```
GET DATA
  /TYPE=XLS
  /FILE='D:\Grants\2007 - VALUE ellis\zoran\data-july7-clean.xls'
  /SHEET=name 'Sheet1'
  /CELLRANGE=full
  /READNAMES=on
  /ASSUMEDSTRWIDTH=32767.
DATASET NAME DataSet1 WINDOW=FRONT.
SAVE OUTFILE='D:\Grants\2007 - VALUE ellis\zoran\july7.sav'
  /COMPRESSED.
GLM bigPrec MbigPower MsmallPrec smallPower
  /WSFACTOR=big_small 2 Polynomial prec_pow 2 Polynomial
  /METHOD=SSTYPE(3)
  /PLOT=PROFILE(prec_pow*big_small big_small*prec_pow)
  /EMMEANS=TABLES(big_small*prec_pow)
  /CRITERIA=ALPHA(.05)
  /WSDESIGN=big_small prec_pow big_small*prec_pow.
```

General Linear Model

```
[DataSet1] D:\Grants\2007 - VALUE ellis\zoran\july7.sav
```

Within-Subjects Factors

Measure:MEASURE_1

big_s...	prec_pow	Dependent Variable
1	1	bigPrec
	2	MbigPower
2	1	MsmallPrec
	2	smallPower

Multivariate Tests[b]

Effect		Value	F	Hypothesis df	Error df	Sig.
big_small	Pillai's Trace	.036	.186[a]	1.000	5.000	.684
	Wilks' Lambda	.964	.186[a]	1.000	5.000	.684
	Hotelling's Trace	.037	.186[a]	1.000	5.000	.684
	Roy's Largest Root	.037	.186[a]	1.000	5.000	.684
prec_pow	Pillai's Trace	.044	.228[a]	1.000	5.000	.653
	Wilks' Lambda	.956	.228[a]	1.000	5.000	.653
	Hotelling's Trace	.046	.228[a]	1.000	5.000	.653

a. Exact statistic

b. Design: Intercept
Within Subjects Design: big_small + prec_pow + big_small * prec_pow

Multivariate Tests[b]

Effect		Value	F	Hypothesis df	Error df	Sig.
prec_pow	Roy's Largest Root	.046	.228[a]	1.000	5.000	.653
big_small * prec_pow	Pillai's Trace	.688	11.008[a]	1.000	5.000	.021
	Wilks' Lambda	.312	11.008[a]	1.000	5.000	.021
	Hotelling's Trace	2.202	11.008[a]	1.000	5.000	.021
	Roy's Largest Root	2.202	11.008[a]	1.000	5.000	.021

a. Exact statistic

b. Design: Intercept
Within Subjects Design: big_small + prec_pow + big_small * prec_pow

Mauchly's Test of Sphericity[b]

Measure:MEASURE_1

Within Subjects Effect	Mauchly's W	Approx. Chi-Square	df	Sig.	Epsilon[a] Greenhouse-Geisser
big_small	1.000	.000	0	.	1.000
prec_pow	1.000	.000	0	.	1.000
big_small * prec_pow	1.000	.000	0	.	1.000

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
Within Subjects Design: big_small + prec_pow + big_small * prec_pow

Mauchly's Test of Sphericity[b]

Measure:MEASURE_1

Within Subjects Effect	Epsilon[a] Huynh-Feldt	Lower-bound
big_small	1.000	1.000
prec_pow	1.000	1.000
big_small * prec_pow	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. 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
Within Subjects Design: big_small + prec_pow + big_small * prec_pow

Tests of Within-Subjects Effects

Measure:MEASURE_1

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
big_small	Sphericity Assumed	7.069E-6	1	7.069E-6	.186	.684
	Greenhouse-Geisser	7.069E-6	1.000	7.069E-6	.186	.684

