```
NPAR TESTS
  /CHISQUARE=Baby_shoes Forest_is_cut Caravan_goes Gender Age Psychogeometry
Children
  /EXPECTED=EQUAL
  /MISSING ANALYSIS.
```

NPar Tests

Notes

Output Created		23-APR-2021 18:19:32
Comments		
Input	Data	C:\Users\vitart0\OneDrive\Documents\!MyDocs\!Sience\SPSS\Hemingway\Hemingway's six-word story effect (en).sav
	Active Dataset	DataSet1
	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 for each test are based on all cases with valid data for the variable(s) used in that test.
Syntax		NPAR TESTS /CHISQUARE=Baby_shoes Forest_is_cut Caravan_goes Gender Age Psychogeometry Children /EXPECTED=EQUAL /MISSING ANALYSIS.
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.01

Number of Cases Allowed[a]	314572

a. Based on availability of workspace memory.

Chi-Square Test

Frequencies

Baby_shoes

	Observed N	Expected N	Residual
sad interpretation	26	51.5	-25.5
pragmatic interpretation	77	51.5	25.5
Total	103		

Forest_is_cut

	Observed N	Expected N	Residual
normative interpretation	79	51.5	27.5
deviating interpretation	24	51.5	-27.5
Total	103		

Caravan_goes

	Observed N	Expected N	Residual
normative interpretation	68	51.5	16.5
deviating interpretation	35	51.5	-16.5
Total	103		

Gender

	Observed N	Expected N	Residual
male	37	51.5	-14.5
female	66	51.5	14.5

Total	103		

Age

	Observed N	Expected N	Residual
20	2	2.9	-.9
21	1	2.9	-1.9
22	5	2.9	2.1
23	2	2.9	-.9
24	3	2.9	.1
26	2	2.9	-.9
27	3	2.9	.1
28	4	2.9	1.1
29	3	2.9	.1
30	6	2.9	3.1
31	3	2.9	.1
32	5	2.9	2.1
33	4	2.9	1.1
34	3	2.9	.1
35	3	2.9	.1
36	6	2.9	3.1
37	3	2.9	.1
38	7	2.9	4.1
39	2	2.9	-.9
40	3	2.9	.1
41	2	2.9	-.9
42	2	2.9	-.9
43	2	2.9	-.9
44	3	2.9	.1
45	3	2.9	.1
46	2	2.9	-.9
47	2	2.9	-.9
48	1	2.9	-1.9
49	1	2.9	-1.9
50	7	2.9	4.1
51	1	2.9	-1.9
53	1	2.9	-1.9
55	3	2.9	.1
59	2	2.9	-.9
64	1	2.9	-1.9

Total	103		

Psychogeometry

	Observed N	Expected N	Residual
circle	21	20.6	.4
squiggle	21	20.6	.4
triangle	22	20.6	1.4
square	27	20.6	6.4
rectangle	12	20.6	-8.6
Total	103		

Children

	Observed N	Expected N	Residual
no	40	51.5	-11.5
yes	63	51.5	11.5
Total	103		

Test Statistics

	Baby_shoes	Forest_is_cut	Caravan_goes	Gender	Age	Psychogeometry	Children
Chi-Square	25.252[a]	29.369[a]	10.573[a]	8.165[a]	31.903[b]	5.689[c]	5.136[a]
df	1	1	1	1	34	4	1
Asymp. Sig.	.000	.000	.001	.004	.571	.224	.023

a. 0 cells (0.0%) have expected frequencies less than 5. The minimum expected cell frequency is 51.5.

b. 35 cells (100.0%) have expected frequencies less than 5. The minimum expected cell frequency is 2.9.

c. 0 cells (0.0%) have expected frequencies less than 5. The minimum expected cell frequency is 20.6.

```
CROSSTABS
  /TABLES=Forest_is_cut Caravan_goes Normativity Gender Age Psychogeometry
Children BY Baby_shoes
  /FORMAT=AVALUE TABLES
  /STATISTICS=CHISQ LAMBDA
  /CELLS=COUNT
  /COUNT ROUND CELL.
```

Crosstabs

Notes

Output Created		23-APR-2021 18:21:26
Comments		
Input	Data	C:\Users\vitart0\OneDrive\Documents\!MyDocs\!Sience\SPSS\Hemingway\Hemingway's six-word story effect (en).sav
	Active Dataset	DataSet1
	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 for each table are based on all the cases with valid data in the specified range(s) for all variables in each table.
Syntax		CROSSTABS /TABLES=Forest_is_cut Caravan_goes Normativity Gender Age Psychogeometry Children BY Baby_shoes /FORMAT=AVALUE TABLES /STATISTICS=CHISQ LAMBDA /CELLS=COUNT /COUNT ROUND CELL.
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.02

