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GLM D A S BY Sex
  /WSFACTOR=DAS 3 Polynomial
  /METHOD=SSTYPE(3)
  /PRINT=DESCRIPTIVE ETASQ OPOWER
  /CRITERIA=ALPHA(.05)
  /WSDESIGN=DAS
  /DESIGN=Sex.

```

General Linear Model

Notes

Output Created	18-OCT-2012 11:28:12	
Comments		
Input	Data	P:\2011\variabledata.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	580
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 D A S BY Sex /WSFACTOR=DAS 3 Polynomial /METHOD=SSTYPE(3) /PRINT=DESCRIPTIVE ETASQ OPOWER /CRITERIA=ALPHA(.05) /WSDESIGN=DAS /DESIGN=Sex.	
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.03

[DataSet1] P:\2011\variabledata.sav

Within-Subjects Factors

Measure: MEASURE_1

DAS	Dependent Variable
1	D
2	A
3	S

**Between-Subjects
Factors**

	N
Sex 1	155
2	417

Descriptive Statistics

	Sex	Mean	Std. Deviation	N
D	1	7.95	9.758	155
	2	7.86	9.036	417
	Total	7.89	9.228	572
A	1	5.75	6.873	155
	2	6.87	7.575	417
	Total	6.57	7.403	572
S	1	11.11	9.407	155
	2	12.80	9.554	417
	Total	12.34	9.536	572

Multivariate Tests^a

Effect		Value	F	Hypothesis df	Error df	Sig.
DAS	Pillai's Trace	.453	235.884 ^b	2.000	569.000	.000
	Wilks' Lambda	.547	235.884 ^b	2.000	569.000	.000
	Hotelling's Trace	.829	235.884 ^b	2.000	569.000	.000
	Roy's Largest Root	.829	235.884 ^b	2.000	569.000	.000
DAS * Sex	Pillai's Trace	.014	4.099 ^b	2.000	569.000	.017
	Wilks' Lambda	.986	4.099 ^b	2.000	569.000	.017
	Hotelling's Trace	.014	4.099 ^b	2.000	569.000	.017
	Roy's Largest Root	.014	4.099 ^b	2.000	569.000	.017

Multivariate Tests^a

Effect		Partial Eta Squared	Noncent. Parameter	Observed Power ^c
DAS	Pillai's Trace	.453	471.768	1.000
	Wilks' Lambda	.453	471.768	1.000
	Hotelling's Trace	.453	471.768	1.000
	Roy's Largest Root	.453	471.768	1.000
DAS * Sex	Pillai's Trace	.014	8.199	.726
	Wilks' Lambda	.014	8.199	.726
	Hotelling's Trace	.014	8.199	.726
	Roy's Largest Root	.014	8.199	.726

a. Design: Intercept + Sex
Within Subjects Design: DAS

b. Exact statistic

c. 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
DAS	.961	22.510	2	.000	.963

Mauchly's Test of Sphericity^a

Measure: MEASURE_1

Within Subjects Effect	Epsilon ^b	
	Huynh-Feldt	Lower-bound
DAS	.968	.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 + Sex

Within Subjects Design: DAS

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
DAS	Sphericity Assumed	7658.039	2	3829.019	195.726
	Greenhouse-Geisser	7658.039	1.925	3977.541	195.726
	Huynh-Feldt	7658.039	1.935	3957.433	195.726
	Lower-bound	7658.039	1.000	7658.039	195.726
DAS * Sex	Sphericity Assumed	186.486	2	93.243	4.766
	Greenhouse-Geisser	186.486	1.925	96.860	4.766
	Huynh-Feldt	186.486	1.935	96.370	4.766
	Lower-bound	186.486	1.000	186.486	4.766
Error(DAS)	Sphericity Assumed	22301.994	1140	19.563	
	Greenhouse-Geisser	22301.994	1097.432	20.322	
	Huynh-Feldt	22301.994	1103.009	20.219	
	Lower-bound	22301.994	570.000	39.126	

Tests of Within-Subjects Effects

Measure: MEASURE_1

Source		Sig.	Partial Eta Squared	Noncent. Parameter	Observed Power ^a
DAS	Sphericity Assumed	.000	.256	391.452	1.000
	Greenhouse-Geisser	.000	.256	376.835	1.000
	Huynh-Feldt	.000	.256	378.750	1.000
	Lower-bound	.000	.256	195.726	1.000
DAS * Sex	Sphericity Assumed	.009	.008	9.533	.794
	Greenhouse-Geisser	.010	.008	9.177	.783
	Huynh-Feldt	.009	.008	9.223	.785
	Lower-bound	.029	.008	4.766	.587
Error(DAS)	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	Sig.
DAS	Linear	3708.133	1	3708.133	169.359	.000
	Quadratic	3949.906	1	3949.906	229.230	.000
DAS * Sex	Linear	178.762	1	178.762	8.164	.004
	Quadratic	7.724	1	7.724	.448	.503
Error(DAS)	Linear	12480.234	570	21.895		
	Quadratic	9821.759	570	17.231		

Tests of Within-Subjects Contrasts

Measure: MEASURE_1

Source		Partial Eta Squared	Noncent. Parameter	Observed Power ^a
DAS	Linear	.229	169.359	1.000
	Quadratic	.287	229.230	1.000
DAS * Sex	Linear	.014	8.164	.814
	Quadratic	.001	.448	.103
Error(DAS)	Linear			
	Quadratic			

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	103209.055	1	103209.055	539.345	.000	.486
Sex	281.363	1	281.363	1.470	.226	.003
Error	109075.264	570	191.360			

Tests of Between-Subjects Effects

Measure: MEASURE_1

Transformed Variable: Average

Source	Noncent. Parameter	Observed Power ^a
Intercept	539.345	1.000
Sex	1.470	.228
Error		

a. Computed using alpha = .05