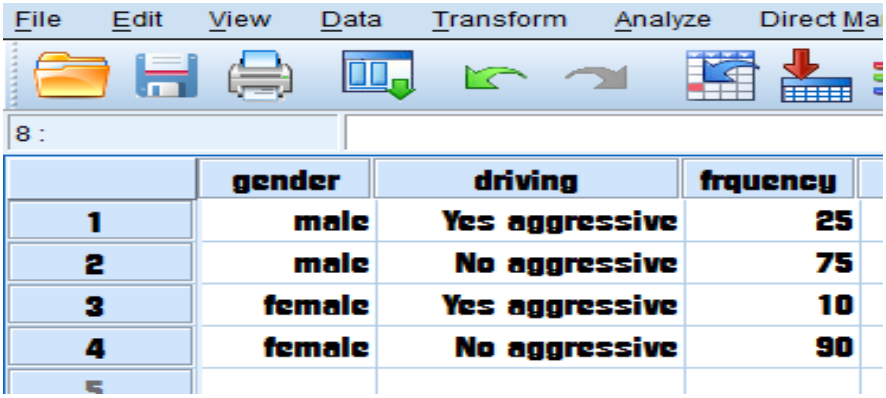
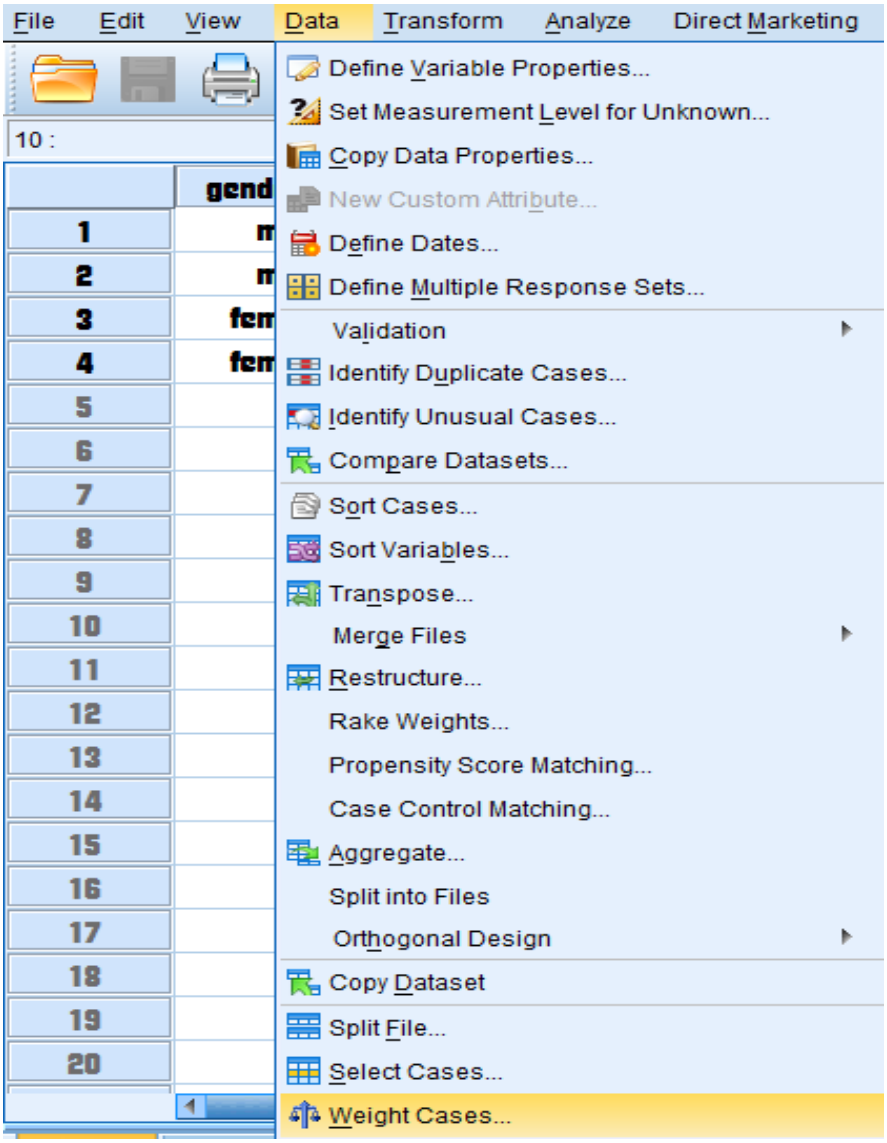
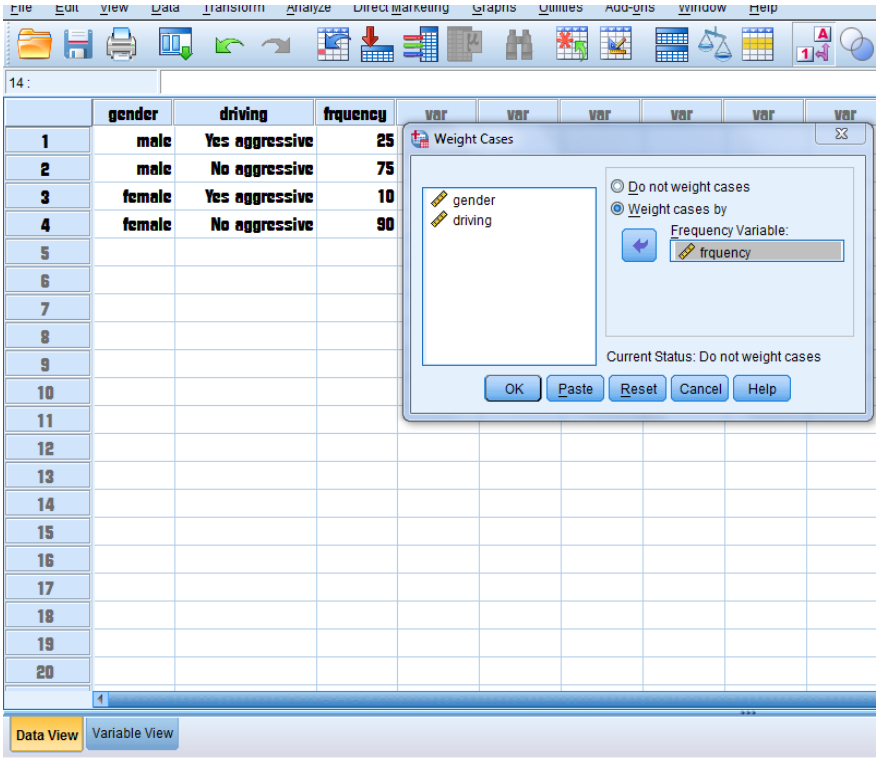
Chi-square

