

```

GET
  FILE='F:\2012\variabledata.sav'.
DATASET NAME DataSet1 WINDOW=FRONT.
SORT CASES BY Age (A).
SORT CASES BY Age (D).
SORT CASES BY ID (A).
RECODE Age (18 thru 20=1) (21 thru 39=2) (40 thru 71=3) INTO Age3categories.
VARIABLE LABELS  Age3categories 'Age3categories'.
EXECUTE.
GLM mumaffection dadaffection sibaffection relativeaffection romanticaffect sameaffect
  /WSFACTOR=affection 8 Polynomial
  /METHOD=SSTYPE(3)
  /POSTHOC=Age3categories(LSD)
  /PLOT=PROFILE(affection*Age3categories)
  /EMMEANS=TABLES(OVERALL)
  /EMMEANS=TABLES(Age3categories)
  /EMMEANS=TABLES(affection)
  /EMMEANS=TABLES(Age3categories*affection)
  /PRINT=DESCRIPTIVE ETASQ OPOWER
  /CRITERIA=ALPHA(.05)
  /WSDSIGN=affection
  /DESIGN=Age3categories.

```

## General Linear Model

### Notes

Output Created		16-AUG-2012 14:42:44
Comments		
Input	Data	F:\2012\variabledata.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 mumaffection dadaffection sibaffection relativeaffection romanticaffectio n samesexaffectio n othersexaffectio n extraaffection BY Age3categories /WSFACTOR=affection 8 Polynomial /METHOD=SSTYPE(3)  /POSTHOC=Age3categori es(LSD) /PLOT=PROFILE (affection*Age3categories) /EMMEANS=TABLES (OVERALL) /EMMEANS=TABLES (Age3categories) /EMMEANS=TABLES (affection) /EMMEANS=TABLES (Age3categories*affection) /PRINT=DESCRIPTIVE ETASQ OPOWER /CRITERIA=ALPHA(.05) /WSDSIGN=affection  /DESIGN=Age3categories.	
Resources	Processor Time	00:00:01.56
	Elapsed Time	00:00:01.66

[DataSet1] F:\2012\variabledata.sav

## Within-Subjects Factors

Measure: MEASURE\_1

affection	Dependent Variable
1	mumaffection
2	dadaffection
3	sibaffection
4	relativeaffection
5	romanticaffectio n
6	samesexaffectio n

### Within-Subjects Factors

Measure: MEASURE\_1

Dependent Variable	
7	othersexaffect ion
8	extraaffection

### Between-Subjects Factors

	N
Age3categories 1.00	269
2.00	201
3.00	79

### Descriptive Statistics

	Age3categories	Mean	Std. Deviation	N
mumaffect ion	1.00	4.6121	.70851	269
	2.00	4.3831	.97454	201
	3.00	3.4093	1.45976	79
	Total	4.3552	1.02816	549
dadaffect ion	1.00	4.2900	1.05967	269
	2.00	4.1260	1.14243	201
	3.00	3.1139	1.56610	79
	Total	4.0607	1.23741	549
sib affect ion	1.00	3.8996	1.31559	269
	2.00	3.6269	1.52446	201
	3.00	3.5274	1.05896	79
	Total	3.7462	1.37036	549
relativeaffect ion	1.00	3.9182	1.11373	269
	2.00	3.6468	1.18633	201
	3.00	2.6709	1.61236	79
	Total	3.6393	1.28984	549
romanticaffect ion	1.00	3.7596	1.53187	269
	2.00	4.0580	1.34596	201
	3.00	4.0338	1.24447	79
	Total	3.9083	1.43199	549
same sexaffect ion	1.00	3.8488	.90114	269
	2.00	3.6932	.87709	201
	3.00	3.0549	1.13784	79
	Total	3.6776	.96569	549
othersexaffect ion	1.00	3.1375	1.07920	269
	2.00	3.0912	1.07185	201
	3.00	2.4684	1.22127	79
	Total	3.0243	1.11967	549

### Descriptive Statistics

	Age3categories	Mean	Std. Deviation	N
extraaffection	1.00	2.6778	1.73190	269
	2.00	2.7197	1.67745	201
	3.00	2.3333	1.65207	79
	Total	2.6436	1.70262	549

### Multivariate Tests<sup>a</sup>

Effect		Value	F	Hypothesis df	Error df
affection	Pillai's Trace	.469	68.110 <sup>b</sup>	7.000	540.000
	Wilks' Lambda	.531	68.110 <sup>b</sup>	7.000	540.000
	Hotelling's Trace	.883	68.110 <sup>b</sup>	7.000	540.000
	Roy's Largest Root	.883	68.110 <sup>b</sup>	7.000	540.000
affection * Age3categories	Pillai's Trace	.143	5.937	14.000	1082.000
	Wilks' Lambda	.859	6.073 <sup>b</sup>	14.000	1080.000
	Hotelling's Trace	.161	6.210	14.000	1078.000
	Roy's Largest Root	.145	11.207 <sup>c</sup>	7.000	541.000

### Multivariate Tests<sup>a</sup>

Effect		Sig.	Partial Eta Squared	Noncent. Parameter
affection	Pillai's Trace	.000	.469	476.771
	Wilks' Lambda	.000	.469	476.771
	Hotelling's Trace	.000	.469	476.771
	Roy's Largest Root	.000	.469	476.771
affection * Age3categories	Pillai's Trace	.000	.071	83.113
	Wilks' Lambda	.000	.073	85.027
	Hotelling's Trace	.000	.075	86.938
	Roy's Largest Root	.000	.127	78.450

### Multivariate Tests<sup>a</sup>

Effect		Observed Power <sup>d</sup>
affection	Pillai's Trace	1.000
	Wilks' Lambda	1.000
	Hotelling's Trace	1.000
	Roy's Largest Root	1.000
affection * 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: affection
- 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<sup>a</sup>

Measure: MEASURE\_1

Within Subjects Effect	Mauchly's W	Approx. Chi-Square	df	Sig.	Epsilon <sup>b</sup>
					Greenhouse-Geisser
affection	.358	558.409	27	.000	.779

#### Mauchly's Test of Sphericity<sup>a</sup>

Measure: MEASURE\_1

Within Subjects Effect	Epsilon <sup>b</sup>	
	Huynh-Feldt	Lower-bound
affection	.791	.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: affection
- 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
affection	Sphericity Assumed	834.502	7	119.215
	Greenhouse-Geisser	834.502	5.455	152.982
	Huynh-Feldt	834.502	5.537	150.727
	Lower-bound	834.502	1.000	834.502
affection * Age3categories	Sphericity Assumed	133.616	14	9.544
	Greenhouse-Geisser	133.616	10.910	12.247
	Huynh-Feldt	133.616	11.073	12.067
	Lower-bound	133.616	2.000	66.808
Error(affection)	Sphericity Assumed	5128.836	3822	1.342
	Greenhouse-Geisser	5128.836	2978.376	1.722
	Huynh-Feldt	5128.836	3022.942	1.697
	Lower-bound	5128.836	546.000	9.393

### Tests of Within-Subjects Effects

Measure: MEASURE\_1

Source		F	Sig.	Partial Eta Squared
affection	Sphericity Assumed	88.838	.000	.140
	Greenhouse-Geisser	88.838	.000	.140
	Huynh-Feldt	88.838	.000	.140
	Lower-bound	88.838	.000	.140
affection * Age3categories	Sphericity Assumed	7.112	.000	.025
	Greenhouse-Geisser	7.112	.000	.025
	Huynh-Feldt	7.112	.000	.025
	Lower-bound	7.112	.001	.025
Error(affection)	Sphericity Assumed			
	Greenhouse-Geisser			
	Huynh-Feldt			
	Lower-bound			

### Tests of Within-Subjects Effects

Measure: MEASURE\_1

Source		Noncent. Parameter	Observed Power <sup>a</sup>
affection	Sphericity Assumed	621.869	1.000
	Greenhouse-Geisser	484.605	1.000
	Huynh-Feldt	491.856	1.000
	Lower-bound	88.838	1.000
affection * Age3categories	Sphericity Assumed	99.571	1.000
	Greenhouse-Geisser	77.593	1.000
	Huynh-Feldt	78.754	1.000
	Lower-bound	14.224	.931
Error(affection)	Sphericity Assumed		
	Greenhouse-Geisser		
	Huynh-Feldt		
	Lower-bound		

a. Computed using alpha = .05

### Tests of Within-Subjects Contrasts

Measure: MEASURE\_1

Source	affection	Type III Sum of Squares	df	Mean Square	F
affection	Linear	606.318	1	606.318	295.823
	Quadratic	56.325	1	56.325	38.379
	Cubic	72.381	1	72.381	55.606
	Order 4	10.640	1	10.640	8.480
	Order 5	51.286	1	51.286	53.889
	Order 6	2.076	1	2.076	2.061
	Order 7	35.476	1	35.476	26.072
affection * Age3categories	Linear	29.647	2	14.824	7.232
	Quadratic	7.040	2	3.520	2.399
	Cubic	2.106	2	1.053	.809
	Order 4	6.459	2	3.230	2.574
	Order 5	6.045	2	3.023	3.176
	Order 6	7.196	2	3.598	3.571
	Order 7	75.122	2	37.561	27.605
Error(affection)	Linear	1119.080	546	2.050	
	Quadratic	801.323	546	1.468	
	Cubic	710.715	546	1.302	
	Order 4	685.038	546	1.255	
	Order 5	519.621	546	.952	
	Order 6	550.132	546	1.008	
	Order 7	742.927	546	1.361	

