

SPSS: Cross table via Crosstabs

This document will explain how to generate a cross table (a.k.a. contingency table) in SPSS using the crosstabs option.

The result of following the instructions in this document will look something like the table shown below.

favourite means of transportation * sex Crosstabulation

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			sex		Total
			Male	Female	
favourite means of transportation	Car	Count	21	17	38
		% within sex	43,8%	32,7%	38,0%
	Plane	Count	18	22	40
		% within sex	37,5%	42,3%	40,0%
	Coach	Count	3	9	12
		% within sex	6,3%	17,3%	12,0%
	Train	Count	6	4	10
		% within sex	12,5%	7,7%	10,0%
Total	Count	48	52	100	
	% within sex	100,0%	100,0%	100,0%	

Example output SPSS 23 or older

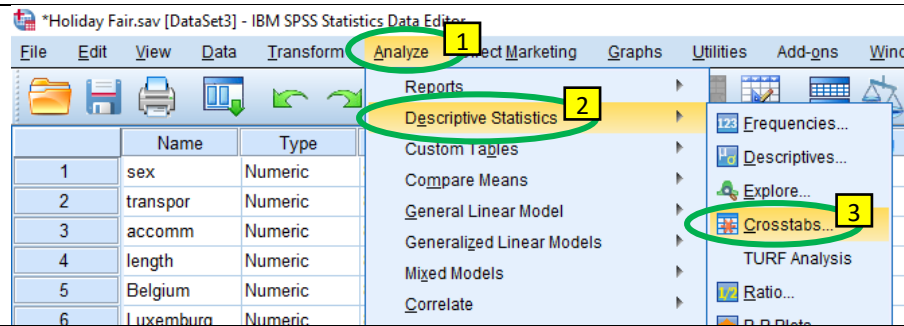
			sex		Total
			Male	Female	
favourite means of transportation	Car	Count	21	17	38
		% within sex	43,8%	32,7%	38,0%
	Plane	Count	18	22	40
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	Coach	Count	3	9	12
		% within sex	6,3%	17,3%	12,0%
	Train	Count	6	4	10
		% within sex	12,5%	7,7%	10,0%
Total	Count	48	52	100	
	% within sex	100,0%	100,0%	100,0%	

Example output SPSS 24

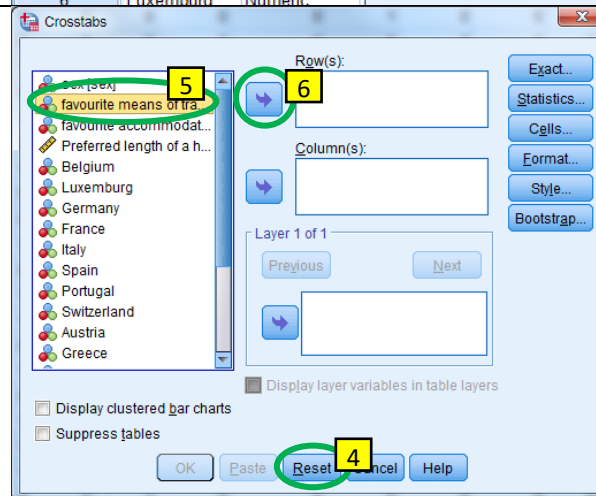
You can also follow the instructions described below in the instructional video available at <https://youtu.be/ExdEQAhqloc>.

The example file used is *Holiday Fair.sav* available on the companion website <http://PeterStatistics.com>.

1. Click in the menubar on **Analyze**
2. Click on **Descriptive Statistics**
3. Click on **Crosstabs...**

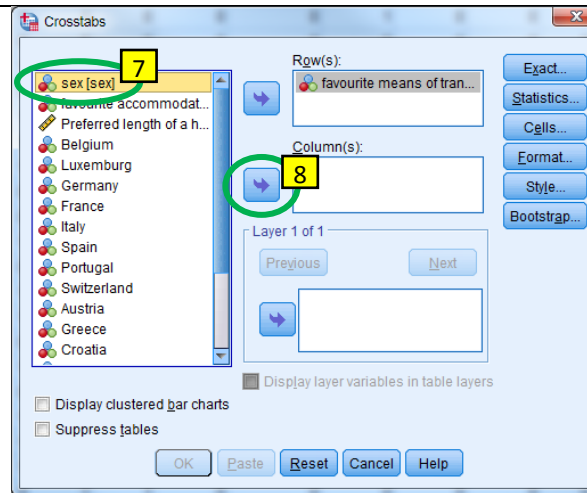


4. Click on **Reset**
5. Click on the variable you want to place in the rows (often the dependent variable)
6. Click on to move it to the Row(s) section

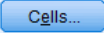


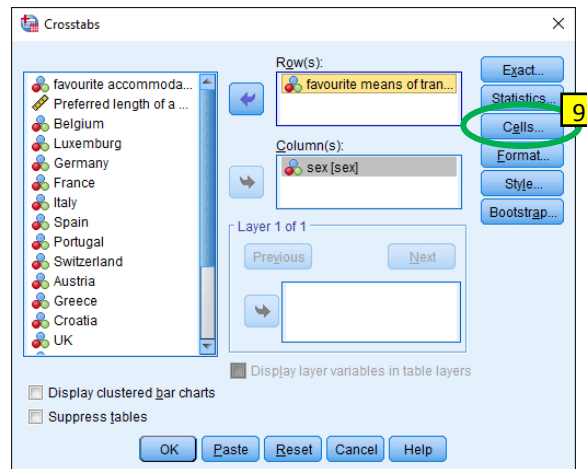
7. Click on the variable you want to place in the columns (often the independent variable)

8. Click on  to move it to the Column(s) section



If you also want to display *percentages*:

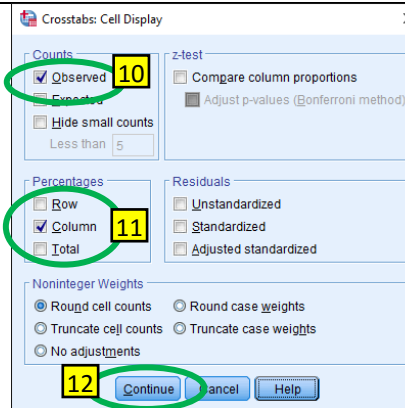
9. Click on 



10. Check that at Counts ☒ Observed is ticked

11. At Percentages tick the type of percentages you want, either based on the row totals, on the column totals (as in this example) and/or on the grand total

12. Click on



13. Click on

