [*]	.050	.032	.009
	3.00	.572 [*]	.068	.000	.438
2.00	1.00	-.107 [*]	.050	.032	-.205
	3.00	.465 [*]	.071	.000	.326
3.00	1.00	-.572 [*]	.068	.000	-.706
	2.00	-.465 [*]	.071	.000	-.604

Pairwise Comparisons

Measure: MEASURE_1

(I) Age3categories	(J) Age3categories	95% Confidence b...
		Upper Bound
1.00	2.00	.205
	3.00	.706
2.00	1.00	-.009
	3.00	.604
3.00	1.00	-.438
	2.00	-.326

Based on estimated marginal means

*. The mean difference is significant at the .05 level.

b. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

Univariate Tests

Measure: MEASURE_1

	Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Contrast	20.047	2	10.023	35.234	.000	.114
Error	155.325	546	.284			

Univariate Tests

Measure: MEASURE_1

	Noncent. Parameter	Observed Power ^a
Contrast	70.468	1.000
Error		

The F tests the effect of Age3categories. This test is based on the linearly independent pairwise comparisons among the estimated marginal means.

a. Computed using alpha = .05

3. Support

Estimates

Measure: MEASURE_1

Support	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	3.229	.042	3.147	3.310
2	2.868	.046	2.777	2.959
3	2.941	.054	2.835	3.047
4	2.494	.044	2.408	2.580
5	3.538	.063	3.414	3.662
6	3.278	.040	3.200	3.355
7	2.595	.047	2.502	2.688
8	2.307	.073	2.164	2.450

Pairwise Comparisons

Measure: MEASURE_1

(I) Support	(J) Support	Mean Difference (I-J)	Std. Error	Sig. ^b	95% Confidence Interval for Difference ^b	
					Lower Bound	Upper Bound
1	2	.360 [*]	.046	.000	.270	.451
	3	.288 [*]	.059	.000	.172	.404
	4	.735 [*]	.051	.000	.634	.835
	5	-.309 [*]	.074	.000	-.454	-.164
	6	-.049	.051	.338	-.149	.051
	7	.634 [*]	.059	.000	.517	.750
	8	.922 [*]	.080	.000	.765	1.079
2	1	-.360 [*]	.046	.000	-.451	-.270
	3	-.073	.060	.224	-.190	.045
	4	.374 [*]	.054	.000	.269	.480
	5	-.670 [*]	.079	.000	-.824	-.515
	6	-.409 [*]	.055	.000	-.517	-.302
	7	.273 [*]	.062	.000	.152	.395
	8	.562 [*]	.084	.000	.397	.726
3	1	-.288 [*]	.059	.000	-.404	-.172
	2	.073	.060	.224	-.045	.190
	4	.447 [*]	.062	.000	.325	.568
	5	-.597 [*]	.082	.000	-.758	-.436
	6	-.337 [*]	.062	.000	-.458	-.216
	7	.346 [*]	.067	.000	.214	.478
	8	.634 [*]	.087	.000	.463	.806
4	1	-.735 [*]	.051	.000	-.835	-.634
	2	-.374 [*]	.054	.000	-.480	-.269
	3	-.447 [*]	.062	.000	-.568	-.325
	5	-1.044 [*]	.074	.000	-1.190	-.898
	6	-.784 [*]	.052	.000	-.886	-.681
	7	-.101	.058	.080	-.214	.012
	8	.187 [*]	.077	.016	.035	.339
5	1	.309 [*]	.074	.000	.164	.454
	2	.670 [*]	.079	.000	.515	.824
	3	.597 [*]	.082	.000	.436	.758
	4	1.044 [*]	.074	.000	.898	1.190
	6	.260 [*]	.075	.001	.113	.407
	7	.943 [*]	.080	.000	.785	1.101
	8	1.231 [*]	.096	.000	1.043	1.419
6	1	.049	.051	.338	-.051	.149
	2	.409 [*]	.055	.000	.302	.517
	3	.337 [*]	.062	.000	.216	.458
	4	.784 [*]	.052	.000	.681	.886
	5	-.260 [*]	.075	.001	-.407	-.113

