

# Multiple values (via Custom tables) (SPSS 24)

This document will show how to generate a single table of multiple variables that share the same values as shown below. These are the instructions for version 24. A separate document is available at <http://PeterStatistics.com> for version 23 or older, although the differences are minimum.

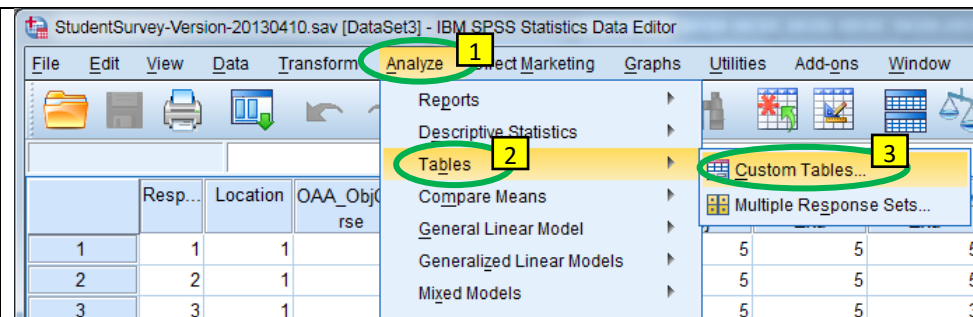
|                                                                                                                                                                            | Fully Disagree |               | Disagree |               | Neither disagree nor agree |               | Agree |               | Fully agree |               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|---------------|----------|---------------|----------------------------|---------------|-------|---------------|-------------|---------------|
|                                                                                                                                                                            | Count          | Row Valid N % | Count    | Row Valid N % | Count                      | Row Valid N % | Count | Row Valid N % | Count       | Row Valid N % |
| 4.1 The teacher was able to motivate me                                                                                                                                    | 20             | 37,0%         | 9        | 16,7%         | 12                         | 22,2%         | 7     | 13,0%         | 6           | 11,1%         |
| 4.2 The teacher was able to link theory to relevant practical situations                                                                                                   | 11             | 20,4%         | 12       | 22,2%         | 16                         | 29,6%         | 8     | 14,8%         | 7           | 13,0%         |
| 4.3 The teacher stimulated me to ask questions during the course (via Blackboard and/or in class)                                                                          | 17             | 32,1%         | 6        | 11,3%         | 14                         | 26,4%         | 10    | 18,9%         | 6           | 11,3%         |
| 4.4 The teacher was available to answer questions about the course (via Blackboard and/or in class)                                                                        | 8              | 14,8%         | 3        | 5,6%          | 16                         | 29,6%         | 14    | 25,9%         | 13          | 24,1%         |
| 4.5 The teacher stimulated me to use the discussion boards on Blackboard                                                                                                   | 15             | 27,8%         | 11       | 20,4%         | 17                         | 31,5%         | 4     | 7,4%          | 7           | 13,0%         |
| 4.6 The teacher stimulated the students to participate in the online activities (preparation by viewing videos, making the assignment, using the exercise generator, etc.) | 15             | 27,8%         | 11       | 20,4%         | 14                         | 25,9%         | 6     | 11,1%         | 8           | 14,8%         |
| 4.7 The teacher had sufficient competences (knowledge, skills and attitude) to help me reach the course objectives                                                         | 10             | 18,9%         | 8        | 15,1%         | 7                          | 13,2%         | 13    | 24,5%         | 15          | 28,3%         |

Figure 1. Output example of a frequency table of multiple variables that use the same values

You can also follow the instructions described below in the instructional video available at [https://youtu.be/wdJBcbKR5\\_M](https://youtu.be/wdJBcbKR5_M).

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

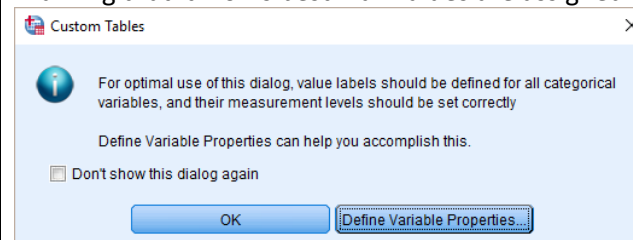
1. Click in the menubar on **Analyze**
2. Click on **Tables**
3. Click on **Custom Tables...**



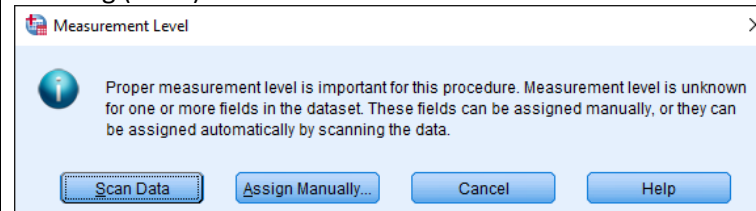
4. You might be prompted with a message that custom tables work best if the labels for all values have been assigned. If you have done so, you can simply click on OK.