### Tests of Within-Subjects Contrasts

Measure: MEASURE\_1

Source	affection	Sig.	Partial Eta Squared	Noncent. Parameter	Observed Power <sup>a</sup>
affection	Linear	.000	.351	295.823	1.000
	Quadratic	.000	.066	38.379	1.000
	Cubic	.000	.092	55.606	1.000
	Order 4	.004	.015	8.480	.828
	Order 5	.000	.090	53.889	1.000
	Order 6	.152	.004	2.061	.299
	Order 7	.000	.046	26.072	.999
affection * Age3categories	Linear	.001	.026	14.465	.935
	Quadratic	.092	.009	4.797	.484
	Cubic	.446	.003	1.618	.189
	Order 4	.077	.009	5.148	.514
	Order 5	.043	.012	6.352	.608
	Order 6	.029	.013	7.142	.662
	Order 7	.000	.092	55.209	1.000
Error(affection)	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	41408.787	1	41408.787	12772.396	.000	.959
Age3categories	236.921	2	118.461	36.539	.000	.118
Error	1770.161	546	3.242			

### Tests of Between-Subjects Effects

Measure: MEASURE\_1

Transformed Variable: Average

Source	Noncent. Parameter	Observed Power <sup>a</sup>
Intercept	12772.396	1.000
Age3categories	73.077	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
3.504	.031	3.443	3.565

### 2. Age3categories

Measure: MEASURE\_1

Age3categories	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1.00	3.768	.039	3.692	3.844
2.00	3.668	.045	3.580	3.756
3.00	3.076	.072	2.936	3.217

### 3. affection

Measure: MEASURE\_1

affection	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	4.135	.046	4.044	4.226
2	3.843	.057	3.731	3.956
3	3.685	.066	3.554	3.815
4	3.412	.060	3.295	3.529
5	3.950	.070	3.814	4.087
6	3.532	.045	3.443	3.621
7	2.899	.053	2.794	3.004
8	2.577	.083	2.414	2.740

#### 4. Age3categories \* affection

Measure: MEASURE\_1

Age3categories	affection	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
1.00	1	4.612	.058	4.499	4.726
	2	4.290	.072	4.149	4.431
	3	3.900	.083	3.736	4.063
	4	3.918	.075	3.772	4.065
	5	3.760	.087	3.589	3.931
	6	3.849	.057	3.737	3.960
	7	3.138	.067	3.006	3.269
	8	2.678	.104	2.474	2.882
2.00	1	4.383	.067	4.252	4.514
	2	4.126	.083	3.963	4.289
	3	3.627	.096	3.438	3.816
	4	3.647	.086	3.477	3.816
	5	4.058	.101	3.860	4.256
	6	3.693	.066	3.564	3.822
	7	3.091	.077	2.939	3.243
	8	2.720	.120	2.484	2.955
3.00	1	3.409	.107	3.200	3.619
	2	3.114	.132	2.854	3.374
	3	3.527	.153	3.226	3.829
	4	2.671	.138	2.401	2.941
	5	4.034	.161	3.718	4.349
	6	3.055	.105	2.849	3.260
	7	2.468	.124	2.226	2.711
	8	2.333	.191	1.957	2.709

#### 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	.0999	.05935	.093	-.0167
	3.00	.6915*	.08146	.000	.5315
2.00	1.00	-.0999	.05935	.093	-.2164
	3.00	.5916*	.08453	.000	.4256
3.00	1.00	-.6915*	.08146	.000	-.8515
	2.00	-.5916*	.08453	.000	-.7577

### Multiple Comparisons

Measure: MEASURE\_1

LSD

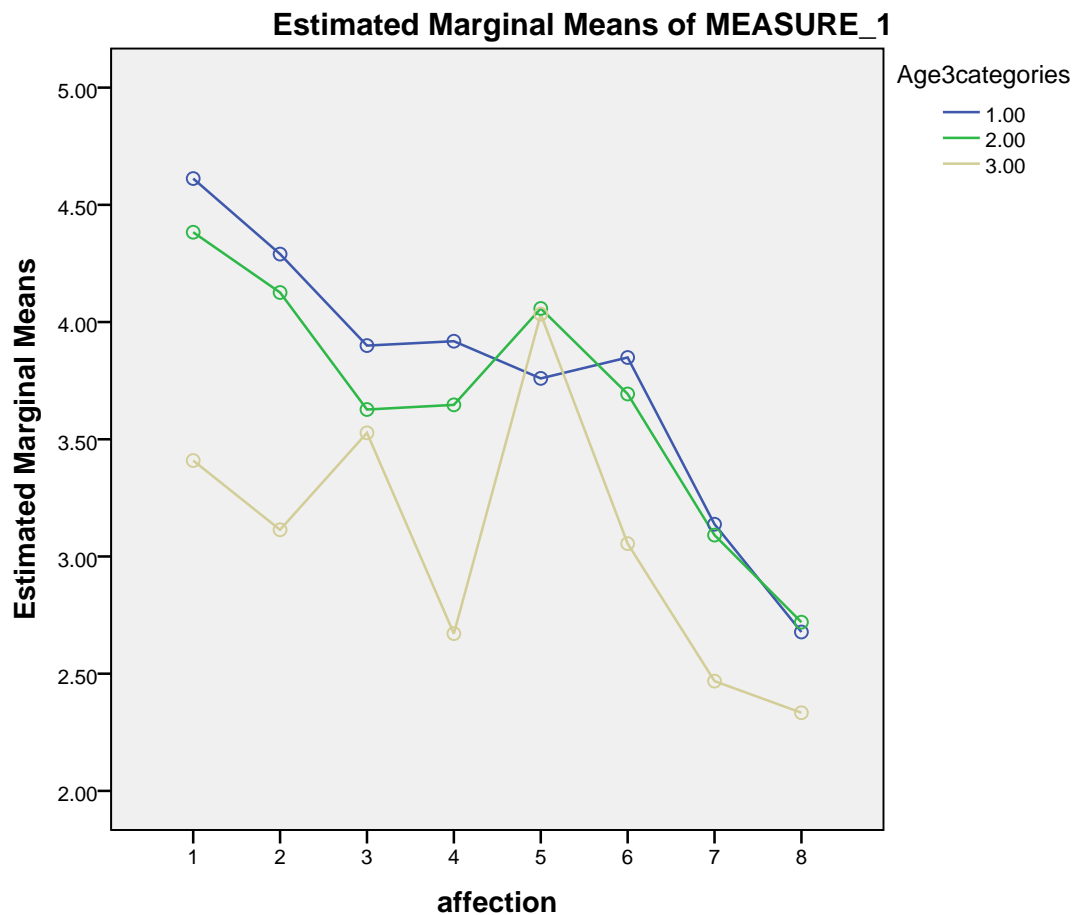
(I) Age3categories	(J) Age3categories	95% ...
		Upper Bound
1.00	2.00	.2164
	3.00	.8515
2.00	1.00	.0167
	3.00	.7577
3.00	1.00	-.5315
	2.00	-.4256

Based on observed means.

The error term is Mean Square(Error) = .405.

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

## Profile Plots



```

GLM muminstrumental dadinstrumental sibinstrumental relativeinstrumental romanticinstrumental
  /WSFACTOR=instrumental 8 Polynomial
  /METHOD=SSTYPE(3)
  /POSTHOC=Age3categories(LSD)
  /PLOT=PROFILE(instrumental*Age3categories)
  /EMMEANS=TABLES(OVERALL)
  /EMMEANS=TABLES(Age3categories)
  /EMMEANS=TABLES(instrumental)
  /EMMEANS=TABLES(Age3categories*instrumental)
  /PRINT=DESCRIPTIVE ETASQ OPOWER
  /CRITERIA=ALPHA(.05)
  /WSDESIGN=instrumental
  /DESIGN=Age3categories.

