```
GLM length ldt naming hal loghal kandf BY group
  /WSFACTOR=stuff 6 Polynomial
  /METHOD=SSTYPE(3)
  /CRITERIA=ALPHA(.05)
  /WSDESIGN=stuff
  /DESIGN=group.
```

General Linear Model

[DataSet0]

Within-Subjects Factors

Measure:MEASURE_1

stuff	Dependent Variable
1	length
2	ldt
3	naming
4	hal
5	loghal
6	kandf

Between-Subjects Factors

		N
group	1	49
	2	51
	3	53
	4	113

Multivariate Tests[c]

Effect		Value	F	Hypothesis df	Error df	Sig.
stuff	Pillai's Trace	.992	8.031E3[a]	4.000	259.000	.000
	Wilks' Lambda	.008	8.031E3[a]	4.000	259.000	.000
	Hotelling's Trace	124.023	8.031E3[a]	4.000	259.000	.000
	Roy's Largest Root	124.023	8.031E3[a]	4.000	259.000	.000
stuff * group	Pillai's Trace	.097	2.178	12.000	783.000	.011

a. Exact statistic

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

c. Design: Intercept + group
Within Subjects Design: stuff

Multivariate Tests[c]

Effect		Value	F	Hypothesis df	Error df	Sig.
stuff * group	Wilks' Lambda	.904	2.214	12.000	685.541	.010
	Hotelling's Trace	.105	2.244	12.000	773.000	.009
	Roy's Largest Root	.090	5.882[b]	4.000	261.000	.000

a. Exact statistic

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

c. Design: Intercept + group
Within Subjects Design: stuff

Mauchly's Test of Sphericity[b]

Measure:MEASURE_1

Within Subject…	Mauchly's W	Approx. Chi-Square	df	Sig.	Epsilon[a]		
					Greenhouse-Geisser	Huynh-Feldt	Lower-bound
stuff	.000	19219.298	14	.000	.200	.202	.200

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: stuff

Tests of Within-Subjects Effects

Measure:MEASURE_1

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
stuff	Sphericity Assumed	1.077E12	5	2.155E11	3.048	.010
	Greenhouse-Geisser	1.077E12	1.000	1.077E12	3.048	.082

Tests of Within-Subjects Effects

Measure:MEASURE_1

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
stuff	Huynh-Feldt	1.077E12	1.011	1.065E12	3.048	.082
	Lower-bound	1.077E12	1.000	1.077E12	3.048	.082
stuff * group	Sphericity Assumed	1.291E12	15	8.605E10	1.217	.251
	Greenhouse-Geisser	1.291E12	3.000	4.302E11	1.217	.304
	Huynh-Feldt	1.291E12	3.034	4.253E11	1.217	.304
	Lower-bound	1.291E12	3.000	4.302E11	1.217	.304
Error(stuff)	Sphericity Assumed	9.260E13	1310	7.069E10		
	Greenhouse-Geisser	9.260E13	262.000	3.534E11		
	Huynh-Feldt	9.260E13	265.012	3.494E11		
	Lower-bound	9.260E13	262.000	3.534E11		

Tests of Within-Subjects Contrasts

Measure:MEASURE_1

Source	stuff	Type III Sum of Squares	df	Mean Square	F	Sig.
stuff	Linear	1.754E10	1	1.754E10	2.867	.092
	Quadratic	2.527E11	1	2.527E11	3.134	.078
	Cubic	1.100E11	1	1.100E11	2.923	.088
	Order 4	1.845E11	1	1.845E11	3.041	.082
	Order 5	5.127E11	1	5.127E11	3.044	.082
stuff * group	Linear	2.232E10	3	7.439E9	1.216	.304
	Quadratic	2.946E11	3	9.819E10	1.218	.304
	Cubic	1.373E11	3	4.577E10	1.216	.304
	Order 4	2.215E11	3	7.384E10	1.217	.304
	Order 5	6.150E11	3	2.050E11	1.217	.304
Error(stuff)	Linear	1.603E12	262	6.118E9		
	Quadratic	2.112E13	262	8.063E10		
	Cubic	9.858E12	262	3.763E10		
	Order 4	1.589E13	262	6.067E10		
	Order 5	4.412E13	262	1.684E11		

Tests of Between-Subjects Effects

Measure:MEASURE_1
Transformed Variable:Average

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Intercept	2.253E11	1	2.253E11	3.181	.076
group	2.589E11	3	8.630E10	1.218	.304
Error	1.856E13	262	7.085E10		