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.

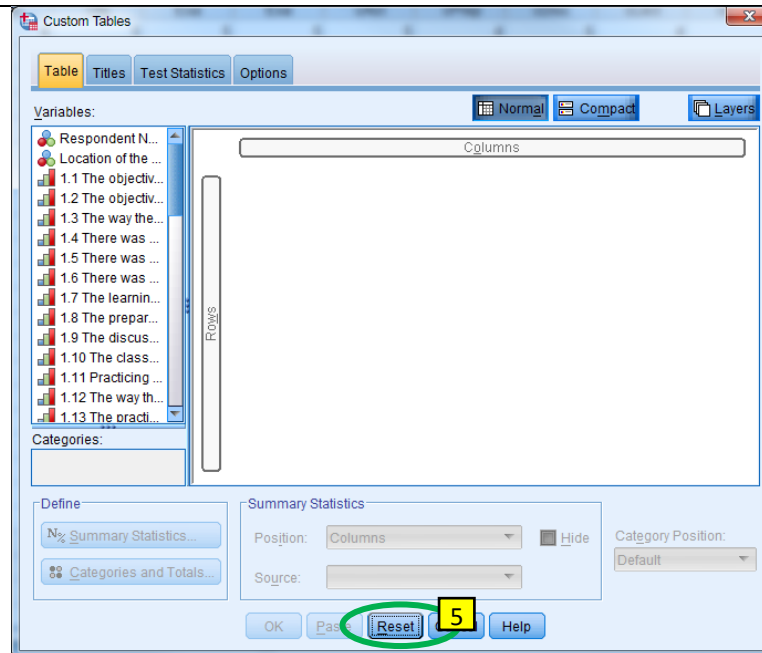
Warning that it works best if all values are assigned a label.



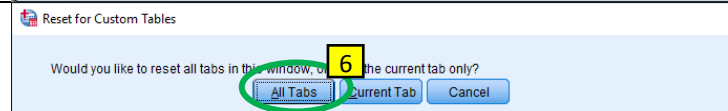
Warning (error) if measurement level of one variable is unknown.