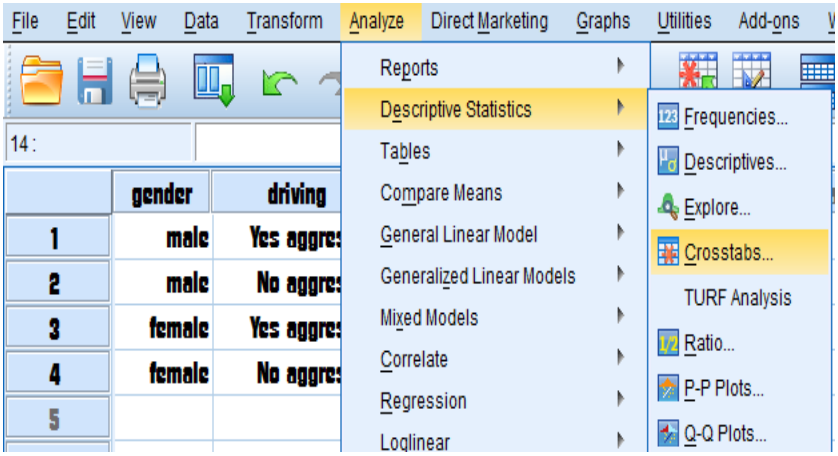
For chi-square test click on data then weight cases as shown below.