```

## General Linear Model

# Notes

Output Created		16-AUG-2012 14:45:14
Comments		
Input	Data	F:\2012\variabledata.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.
Syntax		GLM muminstrumental dadinstrumental sibinstrumental relativeinstrumental romanticinstrumental samesexinstrumental othersexinstrumental extrainstrumental BY Age3categories  /WSFACTOR=instrumental 1 8 Polynomial /METHOD=SSTYPE(3)  /POSTHOC=Age3categories(LSD) /PLOT=PROFILE (instrumental*Age3categories) /EMMEANS=TABLES (OVERALL) /EMMEANS=TABLES (Age3categories) /EMMEANS=TABLES (instrumental) /EMMEANS=TABLES (Age3categories*instrumental) /PRINT=DESCRIPTIVE ETASQ OPOWER /CRITERIA=ALPHA(.05)  /WSDESIGN=instrumental  /DESIGN=Age3categories.
Resources	Processor Time	00:00:00.23
	Elapsed Time	00:00:00.22

### Within-Subjects Factors

Measure: MEASURE\_1

instrumental	Dependent Variable
1	muminstrumental
2	dadinstrumental
3	sibinstrumental
4	relativeinstrumental
5	romanticinstrumental
6	samesexinstrumental
7	othersexinstrumental
8	extrainstrumental

### Between-Subjects Factors

		N
Age3categories	1.00	269
	2.00	201
	3.00	79

### Descriptive Statistics

	Age3categories	Mean	Std. Deviation	N
muminstrumental	1.00	3.6332	.98376	269
	2.00	3.1260	1.17834	201
	3.00	1.9873	1.06811	79
	Total	3.2107	1.20351	549
dadinstrumental	1.00	3.1933	1.17314	269
	2.00	2.8773	1.18527	201
	3.00	1.9578	1.18678	79
	Total	2.8998	1.24766	549
sibinstrumental	1.00	2.4052	1.14016	269
	2.00	2.1824	1.17658	201
	3.00	2.0886	.85019	79
	Total	2.2781	1.12264	549
relativeinstrumental	1.00	2.1599	1.05432	269
	2.00	1.9337	1.01161	201
	3.00	1.4937	.95759	79
	Total	1.9812	1.04804	549
romanticinstrumental	1.00	2.9009	1.33212	269
	2.00	3.1973	1.30140	201
	3.00	3.3038	1.23134	79
	Total	3.0674	1.31516	549
samesexinstrumental	1.00	3.0372	.99723	269
	2.00	2.8823	.82325	201
	3.00	2.4557	1.01580	79
	Total	2.8968	.95831	549
othersexinstrumental	1.00	2.3532	1.05391	269
	2.00	2.2670	1.00831	201
	3.00	1.9620	1.07283	79
	Total	2.2653	1.04648	549
extrainstrumental	1.00	2.1152	1.45508	269
	2.00	2.0265	1.29115	201
	3.00	1.7595	1.33860	79
	Total	2.0316	1.38312	549

### Multivariate Tests<sup>a</sup>

Effect		Value	F	Hypothesis df	Error df
instrumental	Pillai's Trace	.512	81.049 <sup>b</sup>	7.000	540.000
	Wilks' Lambda	.488	81.049 <sup>b</sup>	7.000	540.000
	Hotelling's Trace	1.051	81.049 <sup>b</sup>	7.000	540.000
	Roy's Largest Root	1.051	81.049 <sup>b</sup>	7.000	540.000
instrumental * Age3categories	Pillai's Trace	.204	8.789	14.000	1082.000
	Wilks' Lambda	.798	9.238 <sup>b</sup>	14.000	1080.000
	Hotelling's Trace	.252	9.687	14.000	1078.000
	Roy's Largest Root	.242	18.739 <sup>c</sup>	7.000	541.000

### Multivariate Tests<sup>a</sup>

Effect		Sig.	Partial Eta Squared	Noncent. Parameter
instrumental	Pillai's Trace	.000	.512	567.341
	Wilks' Lambda	.000	.512	567.341
	Hotelling's Trace	.000	.512	567.341
	Roy's Largest Root	.000	.512	567.341
instrumental * Age3categories	Pillai's Trace	.000	.102	123.050
	Wilks' Lambda	.000	.107	129.331
	Hotelling's Trace	.000	.112	135.624
	Roy's Largest Root	.000	.195	131.171

### Multivariate Tests<sup>a</sup>

Effect		Observed Power <sup>d</sup>
instrumental	Pillai's Trace	1.000
	Wilks' Lambda	1.000
	Hotelling's Trace	1.000
	Roy's Largest Root	1.000
instrumental * 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: instrumental

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<sup>a</sup>

Measure: MEASURE\_1

Within Subjects Effect	Mauchly's W	Approx. Chi-Square	df	Sig.	Epsilon <sup>b</sup>
					Greenhouse-Geisser
instrumental	.525	350.083	27	.000	.846

### Mauchly's Test of Sphericity<sup>a</sup>

Measure: MEASURE\_1

Within Subjects Effect	Epsilon <sup>b</sup>	
	Huynh-Feldt	Lower-bound
instrumental	.859	.143

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

- Design: Intercept + Age3categories  
Within Subjects Design: instrumental
- 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
instrumental	Sphericity Assumed	650.608	7	92.944
	Greenhouse-Geisser	650.608	5.920	109.897
	Huynh-Feldt	650.608	6.014	108.178
	Lower-bound	650.608	1.000	650.608
instrumental * Age3categories	Sphericity Assumed	175.106	14	12.508
	Greenhouse-Geisser	175.106	11.840	14.789
	Huynh-Feldt	175.106	12.029	14.558
	Lower-bound	175.106	2.000	87.553
Error(instrumental)	Sphericity Assumed	4135.706	3822	1.082
	Greenhouse-Geisser	4135.706	3232.419	1.279
	Huynh-Feldt	4135.706	3283.785	1.259
	Lower-bound	4135.706	546.000	7.575

### Tests of Within-Subjects Effects

Measure: MEASURE\_1

Source		F	Sig.	Partial Eta Squared
instrumental	Sphericity Assumed	85.894	.000	.136
	Greenhouse-Geisser	85.894	.000	.136
	Huynh-Feldt	85.894	.000	.136
	Lower-bound	85.894	.000	.136
instrumental * Age3categories	Sphericity Assumed	11.559	.000	.041
	Greenhouse-Geisser	11.559	.000	.041
	Huynh-Feldt	11.559	.000	.041
	Lower-bound	11.559	.000	.041
Error(instrumental)	Sphericity Assumed			
	Greenhouse-Geisser			
	Huynh-Feldt			
	Lower-bound			

### Tests of Within-Subjects Effects

Measure: MEASURE\_1

Source		Noncent. Parameter	Observed Power <sup>a</sup>
instrumental	Sphericity Assumed	601.257	1.000
	Greenhouse-Geisser	508.508	1.000
	Huynh-Feldt	516.588	1.000
	Lower-bound	85.894	1.000
instrumental * Age3categories	Sphericity Assumed	161.824	1.000
	Greenhouse-Geisser	136.861	1.000
	Huynh-Feldt	139.036	1.000
	Lower-bound	23.118	.994
Error(instrumental)	Sphericity Assumed		
	Greenhouse-Geisser		
	Huynh-Feldt		
	Lower-bound		

a. Computed using alpha = .05

### Tests of Within-Subjects Contrasts

Measure: MEASURE\_1

Source	instrumental	Type III Sum of Squares	df	Mean Square	F
instrumental	Linear	92.720	1	92.720	55.893
	Quadratic	2.434	1	2.434	2.228
	Cubic	230.218	1	230.218	241.620
	Order 4	.419	1	.419	.400
	Order 5	212.097	1	212.097	245.969
	Order 6	.791	1	.791	.937
	Order 7	111.931	1	111.931	100.213
instrumental * Age3categories	Linear	68.793	2	34.396	20.735
	Quadratic	50.150	2	25.075	22.953
	Cubic	3.292	2	1.646	1.728
	Order 4	5.781	2	2.890	2.760
	Order 5	2.408	2	1.204	1.397
	Order 6	2.411	2	1.206	1.429
	Order 7	42.271	2	21.135	18.923
Error(instrumental)	Linear	905.751	546	1.659	
	Quadratic	596.484	546	1.092	
	Cubic	520.233	546	.953	
	Order 4	571.775	546	1.047	
	Order 5	470.811	546	.862	
	Order 6	460.807	546	.844	
	Order 7	609.845	546	1.117	