5. Click on **Reset**

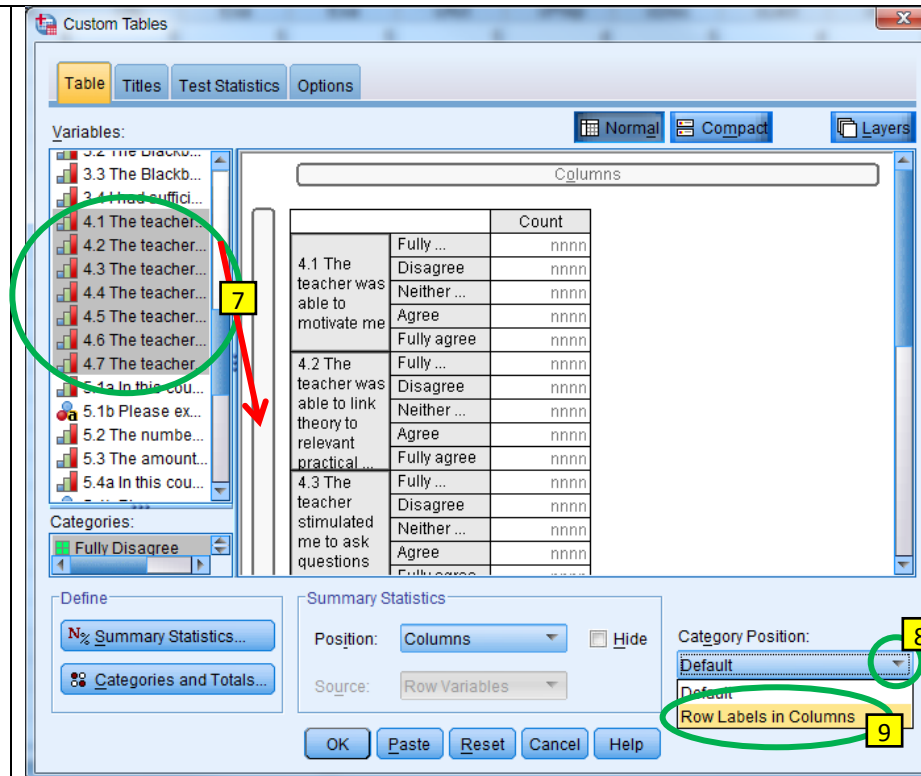


6. Click on **All Tabs**

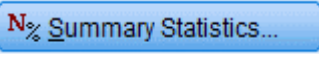


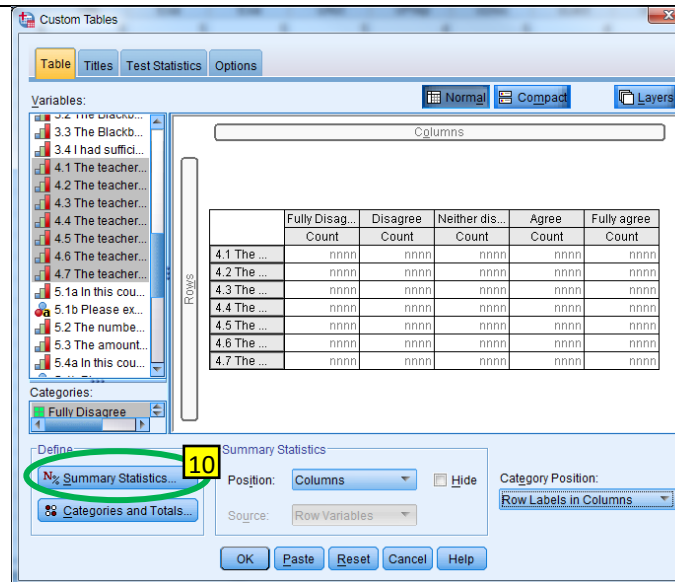
7. **Drag** the variables to the Rows (you can select multiple variables by using the CTRL key)
8. Click on the pull down button  at Category Position
9. Click on *Row Labels in Columns*

**Note:** If Row Label in Columns does not appear, it indicates that one of the selected variables uses other values than the others. This could be a typing error, but you will have to go back to your Variable View in the data file and make sure they all use the exact same values.



In case you want to also show percentages:

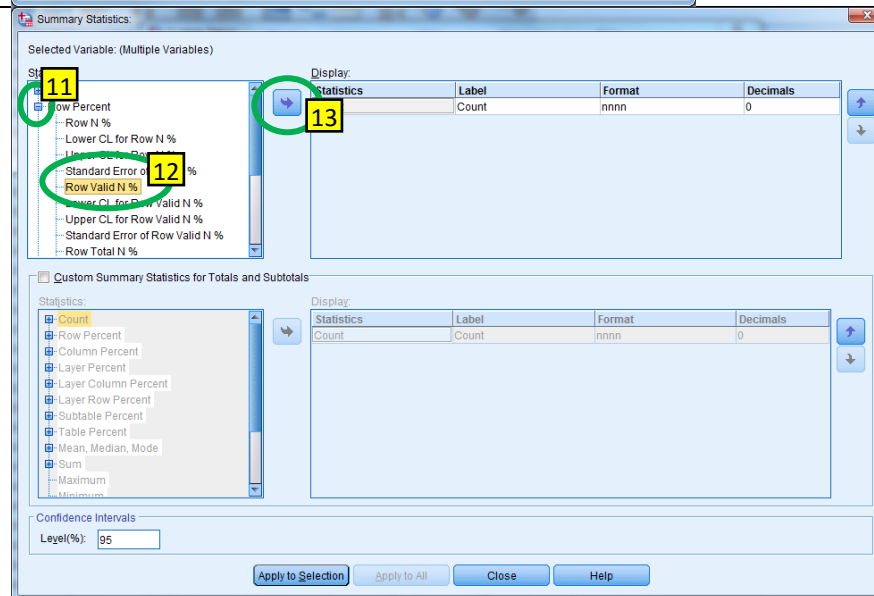
10. Click on 



11. From the Statistics list click on  in front of the *Row Percent*

12. Click on *Row Valid N%*

13. Click on  to move the *Row Valid N%* to the Display section.

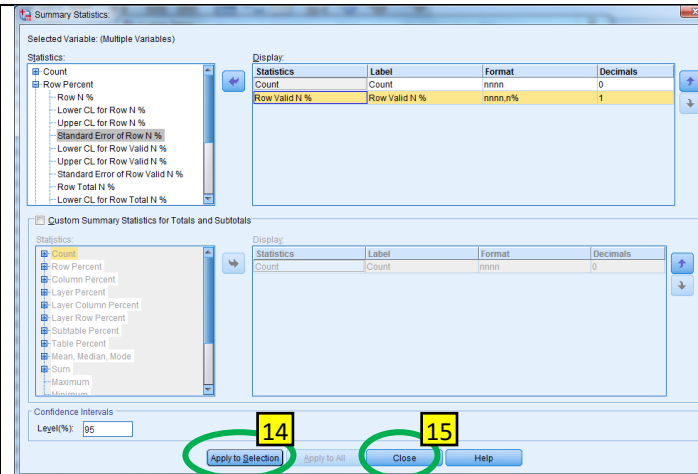


14. Click on

Apply to Selection

15. Click on

Close



16. Click on

OK

