

Chi-square test by SPSS

File Edit View Data Transform Analyze Graph

21 : Gender

	Gender	smoking_status	var
1	female	smoker	
2	male	nonsmoker	
3	female	smoker	
4	male	smoker	
5	female	nonsmoker	
6	female	nonsmoker	
7	male	smoker	
8	female	smoker	
9	male	smoker	
10	male	nonsmoker	
11	female	nonsmoker	
12	female	nonsmoker	
13	female	nonsmoker	
14	female	smoker	
15	male	smoker	
16	male	nonsmoker	
17	male	nonsmoker	
18	male	nonsmoker	
19	female	nonsmoker	
20	male	nonsmoker	
21			

mohammad.sav [DataSet0]

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Crosstabs

Row(s):

Column(s):

Gender
smoking_status

Exact...
Statistics...
Cells...
Format...
Style...
Bootstrap...

Crosstabs

Row(s):

Column(s):

Gender
smoking_status

Layer 1 of 1

Previous Next

Exact...
Statistics...
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Crosstabs: Statistics

Chi-square Correlations

Nominal

Contingency coefficient
 Phi and Cramer's V
 Lambda
 Uncertainty coefficient

Ordinal

Gamma
 Somers' d
 Kendall's tau-b
 Kendall's tau-c

Nominal by Interval

Eta

Kappa
 Risk
 McNemar

Cochran's and Mantel-Haenszel statistics

Test common odds ratio equals: 1

Continue Cancel Help

Crosstabs: Cell Display

Counts

Observed
 Expected
 Hide small counts
Less than 5

z-test

Compare column proportions
 Adjust p-values (Bonferroni method)

Percentages

Row
 Column
 Total

Residuals

Unstandardized
 Standardized
 Adjusted standardized

Noninteger Weights

Round cell counts Round case weights
 Truncate cell counts Truncate case weights
 No adjustments

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Display layer variables in table layers

Reset Cancel Help



- Output
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 - Notes
 - Case Processing
 - gender * smoking
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Case Processing Summary

	Valid		Cases Missing		Total	
	N	Percent	N	Percent	N	Percent
gender * smoking	20	100.0%	0	0.0%	20	100.0%

gender * smoking Crosstabulation

Count		smoking		Total
		nonsmoker	smoker	
gender	female	6	4	10
	male	6	4	10
Total		12	8	20

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	.000 ^a	1	1.000		
Continuity Correction ^b	.000	1	1.000		
Likelihood Ratio	.000	1	1.000		
Fisher's Exact Test				1.000	.675
N of Valid Cases	20				

a. 2 cells (50.0%) have expected count less than 5. The minimum expected count is 4.00.

b. Computed only for a 2x2 table