### Tests of Within-Subjects Contrasts

Measure: MEASURE\_1

Source	instrumental	Sig.	Partial Eta Squared	Noncent. Parameter
instrumental	Linear	.000	.093	55.893
	Quadratic	.136	.004	2.228
	Cubic	.000	.307	241.620
	Order 4	.528	.001	.400
	Order 5	.000	.311	245.969
	Order 6	.333	.002	.937
	Order 7	.000	.155	100.213
instrumental * Age3categories	Linear	.000	.071	41.469
	Quadratic	.000	.078	45.905
	Cubic	.179	.006	3.455
	Order 4	.064	.010	5.520
	Order 5	.248	.005	2.793
	Order 6	.241	.005	2.857
	Order 7	.000	.065	37.846
Error(instrumental)	Linear			
	Quadratic			
	Cubic			
	Order 4			
	Order 5			
	Order 6			
	Order 7			

### Tests of Within-Subjects Contrasts

Measure: MEASURE\_1

Source	instrumental	Observed Power <sup>a</sup>
instrumental	Linear	1.000
	Quadratic	.319
	Cubic	1.000
	Order 4	.097
	Order 5	1.000
	Order 6	.162
	Order 7	1.000
instrumental * Age3categories	Linear	1.000
	Quadratic	1.000
	Cubic	.363
	Order 4	.544
	Order 5	.300
	Order 6	.306
	Order 7	1.000
Error(instrumental)	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	20586.855	1	20586.855	7241.353	.000	.930
Age3categories	175.866	2	87.933	30.930	.000	.102
Error	1552.255	546	2.843			

### Tests of Between-Subjects Effects

Measure: MEASURE\_1

Transformed Variable: Average

Source	Noncent. Parameter	Observed Power <sup>a</sup>
Intercept	7241.353	1.000
Age3categories	61.860	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
2.471	.029	2.414	2.528

### 2. Age3categories

Measure: MEASURE\_1

Age3categories	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1.00	2.725	.036	2.653	2.796
2.00	2.562	.042	2.479	2.644
3.00	2.126	.067	1.994	2.258

### 3. instrumental

Measure: MEASURE\_1

instrumental	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	2.916	.052	2.813	3.018
2	2.676	.057	2.563	2.789
3	2.225	.054	2.119	2.332
4	1.862	.050	1.764	1.961
5	3.134	.064	3.009	3.259
6	2.792	.046	2.702	2.882
7	2.194	.051	2.095	2.294
8	1.967	.067	1.835	2.099

#### 4. Age3categories \* instrumental

Measure: MEASURE\_1

		Mean	Std. Error	95% Confidence Interval	
Age3categories	instrumental			Lower Bound	Upper Bound
1.00	1	3.633	.065	3.505	3.761
	2	3.193	.072	3.052	3.335
	3	2.405	.068	2.271	2.539
	4	2.160	.063	2.037	2.283
	5	2.901	.080	2.744	3.057
	6	3.037	.057	2.925	3.150
	7	2.353	.063	2.229	2.478
	8	2.115	.084	1.950	2.281
2.00	1	3.126	.076	2.978	3.274
	2	2.877	.083	2.714	3.041
	3	2.182	.079	2.028	2.337
	4	1.934	.072	1.792	2.076
	5	3.197	.092	3.016	3.378
	6	2.882	.066	2.752	3.013
	7	2.267	.073	2.123	2.411
	8	2.027	.097	1.835	2.218
3.00	1	1.987	.120	1.751	2.224
	2	1.958	.133	1.697	2.218
	3	2.089	.126	1.842	2.336
	4	1.494	.115	1.267	1.720
	5	3.304	.147	3.015	3.593
	6	2.456	.106	2.248	2.663
	7	1.962	.117	1.732	2.192
	8	1.759	.155	1.454	2.065

#### 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	.1632*	.05558	.003	.0540
	3.00	.5987*	.07629	.000	.4488
2.00	1.00	-.1632*	.05558	.003	-.2724
	3.00	.4355*	.07916	.000	.2800
3.00	1.00	-.5987*	.07629	.000	-.7485
	2.00	-.4355*	.07916	.000	-.5910

### Multiple Comparisons

Measure: MEASURE\_1

LSD

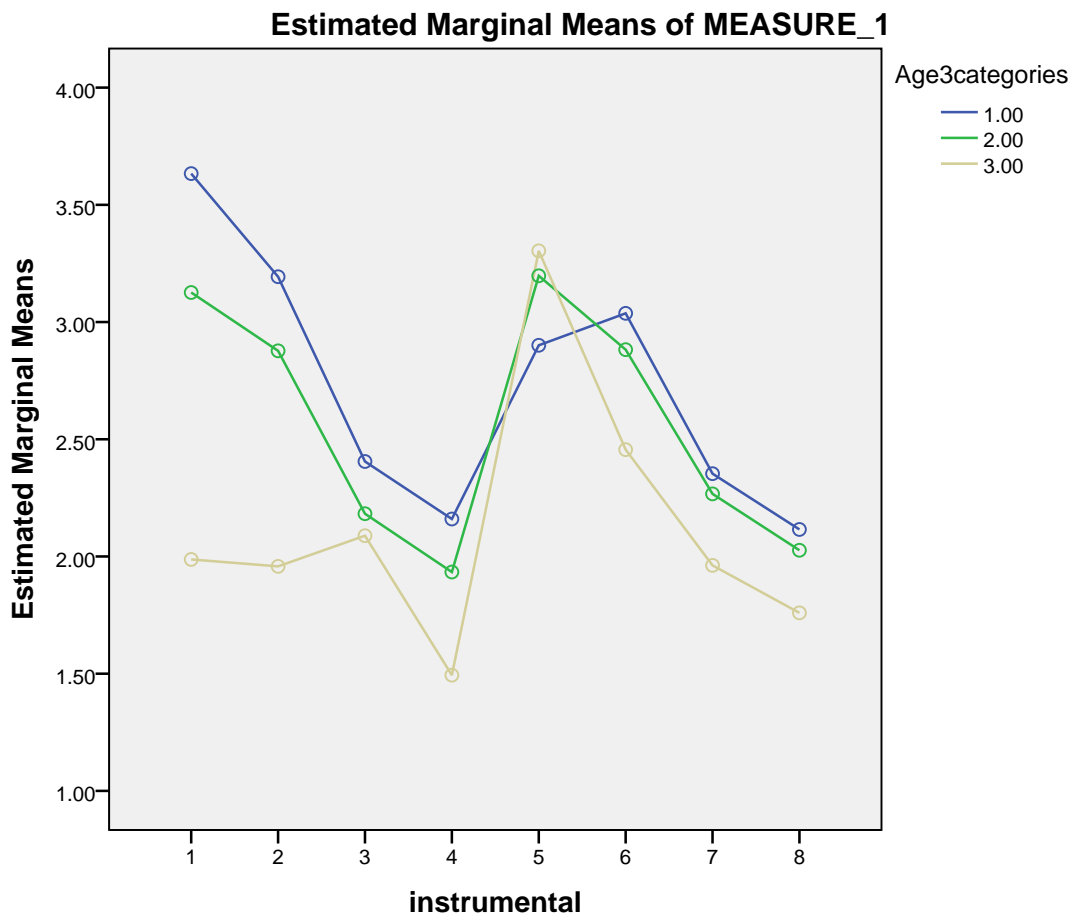
(I) Age3categories	(J) Age3categories	95% ...
		Upper Bound
1.00	2.00	.2724
	3.00	.7485
2.00	1.00	-.0540
	3.00	.5910
3.00	1.00	-.4488
	2.00	-.2800

Based on observed means.

The error term is Mean Square(Error) = .355.

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

## Profile Plots



```

GLM mumintdisclosure daddisclosure siblingdisclosure relateddisclosure romanticdisclosure s
  /WSFACTOR=intimacy 8 Polynomial
  /METHOD=SSTYPE(3)
  /POSTHOC=Age3categories(LSD)
  /PLOT=PROFILE(intimacy*Age3categories)
  /EMMEANS=TABLES(OVERALL)
  /EMMEANS=TABLES(Age3categories)
  /EMMEANS=TABLES(intimacy)
  /EMMEANS=TABLES(Age3categories*intimacy)
  /PRINT=DESCRIPTIVE ETASQ OPOWER
  /CRITERIA=ALPHA(.05)
  /WSDSIGN=intimacy
  /DESIGN=Age3categories.