Tests of Within-Subjects Effects

Measure:MEASURE_1

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
big_small	Huynh-Feldt	7.069E-6	1.000	7.069E-6	.186	.684
	Lower-bound	7.069E-6	1.000	7.069E-6	.186	.684
Error(big_small)	Sphericity Assumed	.000	5	3.790E-5		
	Greenhouse-Geisser	.000	5.000	3.790E-5		
	Huynh-Feldt	.000	5.000	3.790E-5		
	Lower-bound	.000	5.000	3.790E-5		
prec_pow	Sphericity Assumed	4.190E-6	1	4.190E-6	.228	.653
	Greenhouse-Geisser	4.190E-6	1.000	4.190E-6	.228	.653
	Huynh-Feldt	4.190E-6	1.000	4.190E-6	.228	.653
	Lower-bound	4.190E-6	1.000	4.190E-6	.228	.653
Error(prec_pow)	Sphericity Assumed	9.201E-5	5	1.840E-5		
	Greenhouse-Geisser	9.201E-5	5.000	1.840E-5		
	Huynh-Feldt	9.201E-5	5.000	1.840E-5		
	Lower-bound	9.201E-5	5.000	1.840E-5		
big_small * prec_pow	Sphericity Assumed	.000	1	.000	11.008	.021
	Greenhouse-Geisser	.000	1.000	.000	11.008	.021
	Huynh-Feldt	.000	1.000	.000	11.008	.021
	Lower-bound	.000	1.000	.000	11.008	.021
Error (big_small*prec_pow)	Sphericity Assumed	.000	5	4.114E-5		
	Greenhouse-Geisser	.000	5.000	4.114E-5		
	Huynh-Feldt	.000	5.000	4.114E-5		
	Lower-bound	.000	5.000	4.114E-5		

Tests of Within-Subjects Contrasts

Measure:MEASURE_1

Source	big_small	prec_pow	Type III Sum of Squares	df	Mean Square
big_small	Linear	prec_pow	7.069E-6	1	7.069E-6
Error(big_small)	Linear	prec_pow	.000	5	3.790E-5
prec_pow	big_small * prec_pow	Linear	4.190E-6	1	4.190E-6
Error(prec_pow)	big_small * prec_pow	Linear	9.201E-5	5	1.840E-5
big_small * prec_pow	Linear	Linear	.000	1	.000
Error (big_small*prec_pow)	Linear	Linear	.000	5	4.114E-5

Tests of Within-Subjects Contrasts

Measure:MEASURE_1

Source	big_small	prec_pow	F	Sig.
big_small	Linear	prec_pow	.186	.684
Error(big_small)	Linear	prec_pow		
prec_pow	big_small * prec_pow	Linear	.228	.653
Error(prec_pow)	big_small * prec_pow	Linear		
big_small * prec_pow	Linear	Linear	11.008	.021
Error (big_small*prec_pow)	Linear	Linear		

Tests of Between-Subjects Effects

Measure:MEASURE_1
Transformed Variable:Average

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Intercept	.055	1	.055	50308.814	.000
Error	5.492E-6	5	1.098E-6		

