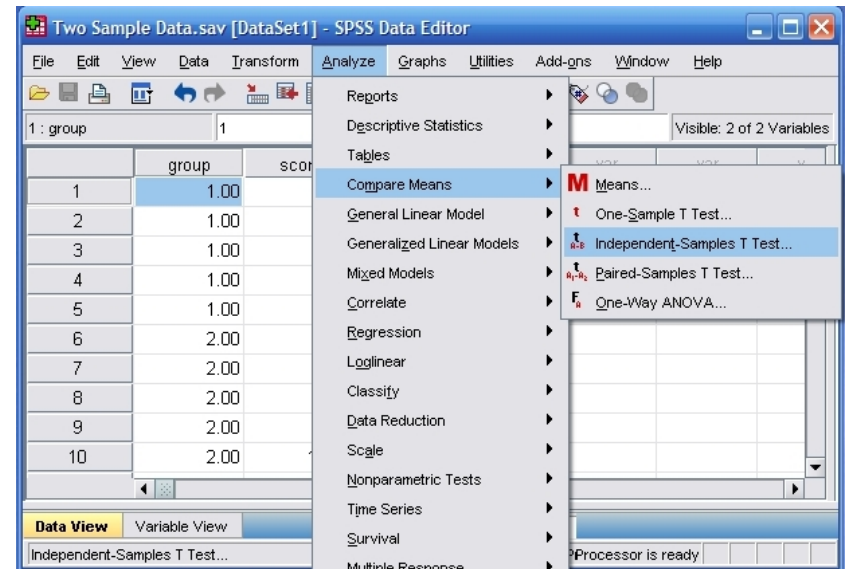


SPSS LESSON: INDEPENDENT SAMPLES T TEST

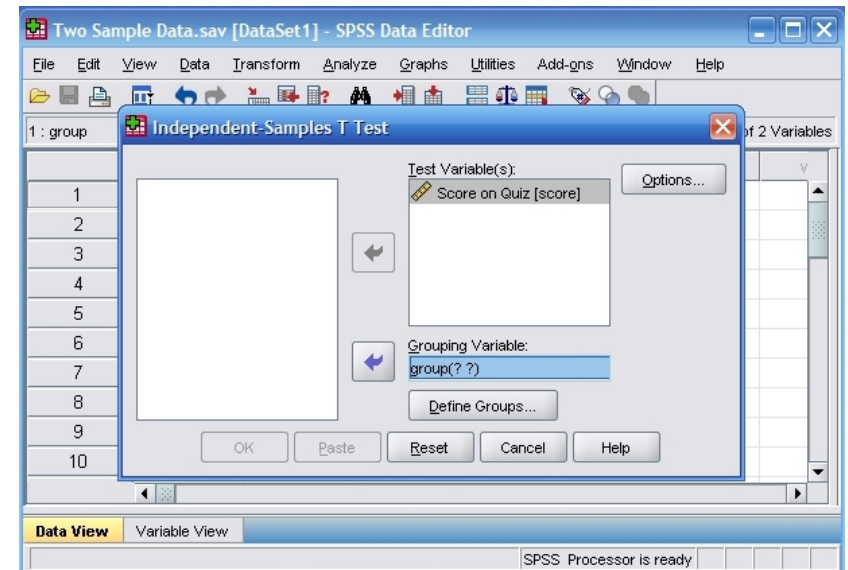
Steps for Obtaining Two-Sample Inferential Statistics

1. First, enter the data (described elsewhere).
2. After the data is entered, select the “Analyze → Compare Means → Independent-Samples T Test” option from the main menu.



Steps for Obtaining the Significance Test

3. A dialogue box will then appear for you to choose the variables of interest.
4. Select the outcome variables you wish to analyze by clicking on them and hitting the arrow to move them into the “Test Variables” box.
5. Move the variable that defines the different groups to the “Grouping Variable” box. Note that question marks will appear here and that you’ll need to follow the next set of steps in order to run the analyses.