```

## General Linear Model

## Notes

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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.
Syntax		GLM mumintdisclosure daddisclosure siblingdisclosure relatedisclosure romanticdisclosure samesexdisclosure othersexdisclosure extradisclosure BY Age3categories /WSFACTOR=intimacy 8 Polynomial /METHOD=SSTYPE(3)  /POSTHOC=Age3categories(LSD) /PLOT=PROFILE (intimacy*Age3categories) /EMMEANS=TABLES (OVERALL) /EMMEANS=TABLES (Age3categories) /EMMEANS=TABLES (intimacy) /EMMEANS=TABLES (Age3categories*intimacy) /PRINT=DESCRIPTIVE ETASQ OPOWER /CRITERIA=ALPHA(.05) /WSDESIGN=intimacy  /DESIGN=Age3categories.
Resources	Processor Time	00:00:00.23
	Elapsed Time	00:00:00.23

[DataSet1] F:\2012\variabledata.sav

### Within-Subjects Factors

Measure: MEASURE\_1

intimacy	Dependent Variable
1	mumintdisclosure
2	daddisclosure
3	siblingdisclosure
4	relativedisclosure
5	romanticdisclosure
6	samesexdisclosure
7	othersexdisclosure
8	extradisclosure

### Between-Subjects Factors

		N
Age3categories	1.00	269
	2.00	201
	3.00	79

### Descriptive Statistics

	Age3categories	Mean	Std. Deviation	N
mumintdisclosure	1.00	3.0223	1.21605	269
	2.00	2.6053	1.22297	201
	3.00	1.8945	1.12918	79
	Total	2.7073	1.26424	549
daddisclosure	1.00	2.0322	1.01594	269
	2.00	1.9834	1.04815	201
	3.00	1.5232	.93930	79
	Total	1.9411	1.03015	549
siblingdisclosure	1.00	2.3817	1.23643	269
	2.00	2.2521	1.32519	201
	3.00	2.2025	1.00344	79
	Total	2.3084	1.23988	549
relativedisclosure	1.00	1.6481	.93179	269
	2.00	1.5705	.91690	201
	3.00	1.4135	.95514	79
	Total	1.5859	.93143	549
romanticdisclosure	1.00	3.4981	1.57473	269
	2.00	3.7778	1.39138	201
	3.00	3.5401	1.43452	79
	Total	3.6066	1.49310	549
samesexdisclosure	1.00	3.6766	1.07739	269
	2.00	3.6103	1.10158	201
	3.00	2.6624	1.27153	79
	Total	3.5064	1.16684	549
othersexdisclosure	1.00	2.5774	1.20680	269
	2.00	2.5025	1.20560	201
	3.00	1.9156	1.18930	79
	Total	2.4548	1.22235	549
extradisclosure	1.00	2.2404	1.62409	269
	2.00	2.2405	1.54496	201
	3.00	1.8186	1.40390	79
	Total	2.1797	1.56958	549

### Multivariate Tests<sup>a</sup>

Effect		Value	F	Hypothesis df	Error df
intimacy	Pillai's Trace	.684	166.952 <sup>b</sup>	7.000	540.000
	Wilks' Lambda	.316	166.952 <sup>b</sup>	7.000	540.000
	Hotelling's Trace	2.164	166.952 <sup>b</sup>	7.000	540.000
	Roy's Largest Root	2.164	166.952 <sup>b</sup>	7.000	540.000
intimacy * Age3categories	Pillai's Trace	.127	5.248	14.000	1082.000
	Wilks' Lambda	.875	5.325 <sup>b</sup>	14.000	1080.000
	Hotelling's Trace	.140	5.401	14.000	1078.000
	Roy's Largest Root	.119	9.206 <sup>c</sup>	7.000	541.000

### Multivariate Tests<sup>a</sup>

Effect		Sig.	Partial Eta Squared	Noncent. Parameter
intimacy	Pillai's Trace	.000	.684	1168.667
	Wilks' Lambda	.000	.684	1168.667
	Hotelling's Trace	.000	.684	1168.667
	Roy's Largest Root	.000	.684	1168.667
intimacy * Age3categories	Pillai's Trace	.000	.064	73.475
	Wilks' Lambda	.000	.065	74.549
	Hotelling's Trace	.000	.066	75.619
	Roy's Largest Root	.000	.106	64.439

### Multivariate Tests<sup>a</sup>

Effect		Observed Power <sup>d</sup>
intimacy	Pillai's Trace	1.000
	Wilks' Lambda	1.000
	Hotelling's Trace	1.000
	Roy's Largest Root	1.000
intimacy * 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: intimacy

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<sup>a</sup>

Measure: MEASURE\_1

Within Subjects Effect	Mauchly's W	Approx. Chi-Square	df	Sig.	Epsilon <sup>b</sup>
					Greenhouse-Geisser
intimacy	.435	452.172	27	.000	.808

### Mauchly's Test of Sphericity<sup>a</sup>

Measure: MEASURE\_1

Within Subjects Effect	Epsilon <sup>b</sup>	
	Huynh-Feldt	Lower-bound
intimacy	.821	.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: intimacy

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
intimacy	Sphericity Assumed	1449.800	7	207.114
	Greenhouse-Geisser	1449.800	5.659	256.213
	Huynh-Feldt	1449.800	5.746	252.334
	Lower-bound	1449.800	1.000	1449.800
intimacy * Age3categories	Sphericity Assumed	87.671	14	6.262
	Greenhouse-Geisser	87.671	11.317	7.747
	Huynh-Feldt	87.671	11.491	7.629
	Lower-bound	87.671	2.000	43.835
Error(intimacy)	Sphericity Assumed	5178.265	3822	1.355
	Greenhouse-Geisser	5178.265	3089.583	1.676
	Huynh-Feldt	5178.265	3137.070	1.651
	Lower-bound	5178.265	546.000	9.484

### Tests of Within-Subjects Effects

Measure: MEASURE\_1

Source		F	Sig.	Partial Eta Squared
intimacy	Sphericity Assumed	152.868	.000	.219
	Greenhouse-Geisser	152.868	.000	.219
	Huynh-Feldt	152.868	.000	.219
	Lower-bound	152.868	.000	.219
intimacy * Age3categories	Sphericity Assumed	4.622	.000	.017
	Greenhouse-Geisser	4.622	.000	.017
	Huynh-Feldt	4.622	.000	.017
	Lower-bound	4.622	.010	.017
Error(intimacy)	Sphericity Assumed			
	Greenhouse-Geisser			
	Huynh-Feldt			
	Lower-bound			

### Tests of Within-Subjects Effects

Measure: MEASURE\_1

Source		Noncent. Parameter	Observed Power <sup>a</sup>
intimacy	Sphericity Assumed	1070.076	1.000
	Greenhouse-Geisser	865.015	1.000
	Huynh-Feldt	878.311	1.000
	Lower-bound	152.868	1.000
intimacy * Age3categories	Sphericity Assumed	64.708	1.000
	Greenhouse-Geisser	52.308	1.000
	Huynh-Feldt	53.112	1.000
	Lower-bound	9.244	.780
Error(intimacy)	Sphericity Assumed		
	Greenhouse-Geisser		
	Huynh-Feldt		
	Lower-bound		

a. Computed using alpha = .05

### Tests of Within-Subjects Contrasts

Measure: MEASURE\_1

Source	intimacy	Type III Sum of Squares	df	Mean Square	F
intimacy	Linear	56.593	1	56.593	25.923
	Quadratic	93.484	1	93.484	65.293
	Cubic	560.055	1	560.055	499.783
	Order 4	38.422	1	38.422	30.856
	Order 5	230.251	1	230.251	234.739
	Order 6	110.700	1	110.700	95.403
	Order 7	360.294	1	360.294	264.514
intimacy * Age3categories	Linear	7.730	2	3.865	1.770
	Quadratic	22.682	2	11.341	7.921
	Cubic	26.978	2	13.489	12.037
	Order 4	3.856	2	1.928	1.548
	Order 5	6.280	2	3.140	3.201
	Order 6	7.778	2	3.889	3.351
	Order 7	12.369	2	6.184	4.540
Error(intimacy)	Linear	1191.984	546	2.183	
	Quadratic	781.744	546	1.432	
	Cubic	611.846	546	1.121	
	Order 4	679.880	546	1.245	
	Order 5	535.561	546	.981	
	Order 6	633.545	546	1.160	
	Order 7	743.705	546	1.362	

### Tests of Within-Subjects Contrasts

Measure: MEASURE\_1

Source	intimacy	Sig.	Partial Eta Squared	Noncent. Parameter	Observed Power <sup>a</sup>
intimacy	Linear	.000	.045	25.923	.999
	Quadratic	.000	.107	65.293	1.000
	Cubic	.000	.478	499.783	1.000
	Order 4	.000	.053	30.856	1.000
	Order 5	.000	.301	234.739	1.000
	Order 6	.000	.149	95.403	1.000
	Order 7	.000	.326	264.514	1.000
intimacy * Age3categories	Linear	.171	.006	3.541	.371
	Quadratic	.000	.028	15.842	.954
	Cubic	.000	.042	24.074	.995
	Order 4	.214	.006	3.096	.329
	Order 5	.041	.012	6.402	.611
	Order 6	.036	.012	6.703	.633
	Order 7	.011	.016	9.080	.772
Error(intimacy)	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	20097.227	1	20097.227	7244.216	.000	.930
Age3categories	131.232	2	65.616	23.652	.000	.080
Error	1514.738	546	2.774			

