

SPSS: Cross table via Custom tables

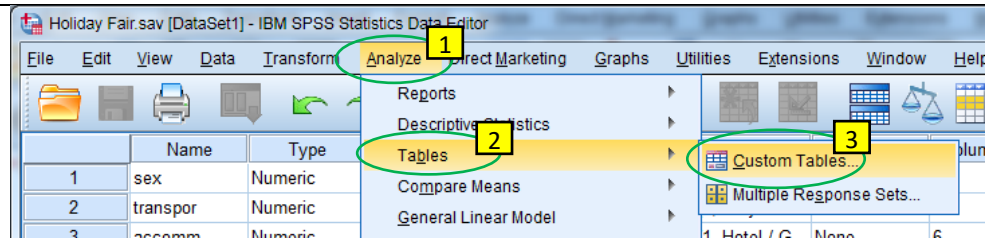
This document will explain how to generate a cross table (a.k.a. contingency table) in SPSS using the Custom tables option. The result of following the instructions in this document will look something like the table shown below.

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

You can also follow the instructions described below in the instructional video available at <https://youtu.be/SCCi5aPlgm4>.

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

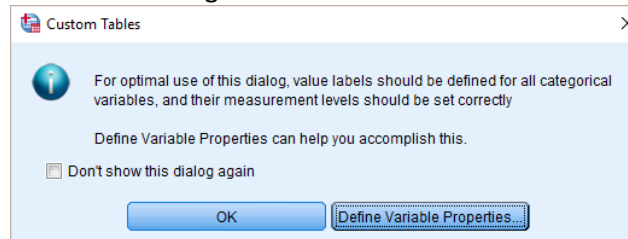
1. Click in the menubar on **Analyze**
2. Click on **Tables** (or in SPSS 23 on **Custom Tables**)
3. Click on **Custom Tables...**



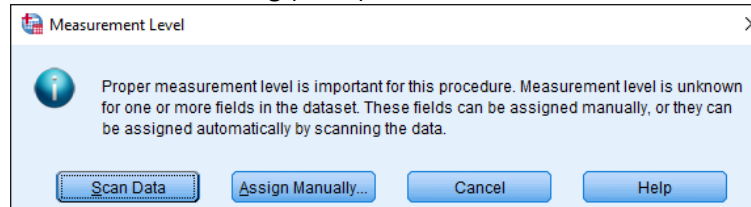
4. In SPSS version 22 you might be prompted with a message that custom tables work best if the labels for all values have been assigned. If you have done so, you can simply click on OK.

In version 22 & 23 you will get a message about measurement level if any of the variables is still set to 'unknown' as a measurement level. SPSS gives you a few options but you might want to cancel in this case, go to the Variable View and check which variables have Measure set to unknown and change them to the proper measurement level.

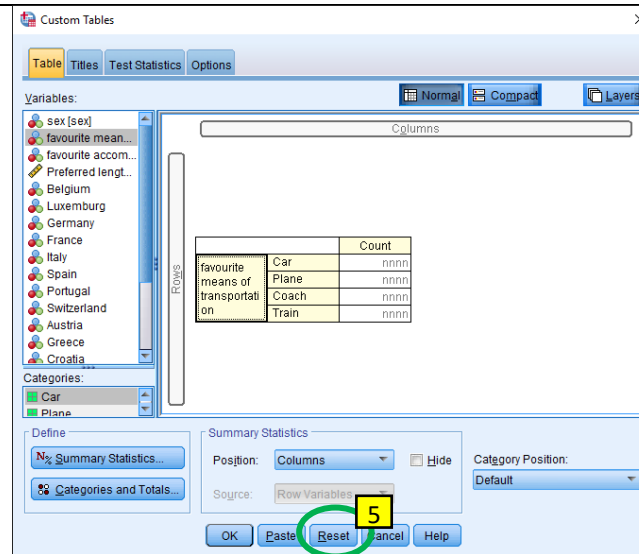
SPSS 22: Warning that it works best if all values are assigned a label.



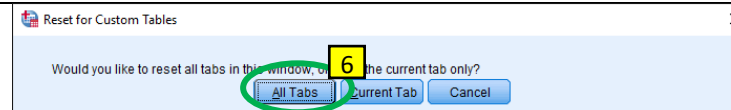
SPSS 22 & 23: Warning (error) if measurement level of one variable is unknown.