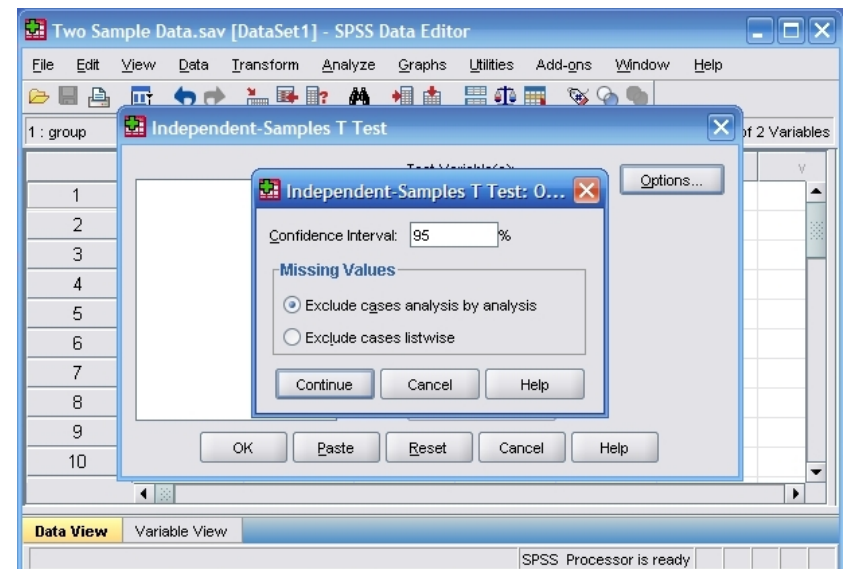
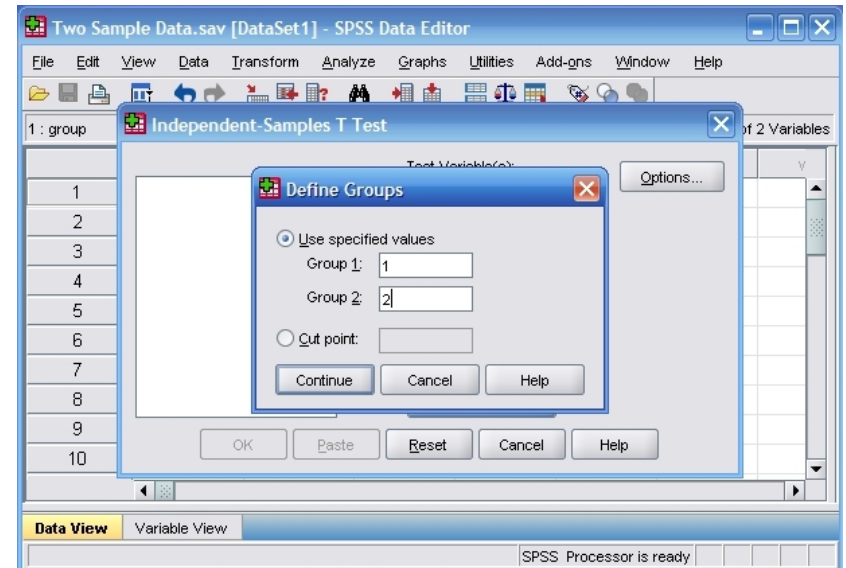


Steps for Defining the Groups to be Analyzed

6. In order to tell SPSS which two groups you wish to compare, click on the “Define Groups” box.
7. A new dialog box will appear. Here you will need to indicate the numeric values you used in setting up the data file to refer to the groups. In this example, a value of 1 for the variable “group” referred to Group 1 and a value of 2 for the variable “group” referred to Group 2.
8. When you are done, click “Continue.” This will return you to the original dialogue box.
9. If you do not wish to alter the default (95%) confidence level, click “OK.” A separate window with the output will appear. You will note that this matches the types of output used in class.

Steps for Altering the Confidence Interval

10. If you wish to alter the width of the confidence interval, select the “Options” button.
11. Another dialogue box will appear where you can change the confidence level. When you are done, click “Continue.” This will return you to the original dialogue box.
12. After clicking on “OK” in the original dialogue box, a separate window with the output will appear. You will note that this matches the types of output used in class.



Your data have now been analyzed!