```
NOMREG Psychogeometry (BASE=LAST ORDER=ASCENDING) WITH Forest_is_cut
Caravan_goes Normativity
    Gender Age Children Baby_shoes
  /CRITERIA CIN(95) DELTA(0) MXITER(100) MXSTEP(5) CHKSEP(20) LCONVERGE(0)
PCONVERGE(0.000001)
    SINGULAR(0.00000001)
  /MODEL
  /STEPWISE=PIN(.05) POUT(0.1) MINEFFECT(0) RULE(SINGLE) ENTRYMETHOD(LR)
REMOVALMETHOD(LR)
  /INTERCEPT=INCLUDE
  /PRINT=FIT PARAMETER SUMMARY LRT CPS STEP MFI IC.
```

Nominal Regression

Notes

Output Created		29-APR-2021 18:34:18
Comments		
Input	Data	C:\Users\vitart0\OneDrive\Documents\!MyDocs\!Sience\SPSS\Hemingway\Hemingway's six-word story effect (en).sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	103
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		NOMREG Psychogeometry (BASE=LAST ORDER=ASCENDING) WITH Forest_is_cut Caravan_goes Normativity Gender Age Children Baby_shoes /CRITERIA CIN(95) DELTA(0) MXITER(100) MXSTEP(5) CHKSEP(20) LCONVERGE(0) PCONVERGE(0.000001) SINGULAR(0.00000001) /MODEL /STEPWISE=PIN(.05) POUT(0.1) MINEFFECT(0) RULE(SINGLE) ENTRYMETHOD(LR) REMOVALMETHOD(LR) /INTERCEPT=INCLUDE /PRINT=FIT PARAMETER SUMMARY LRT CPS STEP MFI IC.
Resources	Processor Time	00:00:00.03
	Elapsed Time	00:00:00.02

Warnings

There are 359 (78.0%) cells (i.e., dependent variable levels by subpopulations) with zero frequencies.

Case Processing Summary

		N	Marginal Percentage
Psychogeometry	circle	21	20.4%
	squiggle	21	20.4%
	triangle	22	21.4%
	square	27	26.2%
	rectangle	12	11.7%
Valid		103	100.0%

Missing	0	
Total	103	
Subpopulation	92[a]	

a. The dependent variable has only one value observed in 83 (90.2%) subpopulations.

Model Fitting Information

	Model Fitting Criteria			Likelihood Ratio Tests		
Model	AIC	BIC	-2 Log Likelihood	Chi-Square	df	Sig.
Intercept Only	320.919	331.458	312.919			
Final	356.014	429.786	300.014	12.905	24	.968

Goodness-of-Fit

	Chi-Square	df	Sig.
Pearson	363.256	340	.185
Deviance	287.537	340	.982

Pseudo R-Square

Cox and Snell	.118
Nagelkerke	.123
McFadden	.040

Likelihood Ratio Tests

	Model Fitting Criteria			Likelihood Ratio Tests		
Effect	AIC of Reduced Model	BIC of Reduced Model	-2 Log Likelihood of Reduced Model	Chi-Square	df	Sig.
Intercept	356.014	429.786	300.014[a]	.000	0	.
Forest_is_cut	356.014	429.786	300.014[a]	.000	0	.
Caravan_goes	356.014	429.786	300.014[a]	.000	0	.
Normativity	356.014	429.786	300.014[a]	.000	0	.
Gender	350.116	413.350	302.116	2.103	4	.717
Age	352.578	415.812	304.578	4.565	4	.335
Children	351.422	414.655	303.422	3.408	4	.492
Baby_shoes	350.985	414.219	302.985	2.972	4	.563

The chi-square statistic is the difference in -2 log-likelihoods between the final model and a reduced model. The reduced model is formed by omitting an effect from the final model. The null hypothesis is that all parameters of that effect are 0.

a. This reduced model is equivalent to the final model because omitting the effect does not increase the degrees of freedom.

Parameter Estimates

Psychogeometry[a]		B	Std. Error	Wald	df	Sig.	Exp(B)	95% Confidence Interval for Exp(B)	
								Lower Bound	Upper Bound
circle	Intercept	.246	2.945	.007	1	.933			
	Forest_is_cut	-.757	.907	.696	1	.404	.469	.079	2.777
	Caravan_goes	-.183	.813	.051	1	.822	.832	.169	4.096
	Normativity	0[b]	.	.	0	.	.	.	.
	Gender	.805	.783	1.056	1	.304	2.236	.482	10.380
	Age	-.078	.052	2.273	1	.132	.925	.836	1.024
	Children	1.294	1.073	1.454	1	.228	3.646	.445	29.870
	Baby_shoes	1.379	.925	2.220	1	.136	3.970	.647	24.349
squiggle	Intercept	3.079	2.821	1.192	1	.275			
	Forest_is_cut	-.189	.896	.045	1	.833	.827	.143	4.788
	Caravan_goes	-.597	.817	.534	1	.465	.550	.111	2.730
	Normativity	0[b]	.	.	0	.	.	.	.
	Gender	.488	.764	.408	1	.523	1.629	.365	7.277
	Age	-.103	.053	3.810	1	.051	.902	.814	1.000
	Children	1.731	1.081	2.564	1	.109	5.647	.679	46.995
	Baby_shoes	.347	.839	.172	1	.679	1.415	.273	7.326
triangle	Intercept	.133	2.830	.002	1	.962			
	Forest_is_cut	-.705	.899	.615	1	.433	.494	.085	2.878
	Caravan_goes	-.171	.800	.046	1	.831	.843	.176	4.043
	Normativity	0[b]	.	.	0	.	.	.	.
	Gender	1.042	.776	1.801	1	.180	2.835	.619	12.985
	Age	-.050	.050	.983	1	.321	.951	.862	1.050
	Children	.789	1.066	.548	1	.459	2.201	.272	17.779
	Baby_shoes	.804	.848	.900	1	.343	2.235	.424	11.777
square	Intercept	3.318	2.711	1.498	1	.221			
	Forest_is_cut	-.967	.916	1.113	1	.291	.380	.063	2.291
	Caravan_goes	-.718	.798	.809	1	.368	.488	.102	2.332
	Normativity	0[b]	.	.	0	.	.	.	.
	Gender	.521	.731	.508	1	.476	1.684	.402	7.055
	Age	-.075	.049	2.303	1	.129	.928	.843	1.022

	Children	1.434	1.052	1.858	1	.173	4.194	.534	32.966
	Baby_shoes	.480	.796	.365	1	.546	1.617	.340	7.692

a. The reference category is: rectangle.

b. This parameter is set to zero because it is redundant.