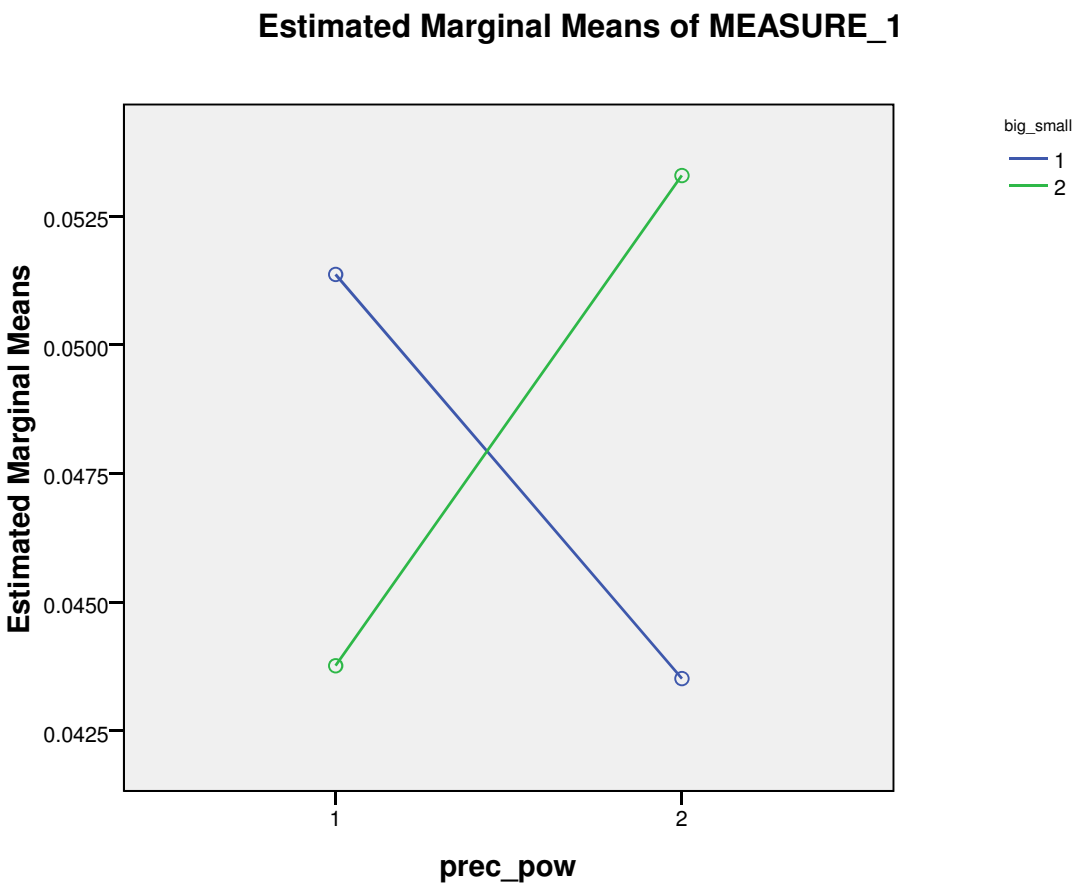
Estimated Marginal Means

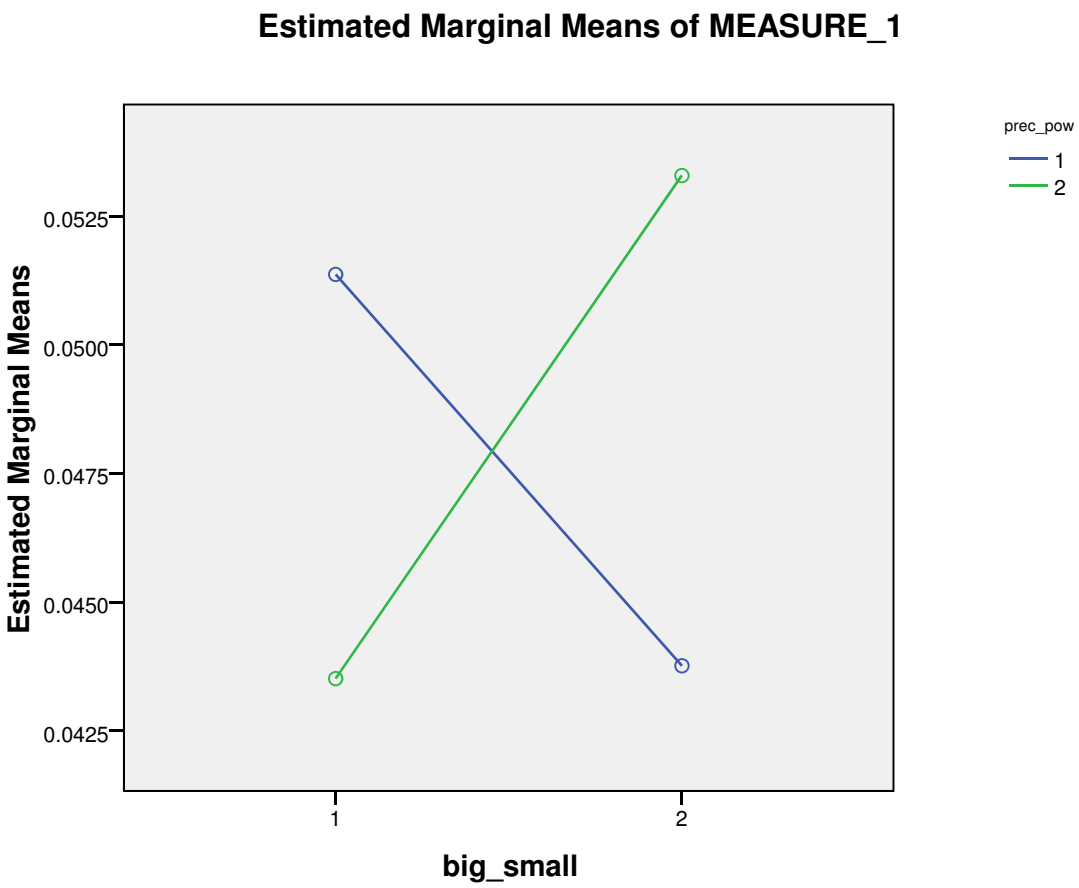
big_small * prec_pow

Measure:MEASURE_1

big_small	prec_pow	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
1	1	.051	.003	.043	.060
	2	.044	.001	.040	.047
2	1	.044	.002	.040	.048
	2	.053	.002	.049	.057

Profile Plots


Estimated Marginal Means of MEASURE_1
Estimated Marginal Means
0.0525
0.0500
0.0475
0.0450
0.0425
1
2
prec_pow
big_small
1
2


Estimated Marginal Means of MEASURE_1
Estimated Marginal Means
0.0525
0.0500
0.0475
0.0450
0.0425
1
2
big_small
prec_pow
1
2