5. Click on **Reset**



6. Click on **All Tabs**



7. **Drag** one of the two variables you want to cross to the

Rows

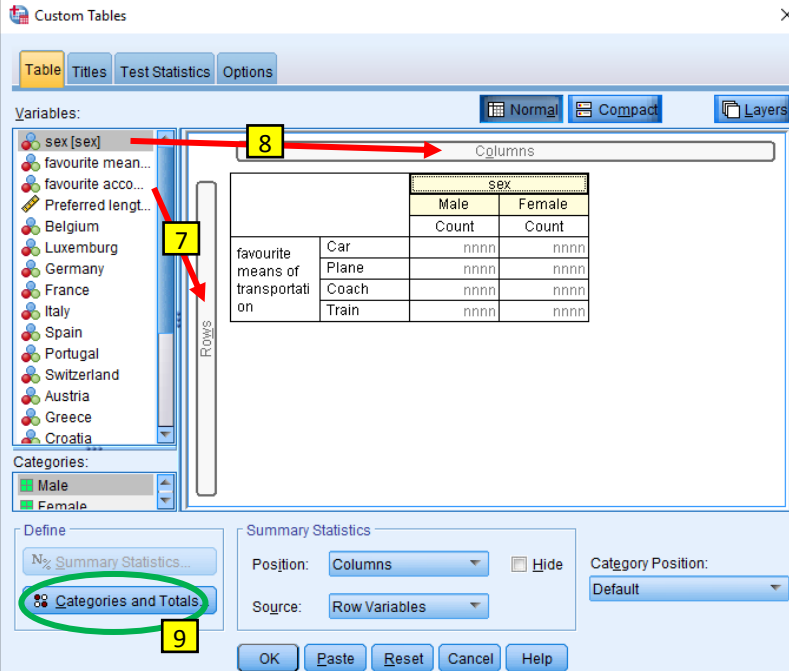
8. **Drag** the other variable to the Columns

Note: If one variable is the independent and the other the dependent, I usually place the independent one in the columns.

If you want to see *totals*:

9. Click on  Categories and Totals...

Note: if you cannot click on the *Categories and Totals*, then first click in the table on the column titles (the lightly yellow shaded area).



Custom Tables

Table Titles Test Statistics Options

Variables:

sex [sex] 8

favourite mean... 7

favourite acco...

Preferred lengt...

Belgium

Luxemburg

Germany

France

Italy

Spain

Portugal

Switzerland

Austria

Greece

Croatia

Columns

sex

		sex	
		Male	Female
		Count	Count
favourite means of transportation	Car	nnnn	nnnn
	Plane	nnnn	nnnn
	Coach	nnnn	nnnn
	Train	nnnn	nnnn

Rows

Categories:

Male

Female

Define

N% Summary Statistics...