### Tests of Between-Subjects Effects

Measure: MEASURE\_1

Transformed Variable: Average

Source	Noncent. Parameter	Observed Power <sup>a</sup>
Intercept	7244.216	1.000
Age3categories	47.304	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
2.441	.029	2.385	2.498

### 2. Age3categories

Measure: MEASURE\_1

Age3categories	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1.00	2.635	.036	2.564	2.705
2.00	2.568	.042	2.486	2.649
3.00	2.121	.066	1.991	2.251

### 3. intimacy

Measure: MEASURE\_1

intimacy	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	2.507	.059	2.392	2.623
2	1.846	.050	1.749	1.944
3	2.279	.060	2.160	2.397
4	1.544	.045	1.455	1.633
5	3.605	.073	3.463	3.748
6	3.316	.054	3.210	3.423
7	2.332	.059	2.217	2.447
8	2.100	.076	1.950	2.250

#### 4. Age3categories \* intimacy

Measure: MEASURE\_1

Age3categories	intimacy	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
1.00	1	3.022	.074	2.878	3.167
	2	2.032	.062	1.910	2.154
	3	2.382	.076	2.233	2.530
	4	1.648	.057	1.537	1.759
	5	3.498	.091	3.320	3.677
	6	3.677	.068	3.543	3.810
	7	2.577	.073	2.433	2.722
	8	2.240	.095	2.053	2.428
2.00	1	2.605	.085	2.438	2.772
	2	1.983	.072	1.842	2.124
	3	2.252	.087	2.080	2.424
	4	1.570	.066	1.442	1.699
	5	3.778	.105	3.571	3.984
	6	3.610	.079	3.456	3.765
	7	2.502	.085	2.336	2.669
	8	2.240	.110	2.024	2.457
3.00	1	1.895	.136	1.628	2.161
	2	1.523	.114	1.298	1.748
	3	2.203	.140	1.928	2.477
	4	1.414	.105	1.208	1.619
	5	3.540	.168	3.211	3.869
	6	2.662	.126	2.416	2.909
	7	1.916	.135	1.650	2.182
	8	1.819	.176	1.473	2.165

#### 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	.0668	.05490	.224	-.0410
	3.00	.5133*	.07536	.000	.3653
2.00	1.00	-.0668	.05490	.224	-.1747
	3.00	.4465*	.07820	.000	.2929
3.00	1.00	-.5133*	.07536	.000	-.6613
	2.00	-.4465*	.07820	.000	-.6001

### Multiple Comparisons

Measure: MEASURE\_1

LSD

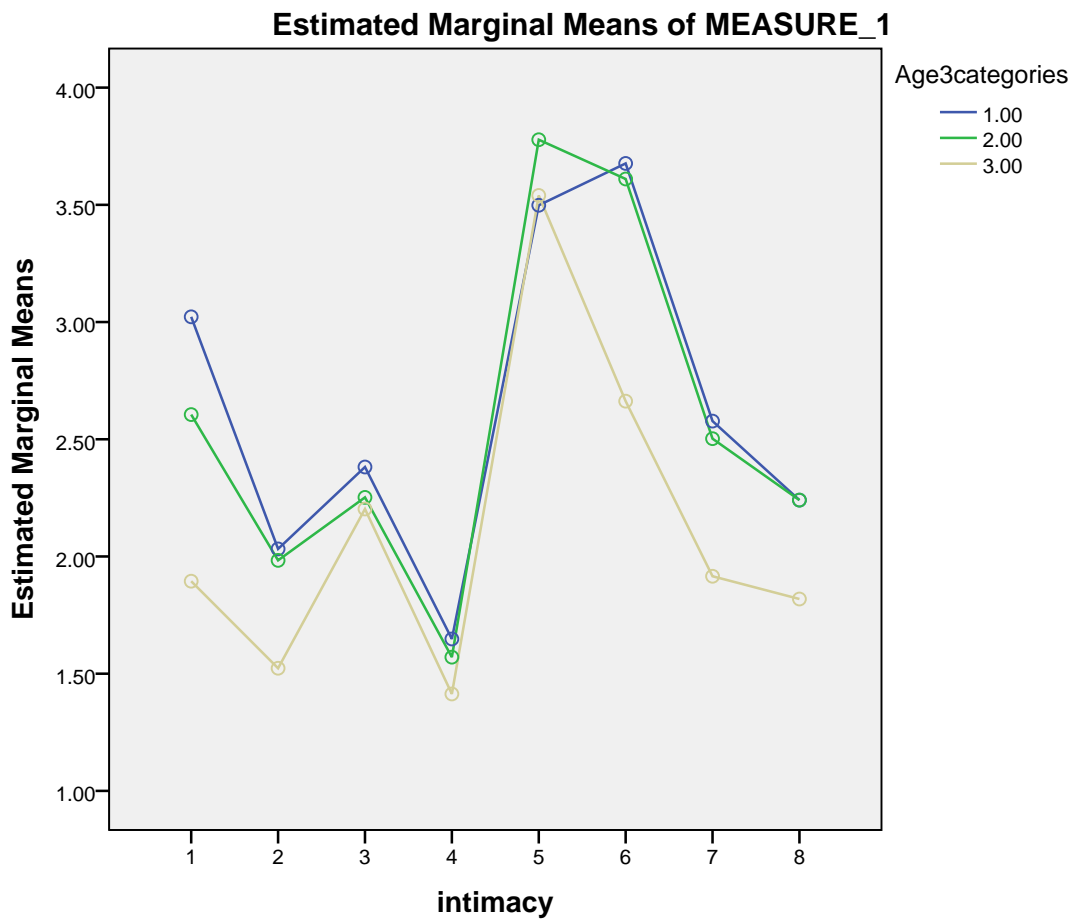
(I) Age3categories	(J) Age3categories	95% ...
		Upper Bound
1.00	2.00	.1747
	3.00	.6613
2.00	1.00	.0410
	3.00	.6001
3.00	1.00	-.3653
	2.00	-.2929

Based on observed means.

The error term is Mean Square(Error) = .347.

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

## Profile Plots



```

GLM mumsupport dadsupport sibsupport relsupport romanticssupport samesexsupport othersexsupp
  /WSFACTOR=support 8 Polynomial
  /METHOD=SSTYPE(3)
  /POSTHOC=Age3categories(LSD)
  /PLOT=PROFILE(support*Age3categories)
  /EMMEANS=TABLES(OVERALL)
  /EMMEANS=TABLES(Age3categories)
  /EMMEANS=TABLES(support)
  /EMMEANS=TABLES(Age3categories*support)
  /PRINT=DESCRIPTIVE ETASQ OPOWER
  /CRITERIA=ALPHA(.05)
  /WSDESIGN=support
  /DESIGN=Age3categories.

```

## General Linear Model

## Notes

Output Created		16-AUG-2012 14:48:44
Comments		
Input	Data	F:\2012\variabledata.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.
Syntax		GLM mumsupport dadsupport sibsupport relsupport romanticsupport samesexsupport othersexsupport extrasupport BY Age3categories /WSFACTOR=support 8 Polynomial /METHOD=SSTYPE(3)  /POSTHOC=Age3categories(LSD) /PLOT=PROFILE (support*Age3categories) /EMMEANS=TABLES (OVERALL) /EMMEANS=TABLES (Age3categories) /EMMEANS=TABLES (support) /EMMEANS=TABLES (Age3categories*support) /PRINT=DESCRIPTIVE ETASQ OPOWER /CRITERIA=ALPHA(.05) /WSDSIGN=support  /DESIGN=Age3categories.
Resources	Processor Time	00:00:00.20
	Elapsed Time	00:00:00.20

[DataSet1] F:\2012\variabledata.sav

### Within-Subjects Factors

Measure: MEASURE\_1

support	Dependent Variable
1	mumsupport
2	dadsupport
3	sibsupport
4	relsupport
5	romanticsupport
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

### Descriptive Statistics

	Aoe3categories	Mean	Std. Deviation	N
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<sup>a</sup>

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

### Multivariate Tests<sup>a</sup>

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<sup>a</sup>

Effect		Observed Power <sup>d</sup>
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<sup>a</sup>

Measure: MEASURE\_1

Within Subjects Effect	Mauchly's W	Approx. Chi-Square	df	Sig.	Epsilon <sup>b</sup>
					Greenhouse-Geisser
support	.321	618.073	27	.000	.748

### Mauchly's Test of Sphericity<sup>a</sup>

Measure: MEASURE\_1

Within Subjects Effect	Epsilon <sup>b</sup>	
	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 <sup>a</sup>
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		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 <sup>a</sup>
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 <sup>a</sup>
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