	Dimensions Requested	2
	Cells Available	524245

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
Forest_is_cut * Baby_shoes	103	100.0%	0	0.0%	103	100.0%
Caravan_goes * Baby_shoes	103	100.0%	0	0.0%	103	100.0%
Normativity * Baby_shoes	103	100.0%	0	0.0%	103	100.0%
Gender * Baby_shoes	103	100.0%	0	0.0%	103	100.0%
Age * Baby_shoes	103	100.0%	0	0.0%	103	100.0%
Psychogeometry * Baby_shoes	103	100.0%	0	0.0%	103	100.0%
Children * Baby_shoes	103	100.0%	0	0.0%	103	100.0%

Forest_is_cut * Baby_shoes

Crosstab

Count

		Baby_shoes		
		sad interpretation	pragmatic interpretation	Total
Forest_is_cut	normative interpretation	24	55	79
	deviating interpretation	2	22	24
Total		26	77	103

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	4.741[a]	1	.029		
Continuity Correction[b]	3.645	1	.056		

Likelihood Ratio	5.599	1	.018		
Fisher's Exact Test				.033	.022
Linear-by-Linear Association	4.695	1	.030		
N of Valid Cases	103				

a. 0 cells (0.0%) have expected count less than 5. The minimum expected count is 6.06.

b. Computed only for a 2x2 table

Directional Measures

			Value	Asymptotic Standard Error[a]	Approximate T	Approximate Significance
Nominal by Nominal	Lambda	Symmetric	.000	.000	.[b]	.[b]
		Forest_is_cut Dependent	.000	.000	.[b]	.[b]
		Baby_shoes Dependent	.000	.000	.[b]	.[b]
	Goodman and Kruskal tau	Forest_is_cut Dependent	.046	.030		.030[c]
		Baby_shoes Dependent	.046	.030		.030[c]

a. Not assuming the null hypothesis.

b. Cannot be computed because the asymptotic standard error equals zero.

c. Based on chi-square approximation

Caravan_goes * Baby_shoes

Crosstab

Count

		Baby_shoes		
		sad interpretation	pragmatic interpretation	Total
Caravan_goes	normative interpretation	18	50	68
	deviating interpretation	8	27	35
Total		26	77	103

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	.160[a]	1	.689		
Continuity Correction[b]	.026	1	.873		
Likelihood Ratio	.162	1	.688		
Fisher's Exact Test				.812	.441
Linear-by-Linear Association	.158	1	.691		
N of Valid Cases	103				

a. 0 cells (0.0%) have expected count less than 5. The minimum expected count is 8.83.

b. Computed only for a 2x2 table

Directional Measures

			Value	Asymptotic Standard Error[a]	Approximate T	Approximate Significance
Nominal by Nominal	Lambda	Symmetric	.000	.000	.[b]	.[b]
		Caravan_goes Dependent	.000	.000	.[b]	.[b]
		Baby_shoes Dependent	.000	.000	.[b]	.[b]
	Goodman and Kruskal tau	Caravan_goes Dependent	.002	.008		.691[c]
		Baby_shoes Dependent	.002	.008		.691[c]

a. Not assuming the null hypothesis.

b. Cannot be computed because the asymptotic standard error equals zero.

c. Based on chi-square approximation

Normativity * Baby_shoes

Crosstab

Count

	Baby_shoes	Total

		sad interpretation	pragmatic interpretation	
Normativity	0	1	12	13
	1	8	25	33
	2	17	40	57
Total		26	77	103

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	2.774[a]	2	.250
Likelihood Ratio	3.313	2	.191
Linear-by-Linear Association	2.454	1	.117
N of Valid Cases	103		

a. 1 cells (16.7%) have expected count less than 5. The minimum expected count is 3.28.

Directional Measures

			Value	Asymptotic Standard Error[a]	Approximate T	Approximate Significance
Nominal by Nominal	Lambda	Symmetric	.000	.000	.[b]	.[b]
		Normativity Dependent	.000	.000	.[b]	.[b]
		Baby_shoes Dependent	.000	.000	.[b]	.[b]
	Goodman and Kruskal tau	Normativity Dependent	.011	.012		.341[c]
		Baby_shoes Dependent	.027	.023		.253[c]

a. Not assuming the null hypothesis.

b. Cannot be computed because the asymptotic standard error equals zero.

c. Based on chi-square approximation

Gender * Baby_shoes

Crosstab

Count

		Baby_shoes		
		sad interpretation	pragmatic interpretation	Total
Gender	male	9	28	37
	female	17	49	66
Total		26	77	103

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	.026[a]	1	.872		
Continuity Correction[b]	.000	1	1.000		
Likelihood Ratio	.026	1	.872		
Fisher's Exact Test				1.000	.535
Linear-by-Linear Association	.026	1	.873		
N of Valid Cases	103				

a. 0 cells (0.0%) have expected count less than 5. The minimum expected count is 9.34.