Categories and Totals... 9

Summary Statistics

Position: Columns

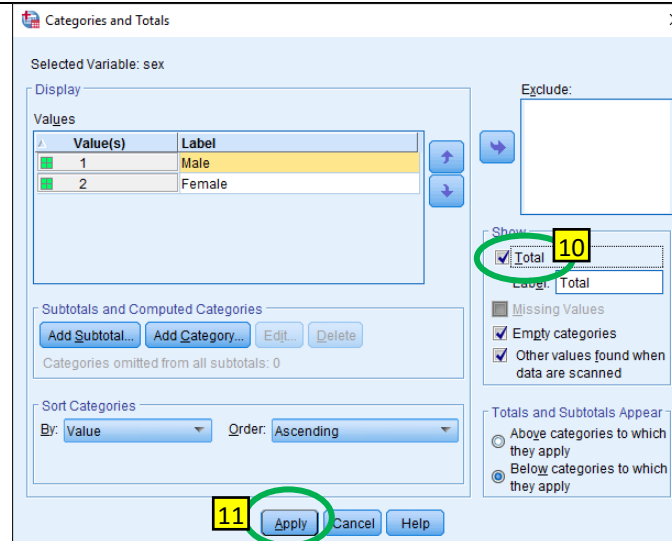
Source: Row Variables

Category Position: Default

OK Paste Reset Cancel Help

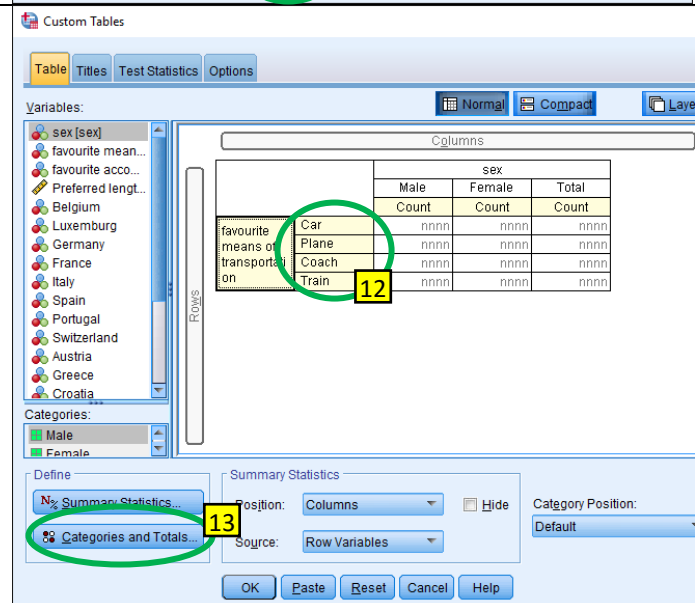
10. At the Show section tick the ☒ **Total** option.

11. Click on **Apply**



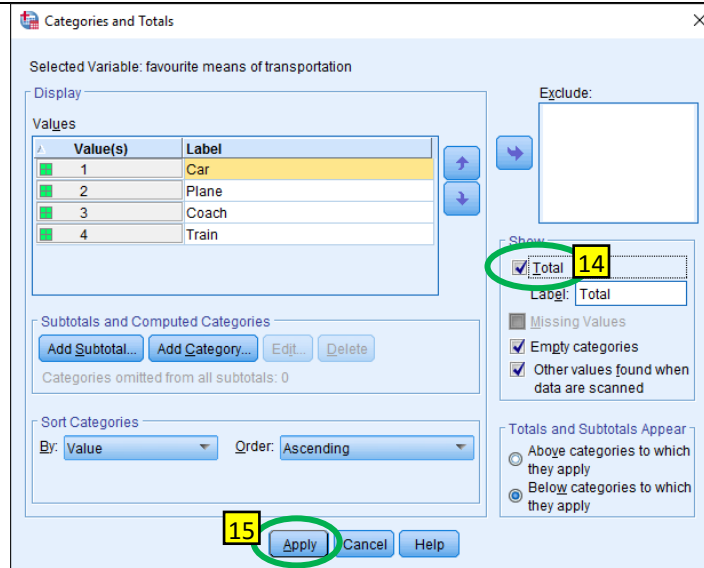
12. Click on any of the row titles

13. Click on **Categories and Totals...**



14. At the Show section tick the ☒ **Total** option.

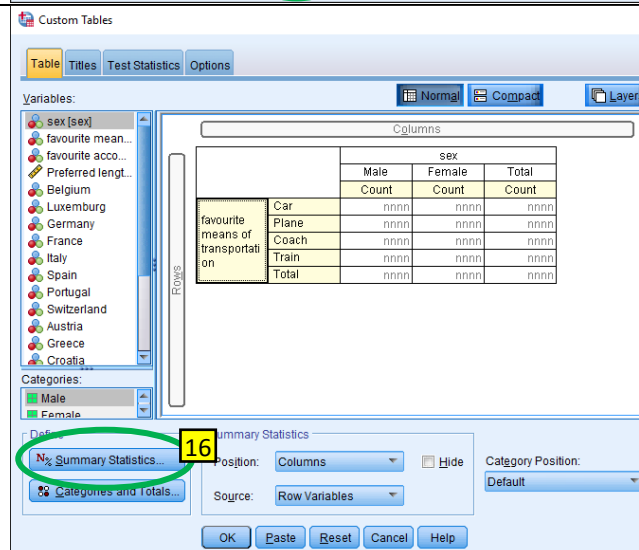
15. Click on **Apply**



If you want to add *percentages*:

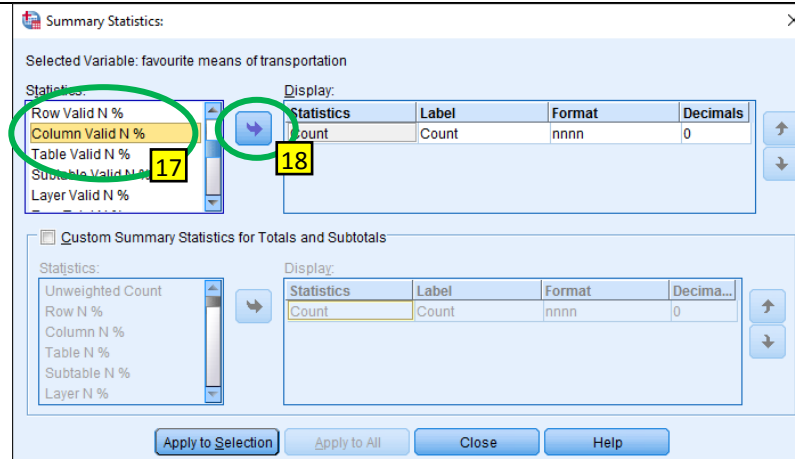
16. Click on **N% Summary Statistics...**

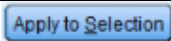
Note: if you cannot click on the *Summary Statistics*, then first click in the table on the row titles (the lightly yellow shaded area).

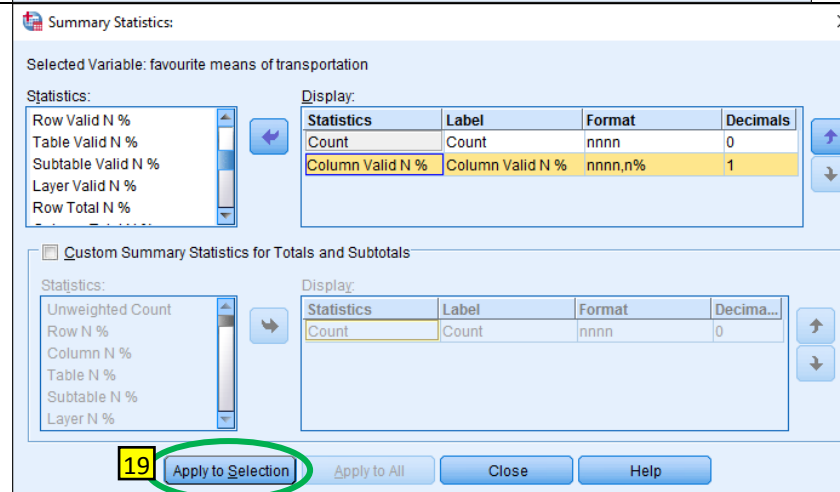


17. In the Statistics list click on *Column Valid N %* if you want percentages based on column totals, at *Row Valid N %* if you want them based on row totals, and *Table Valid N %* if you want them based on the grand total.

18. Click on 



19. Click on 



20. Click on

OK

Custom Tables

Table Titles Test Statistics Options

Variables: Normal Compact Layers

Columns

		sex					
		Male		Female		Total	
		Count	Column Va...	Count	Column Va...	Count	Column Va...
favourite means of transportation	Car	nnnn	nnnn.n%	nnnn	nnnn.n%	nnnn	nnnn.n%
	Plane	nnnn	nnnn.n%	nnnn	nnnn.n%	nnnn	nnnn.n%
	Coach	nnnn	nnnn.n%	nnnn	nnnn.n%	nnnn	nnnn.n%
	Train	nnnn	nnnn.n%	nnnn	nnnn.n%	nnnn	nnnn.n%
Total		nnnn	nnnn.n%	nnnn	nnnn.n%	nnnn	nnnn.n%

Rows

Categories:

Male Female

Define

Summary Statistics

Position: Columns Hide

Source: Row Variables

Category Position: Default

20 OK Paste Reset Cancel Help