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

### 3. support

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

#### 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

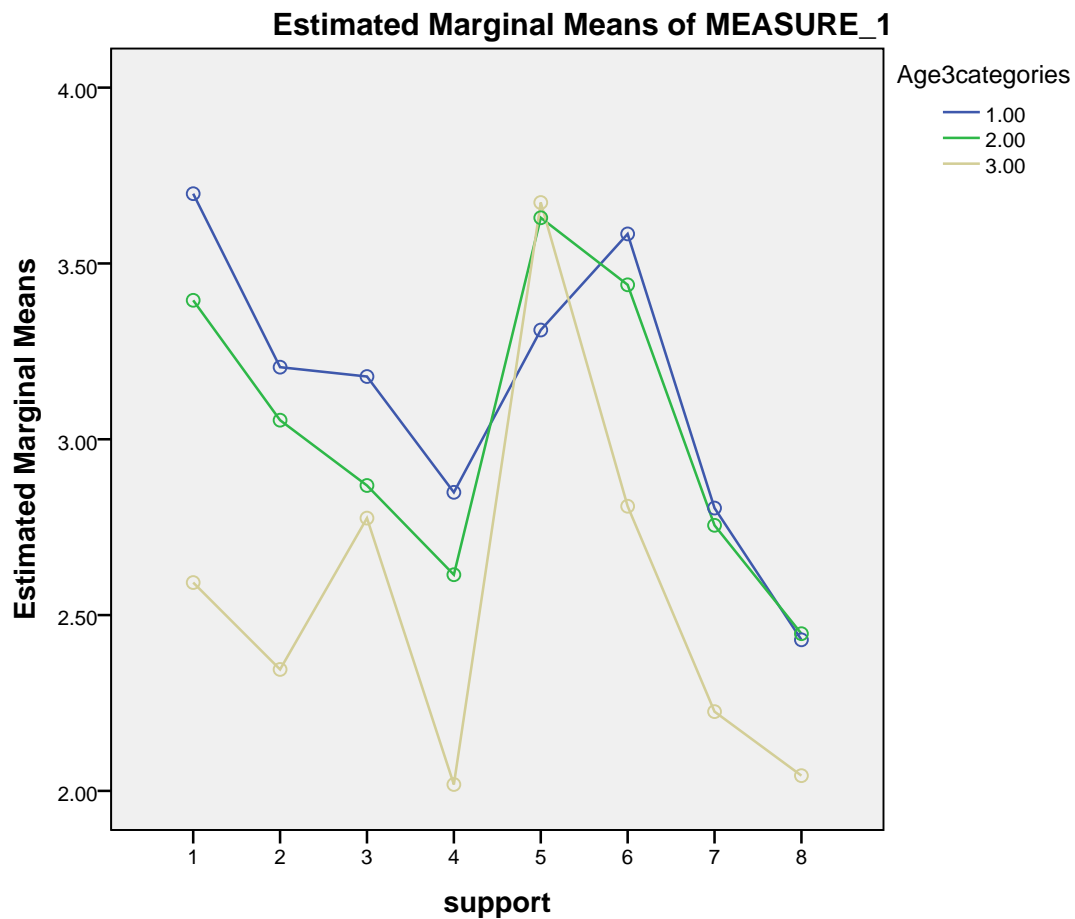
(I) Age3categories	(J) Age3categories	95% ...
		Upper Bound
1.00	2.00	.2046
	3.00	.7061
2.00	1.00	-.0092
	3.00	.6042
3.00	1.00	-.4379
	2.00	-.3259

Based on observed means.

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

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

## Profile Plots



```
GLM muminstrumental dadinstrumental sibinstrumental relativeinstrumental romanticinstrumental
  /WSFACTOR=instrumental 8 Polynomial
  /METHOD=SSTYPE(3)
  /POSTHOC=Age3categories(LSD)
  /PLOT=PROFILE(instrumental*Age3categories)
  /EMMEANS=TABLES(OVERALL)
  /EMMEANS=TABLES(Age3categories)
  /EMMEANS=TABLES(instrumental)
  /EMMEANS=TABLES(Age3categories*instrumental)
  /PRINT=DESCRIPTIVE ETASQ OPOWER
  /CRITERIA=ALPHA(.05)
  /WSDESIGN=instrumental
  /DESIGN=Age3categories.
```

## General Linear Model

## Notes

Output Created		16-AUG-2012 14:51:04
Comments		
Input	Data	F:\2012\variabledata.sav
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	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.
Syntax		GLM muminstrumental dadinstrumental sibinstrumental relativeinstrumental romanticinstrumental samesexinstrumental othersexinstrumental extrainstrumental BY Age3categories  /WSFACTOR=instrumental 1 8 Polynomial /METHOD=SSTYPE(3)  /POSTHOC=Age3categories(LSD) /PLOT=PROFILE (instrumental*Age3categories) /EMMEANS=TABLES (OVERALL) /EMMEANS=TABLES (Age3categories) /EMMEANS=TABLES (instrumental) /EMMEANS=TABLES (Age3categories*instrumental) /PRINT=DESCRIPTIVE ETASQ OPOWER /CRITERIA=ALPHA(.05)  /WSDESIGN=instrumental  /DESIGN=Age3categories.
Resources	Processor Time	00:00:00.20
	Elapsed Time	00:00:00.20

[DataSet1] F:\2012\variabledata.sav

### Within-Subjects Factors

Measure: MEASURE\_1

instrumental	Dependent Variable
1	muminstrumental
2	dadinstrumental
3	sibinstrumental
4	relativeinstrumental
5	romanticinstrumental
6	samesexinstrumental
7	othersexinstrumental
8	extrainstrumental

### Between-Subjects Factors

		N
Age3categories	1.00	269
	2.00	201
	3.00	79

### Descriptive Statistics

	Age3categories	Mean	Std. Deviation	N
muminstrumental	1.00	3.6332	.98376	269
	2.00	3.1260	1.17834	201
	3.00	1.9873	1.06811	79
	Total	3.2107	1.20351	549
dadinstrumental	1.00	3.1933	1.17314	269
	2.00	2.8773	1.18527	201
	3.00	1.9578	1.18678	79
	Total	2.8998	1.24766	549
sibinstrumental	1.00	2.4052	1.14016	269
	2.00	2.1824	1.17658	201
	3.00	2.0886	.85019	79
	Total	2.2781	1.12264	549
relativeinstrumental	1.00	2.1599	1.05432	269
	2.00	1.9337	1.01161	201
	3.00	1.4937	.95759	79
	Total	1.9812	1.04804	549
romanticinstrumental	1.00	2.9009	1.33212	269
	2.00	3.1973	1.30140	201
	3.00	3.3038	1.23134	79
	Total	3.0674	1.31516	549
samesexinstrumental	1.00	3.0372	.99723	269
	2.00	2.8823	.82325	201
	3.00	2.4557	1.01580	79
	Total	2.8968	.95831	549
othersexinstrumental	1.00	2.3532	1.05391	269
	2.00	2.2670	1.00831	201
	3.00	1.9620	1.07283	79
	Total	2.2653	1.04648	549
extrainstrumental	1.00	2.1152	1.45508	269
	2.00	2.0265	1.29115	201
	3.00	1.7595	1.33860	79
	Total	2.0316	1.38312	549

**Multivariate Tests<sup>a</sup>**

Effect		Value	F	Hypothesis df	Error df
instrumental	Pillai's Trace	.512	81.049 <sup>b</sup>	7.000	540.000
	Wilks' Lambda	.488	81.049 <sup>b</sup>	7.000	540.000
	Hotelling's Trace	1.051	81.049 <sup>b</sup>	7.000	540.000
	Roy's Largest Root	1.051	81.049 <sup>b</sup>	7.000	540.000
instrumental * Age3categories	Pillai's Trace	.204	8.789	14.000	1082.000
	Wilks' Lambda	.798	9.238 <sup>b</sup>	14.000	1080.000
	Hotelling's Trace	.252	9.687	14.000	1078.000
	Roy's Largest Root	.242	18.739 <sup>c</sup>	7.000	541.000

**Multivariate Tests<sup>a</sup>**

Effect		Sig.	Partial Eta Squared	Noncent. Parameter
instrumental	Pillai's Trace	.000	.512	567.341
	Wilks' Lambda	.000	.512	567.341
	Hotelling's Trace	.000	.512	567.341
	Roy's Largest Root	.000	.512	567.341
instrumental * Age3categories	Pillai's Trace	.000	.102	123.050
	Wilks' Lambda	.000	.107	129.331
	Hotelling's Trace	.000	.112	135.624
	Roy's Largest Root	.000	.195	131.171