Pairwise Comparisons

Measure: MEASURE_1

(I) Support	(J) Support	Mean Difference (I-J)	Std. Error	Sig. ^b	95% Confidence Interval for Difference ^b	
					Lower Bound	Upper Bound
7	7	.683 [*]	.047	.000	.590	.775
	8	.971 [*]	.074	.000	.825	1.117
	1	-.634 [*]	.059	.000	-.750	-.517
	2	-.273 [*]	.062	.000	-.395	-.152
	3	-.346 [*]	.067	.000	-.478	-.214
	4	.101	.058	.080	-.012	.214
	5	-.943 [*]	.080	.000	-1.101	-.785
	6	-.683 [*]	.047	.000	-.775	-.590
	8	.288 [*]	.075	.000	.142	.435
8	1	-.922 [*]	.080	.000	-1.079	-.765
	2	-.562 [*]	.084	.000	-.726	-.397
	3	-.634 [*]	.087	.000	-.806	-.463
	4	-.187 [*]	.077	.016	-.339	-.035
	5	-1.231 [*]	.096	.000	-1.419	-1.043
	6	-.971 [*]	.074	.000	-1.117	-.825
	7	-.288 [*]	.075	.000	-.435	-.142

Based on estimated marginal means

*. The mean difference is significant at the .05 level.

b. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

Multivariate Tests

	Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
Pillai's trace	.508	79.705 ^a	7.000	540.000	.000	.508
Wilks' lambda	.492	79.705 ^a	7.000	540.000	.000	.508
Hotelling's trace	1.033	79.705 ^a	7.000	540.000	.000	.508
Roy's largest root	1.033	79.705 ^a	7.000	540.000	.000	.508

Multivariate Tests

	Noncent. Parameter	Observed Power ^b
Pillai's trace	557.936	1.000
Wilks' lambda	557.936	1.000
Hotelling's trace	557.936	1.000
Roy's largest root	557.936	1.000

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

a. Exact statistic

b. Computed using alpha = .05

4. Age3categories * Support

Measure: MEASURE_1

Age3categories	Support	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
1.00	1	3.698	.052	3.596	3.801
	2	3.205	.058	3.091	3.319
	3	3.178	.067	3.046	3.311
	4	2.849	.055	2.741	2.957
	5	3.311	.079	3.155	3.466
	6	3.584	.050	3.486	3.681
	7	2.804	.059	2.689	2.920
	8	2.430	.091	2.250	2.609
2.00	1	3.395	.060	3.277	3.513
	2	3.054	.067	2.922	3.186
	3	2.869	.078	2.715	3.022
	4	2.615	.063	2.490	2.739
	5	3.630	.092	3.450	3.810
	6	3.439	.057	3.326	3.552
	7	2.755	.068	2.621	2.889
	8	2.447	.106	2.240	2.654
3.00	1	2.593	.096	2.404	2.781
	2	2.345	.107	2.135	2.556
	3	2.776	.124	2.531	3.020
	4	2.018	.101	1.820	2.217
	5	3.673	.146	3.386	3.960
	6	2.810	.092	2.630	2.989
	7	2.225	.109	2.012	2.439
	8	2.043	.168	1.713	2.374

Post Hoc Tests

Age3categories

Multiple Comparisons

Measure: MEASURE_1

LSD

(I) Age3categories	(J) Age3categories	Mean Difference (I- J)	Std. Error	Sig.	95% ...
					Lower Bound
1.00	2.00	.1069 [*]	.04973	.032	.0092
	3.00	.5720 [*]	.06825	.000	.4379
2.00	1.00	-.1069 [*]	.04973	.032	-.2046
	3.00	.4651 [*]	.07083	.000	.3259
3.00	1.00	-.5720 [*]	.06825	.000	-.7061
	2.00	-.4651 [*]	.07083	.000	-.6042

Multiple Comparisons

Measure: MEASURE_1

LSD

(I) Age3categories	(J) Age3categories	95% ...
		Upper Bound
1.00	2.00	.2046
	3.00	.7061
2.00	1.00	-.0092
	3.00	.6042
3.00	1.00	-.4379
	2.00	-.3259

Based on observed means.

The error term is Mean Square(Error) = .284.

*. The mean difference is significant at the .05 level.