b. Computed only for a 2x2 table

Directional Measures

			Value	Asymptotic Standard Error[a]	Approximate T	Approximate Significance
Nominal by Nominal	Lambda	Symmetric	.000	.000	.[b]	.[b]
		Gender Dependent	.000	.000	.[b]	.[b]
		Baby_shoes Dependent	.000	.000	.[b]	.[b]
	Goodman and Kruskal tau	Gender Dependent	.000	.003		.873[c]
		Baby_shoes Dependent	.000	.003		.873[c]

a. Not assuming the null hypothesis.

b. Cannot be computed because the asymptotic standard error equals zero.

c. Based on chi-square approximation

Age * Baby_shoes

Crosstab

Count

		Baby_shoes		
		sad interpretation	pragmatic interpretation	Total
Age	20	1	1	2
	21	0	1	1
	22	1	4	5
	23	0	2	2
	24	2	1	3
	26	0	2	2
	27	0	3	3
	28	1	3	4
	29	2	1	3
	30	1	5	6
	31	1	2	3
	32	2	3	5
	33	0	4	4
	34	2	1	3
	35	0	3	3
	36	0	6	6
	37	0	3	3
	38	3	4	7
	39	1	1	2
	40	0	3	3
	41	0	2	2
	42	1	1	2
	43	0	2	2
	44	1	2	3
	45	0	3	3
	46	1	1	2
	47	0	2	2
	48	0	1	1

	49	1	0	1
	50	4	3	7
	51	0	1	1
	53	0	1	1
	55	1	2	3
	59	0	2	2
	64	0	1	1
Total		26	77	103

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	34.047[a]	34	.465
Likelihood Ratio	41.621	34	.173
Linear-by-Linear Association	.002	1	.962
N of Valid Cases	103		

a. 68 cells (97.1%) have expected count less than 5. The minimum expected count is .25.

Directional Measures

			Value	Asymptotic Standard Error[a]	Approximate T[b]	Approximate Significance
Nominal by Nominal	Lambda	Symmetric	.066	.056	1.138	.255
		Age Dependent	.031	.042	.729	.466
		Baby_shoes Dependent	.192	.173	1.005	.315
	Goodman and Kruskal tau	Age Dependent	.011	.004		.249[c]
		Baby_shoes Dependent	.331	.068		.481[c]

a. Not assuming the null hypothesis.

b. Using the asymptotic standard error assuming the null hypothesis.

c. Based on chi-square approximation

Psychogeometry * Baby_shoes

Crosstab

Count

		Baby_shoes		
		sad interpretation	pragmatic interpretation	Total
Psychogeometry	circle	3	18	21
	squiggle	6	15	21
	triangle	5	17	22
	square	8	19	27
	rectangle	4	8	12
Total		26	77	103

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	2.225[a]	4	.695
Likelihood Ratio	2.361	4	.670
Linear-by-Linear Association	1.452	1	.228
N of Valid Cases	103		

a. 1 cells (10.0%) have expected count less than 5. The minimum expected count is 3.03.

Directional Measures

			Value	Asymptotic Standard Error[a]	Approximate T	Approximate Significance
Nominal by Nominal	Lambda	Symmetric	.000	.000	.[b]	.[b]
		Psychogeometry Dependent	.000	.000	.[b]	.[b]
		Baby_shoes Dependent	.000	.000	.[b]	.[b]
	Goodman and Kruskal tau	Psychogeometry Dependent	.005	.007		.703[c]
		Baby_shoes Dependent	.022	.026		.698[c]

a. Not assuming the null hypothesis.

b. Cannot be computed because the asymptotic standard error equals zero.

c. Based on chi-square approximation

Children * Baby_shoes

Crosstab

Count

		Baby_shoes		
		sad interpretation	pragmatic interpretation	Total
Children	no	10	30	40
	yes	16	47	63
Total		26	77	103

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	.002[a]	1	.964		
Continuity Correction[b]	.000	1	1.000		
Likelihood Ratio	.002	1	.964		
Fisher's Exact Test				1.000	.578
Linear-by-Linear Association	.002	1	.964		
N of Valid Cases	103				

a. 0 cells (0.0%) have expected count less than 5. The minimum expected count is 10.10.

b. Computed only for a 2x2 table

Directional Measures

			Value	Asymptotic Standard Error[a]	Approximate T	Approximate Significance
Nominal by Nominal	Lambda	Symmetric	.000	.000	.[b]	.[b]
		Children Dependent	.000	.000	.[b]	.[b]

		Baby_shoes Dependent	.000	.000	.[b]	.[b]
	Goodman and Kruskal tau	Children Dependent	.000	.001		.964[c]
		Baby_shoes Dependent	.000	.001		.964[c]

a. Not assuming the null hypothesis.

b. Cannot be computed because the asymptotic standard error equals zero.

c. Based on chi-square approximation