**Multivariate Tests<sup>a</sup>**

Effect		Observed Power <sup>d</sup>
instrumental	Pillai's Trace	1.000
	Wilks' Lambda	1.000
	Hotelling's Trace	1.000
	Roy's Largest Root	1.000
instrumental * 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: instrumental

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<sup>a</sup>

Measure: MEASURE\_1

Within Subjects Effect	Mauchly's W	Approx. Chi-Square	df	Sig.	Epsilon <sup>b</sup>
					Greenhouse-Geisser
instrumental	.525	350.083	27	.000	.846

### Mauchly's Test of Sphericity<sup>a</sup>

Measure: MEASURE\_1

Within Subjects Effect	Epsilon <sup>b</sup>	
	Huynh-Feldt	Lower-bound
instrumental	.859	.143

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

- Design: Intercept + Age3categories  
Within Subjects Design: instrumental
- 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
instrumental	Sphericity Assumed	650.608	7	92.944
	Greenhouse-Geisser	650.608	5.920	109.897
	Huynh-Feldt	650.608	6.014	108.178
	Lower-bound	650.608	1.000	650.608
instrumental * Age3categories	Sphericity Assumed	175.106	14	12.508
	Greenhouse-Geisser	175.106	11.840	14.789
	Huynh-Feldt	175.106	12.029	14.558
	Lower-bound	175.106	2.000	87.553
Error(instrumental)	Sphericity Assumed	4135.706	3822	1.082
	Greenhouse-Geisser	4135.706	3232.419	1.279
	Huynh-Feldt	4135.706	3283.785	1.259
	Lower-bound	4135.706	546.000	7.575

### Tests of Within-Subjects Effects

Measure: MEASURE\_1

Source		F	Sig.	Partial Eta Squared
instrumental	Sphericity Assumed	85.894	.000	.136
	Greenhouse-Geisser	85.894	.000	.136
	Huynh-Feldt	85.894	.000	.136
	Lower-bound	85.894	.000	.136
instrumental * Age3categories	Sphericity Assumed	11.559	.000	.041
	Greenhouse-Geisser	11.559	.000	.041
	Huynh-Feldt	11.559	.000	.041
	Lower-bound	11.559	.000	.041
Error(instrumental)	Sphericity Assumed			
	Greenhouse-Geisser			
	Huynh-Feldt			
	Lower-bound			

### Tests of Within-Subjects Effects

Measure: MEASURE\_1

Source		Noncent. Parameter	Observed Power <sup>a</sup>
instrumental	Sphericity Assumed	601.257	1.000
	Greenhouse-Geisser	508.508	1.000
	Huynh-Feldt	516.588	1.000
	Lower-bound	85.894	1.000
instrumental * Age3categories	Sphericity Assumed	161.824	1.000
	Greenhouse-Geisser	136.861	1.000
	Huynh-Feldt	139.036	1.000
	Lower-bound	23.118	.994
Error(instrumental)	Sphericity Assumed		
	Greenhouse-Geisser		
	Huynh-Feldt		
	Lower-bound		

a. Computed using alpha = .05

### Tests of Within-Subjects Contrasts

Measure: MEASURE\_1

Source	instrumental	Type III Sum of Squares	df	Mean Square	F
instrumental	Linear	92.720	1	92.720	55.893
	Quadratic	2.434	1	2.434	2.228
	Cubic	230.218	1	230.218	241.620
	Order 4	.419	1	.419	.400
	Order 5	212.097	1	212.097	245.969
	Order 6	.791	1	.791	.937
	Order 7	111.931	1	111.931	100.213
instrumental * Age3categories	Linear	68.793	2	34.396	20.735
	Quadratic	50.150	2	25.075	22.953
	Cubic	3.292	2	1.646	1.728
	Order 4	5.781	2	2.890	2.760
	Order 5	2.408	2	1.204	1.397
	Order 6	2.411	2	1.206	1.429
	Order 7	42.271	2	21.135	18.923
Error(instrumental)	Linear	905.751	546	1.659	
	Quadratic	596.484	546	1.092	
	Cubic	520.233	546	.953	
	Order 4	571.775	546	1.047	
	Order 5	470.811	546	.862	
	Order 6	460.807	546	.844	
	Order 7	609.845	546	1.117	

### Tests of Within-Subjects Contrasts

Measure: MEASURE\_1

Source	instrumental	Sig.	Partial Eta Squared	Noncent. Parameter
instrumental	Linear	.000	.093	55.893
	Quadratic	.136	.004	2.228
	Cubic	.000	.307	241.620
	Order 4	.528	.001	.400
	Order 5	.000	.311	245.969
	Order 6	.333	.002	.937
	Order 7	.000	.155	100.213
instrumental * Age3categories	Linear	.000	.071	41.469
	Quadratic	.000	.078	45.905
	Cubic	.179	.006	3.455
	Order 4	.064	.010	5.520
	Order 5	.248	.005	2.793
	Order 6	.241	.005	2.857
	Order 7	.000	.065	37.846
Error(instrumental)	Linear			
	Quadratic			
	Cubic			
	Order 4			
	Order 5			
	Order 6			
	Order 7			

### Tests of Within-Subjects Contrasts

Measure: MEASURE\_1

Source	instrumental	Observed Power <sup>a</sup>
instrumental	Linear	1.000
	Quadratic	.319
	Cubic	1.000
	Order 4	.097
	Order 5	1.000
	Order 6	.162
	Order 7	1.000
instrumental * Age3categories	Linear	1.000
	Quadratic	1.000
	Cubic	.363
	Order 4	.544
	Order 5	.300
	Order 6	.306
	Order 7	1.000
Error(instrumental)	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	20586.855	1	20586.855	7241.353	.000	.930
Age3categories	175.866	2	87.933	30.930	.000	.102
Error	1552.255	546	2.843			

### Tests of Between-Subjects Effects

Measure: MEASURE\_1

Transformed Variable: Average

Source	Noncent. Parameter	Observed Power <sup>a</sup>
Intercept	7241.353	1.000
Age3categories	61.860	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
2.471	.029	2.414	2.528

### 2. Age3categories

Measure: MEASURE\_1

Age3categories	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1.00	2.725	.036	2.653	2.796
2.00	2.562	.042	2.479	2.644
3.00	2.126	.067	1.994	2.258

### 3. instrumental

Measure: MEASURE\_1

instrumental	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	2.916	.052	2.813	3.018
2	2.676	.057	2.563	2.789
3	2.225	.054	2.119	2.332
4	1.862	.050	1.764	1.961
5	3.134	.064	3.009	3.259
6	2.792	.046	2.702	2.882
7	2.194	.051	2.095	2.294
8	1.967	.067	1.835	2.099

#### 4. Age3categories \* instrumental

Measure: MEASURE\_1

		Mean	Std. Error	95% Confidence Interval	
Age3categories	instrumental			Lower Bound	Upper Bound
1.00	1	3.633	.065	3.505	3.761
	2	3.193	.072	3.052	3.335
	3	2.405	.068	2.271	2.539
	4	2.160	.063	2.037	2.283
	5	2.901	.080	2.744	3.057
	6	3.037	.057	2.925	3.150
	7	2.353	.063	2.229	2.478
	8	2.115	.084	1.950	2.281
2.00	1	3.126	.076	2.978	3.274
	2	2.877	.083	2.714	3.041
	3	2.182	.079	2.028	2.337
	4	1.934	.072	1.792	2.076
	5	3.197	.092	3.016	3.378
	6	2.882	.066	2.752	3.013
	7	2.267	.073	2.123	2.411
	8	2.027	.097	1.835	2.218
3.00	1	1.987	.120	1.751	2.224
	2	1.958	.133	1.697	2.218
	3	2.089	.126	1.842	2.336
	4	1.494	.115	1.267	1.720
	5	3.304	.147	3.015	3.593
	6	2.456	.106	2.248	2.663
	7	1.962	.117	1.732	2.192
	8	1.759	.155	1.454	2.065

#### 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	.1632*	.05558	.003	.0540
	3.00	.5987*	.07629	.000	.4488
2.00	1.00	-.1632*	.05558	.003	-.2724
	3.00	.4355*	.07916	.000	.2800
3.00	1.00	-.5987*	.07629	.000	-.7485
	2.00	-.4355*	.07916	.000	-.5910

### Multiple Comparisons

Measure: MEASURE\_1

LSD

(I) Age3categories	(J) Age3categories	95% ...
		Upper Bound
1.00	2.00	.2724
	3.00	.7485
2.00	1.00	-.0540
	3.00	.5910
3.00	1.00	-.4488
	2.00	-.2800

Based on observed means.

The error term is Mean Square(Error) = .355.

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

## Profile Plots