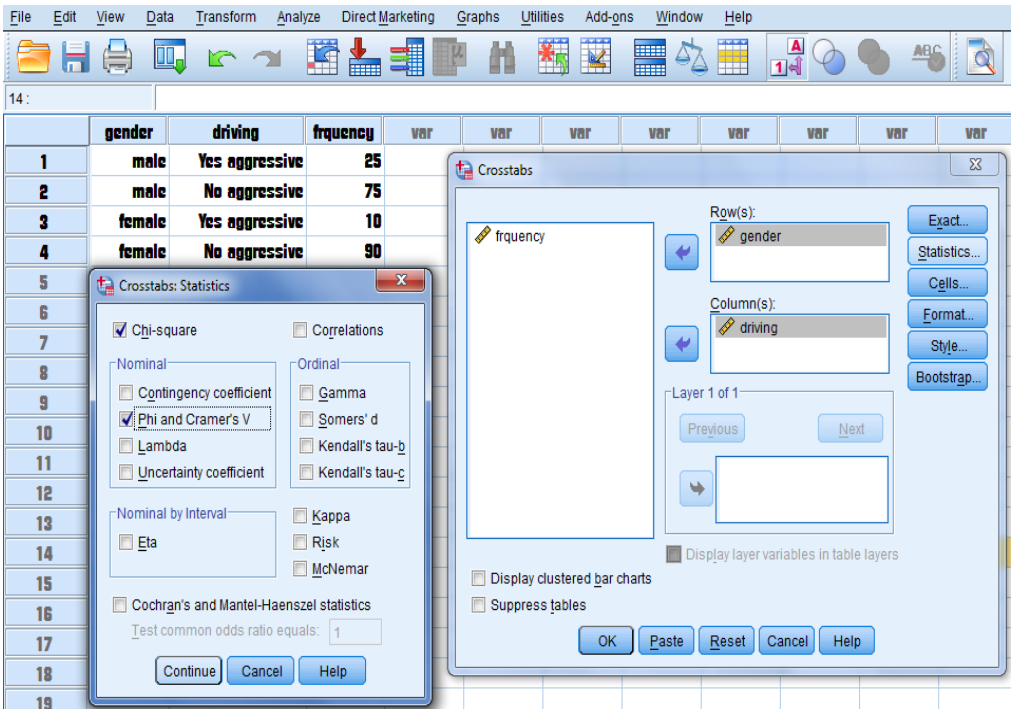


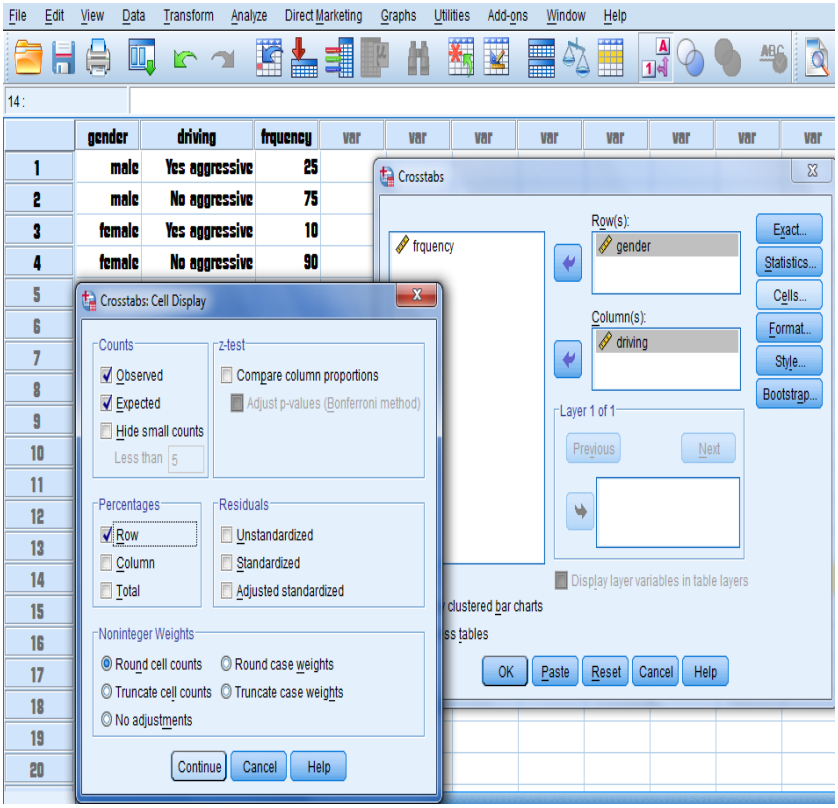




After that, click on descriptive statistics crosstabs as shown below




File Edit View Data Transform Analyze Direct Marketing Graphs Utilities Add-ons Window Help
14 :
gender driving frquency var var var var var var var var
1 male Yes aggressive 25
2 male No aggressive 75
3 female Yes aggressive 10
4 female No aggressive 90
Crosstabs
frquency
Row(s):
gender
Column(s):
driving
Layer 1 of 1
Previous
Next
Exact...
Statistics...
Cells...
Format...
Style...
Bootstrap...
Display layer variables in table layers
Display clustered bar charts
Suppress tables
OK Paste Reset Cancel Help
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


File Edit View Data Transform Analyze Direct Marketing Graphs Utilities Add-ons Window Help
14 :
gender driving frquency var var var var var var var var
1 male Yes aggressive 25
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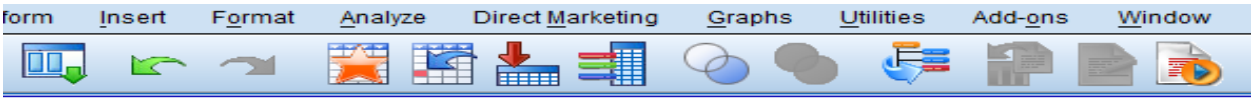
Crosstabs
frquency
Row(s):
gender
Column(s):
driving
Layer 1 of 1
Previous
Next
Exact...
Statistics...
Cells...
Format...
Style...
Bootstrap...
Display layer variables in table layers
OK Paste Reset Cancel Help
Crosstabs: Cell Display
Counts
Observed
Expected
Hide small counts
Less than 5
z-test
Compare 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
Continue Cancel Help

SPSS Output Window

After running chi-square, the results appear in a different window, known as SPSS output viewer window as shown below.



gender * driving Crosstabulation

			driving		
			Yes aggressive	No aggressive	Total
gender	male	Count	25	75	100
		Expected Count	17.5	82.5	100.0
		% within gender	25.0%	75.0%	100.0%
	female	Count	10	90	100
		Expected Count	17.5	82.5	100.0
		% within gender	10.0%	90.0%	100.0%
Total		Count	35	165	200
		Expected Count	35.0	165.0	200.0
		% within gender	17.5%	82.5%	100.0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	7.792[a]	1	.005		
Continuity Correction[b]	6.788	1	.009		
Likelihood Ratio	8.007	1	.005		
Fisher's Exact Test				.009	.004
Linear-by-Linear Association	7.753	1	.005		
N of Valid Cases	200				

a. 0 cells (0.0%) have expected count less than 5. The minimum expected count is 17.50.

b. Computed only for a 2x2 table

Saving SPSS data file click on file then save data as shown below