

How to do a Chi-Square on SPSS

1. Open SPSS
2. Click Variable View
3. In the first box of the first row, type the **independent variable** name—it must be 8 characters or less with no spaces
 - a. If you want a more detailed name enter this in the **label box**.
 - b. Click on little gray box next to “None” under **Values**.
 - c. A new screen should appear.
 - d. Enter the **Level number** (for level of IV) in the **Value box**.
 - e. Enter the **Level name** (for level of IV) in the **Value Labels box**.
 - f. Click **add**.
 - g. Repeat steps d-f for each level of the IV, then click **OK**
4. In the first box of the **second** row, type the **dependent variable** name—it must be 8 characters or less with no spaces
 - a. If you want a more detailed name enter this in the **label box**.
 - b. Click on little gray box next to “None” under **Values**.
 - c. A new screen should appear.
 - d. Enter the **Level number** (for level of DV) in the **Value box**.
 - e. Enter the **Level name** (for level of DV) in the **Value Labels box**.
 - f. Click **add**.
 - g. Repeat steps d-f for each level of the DV, then click **OK**
5. Go to **File**, select **Save As** to save your data—enter the name you want to call the data file and click on **Save**. Make sure you are saving to Desktop.
6. Click **Data View**—your variable name should now be at the top of the first column.
7. Enter Data. For each person in the data set, you enter two pieces of information:
 - a. In the first column, you enter the level of the IV the person belongs to.
 - b. In the second column, you enter the level of the DV the person belongs to.
8. Go to **File**, select **Save** to save your data.
9. Click on **Analyze**, then click on **Descriptive Statistics**, then click on **Crosstabs**.
10. Move your **independent variable** name to the box on the right side labeled “**Columns**” by making sure that your independent variable is highlighted, then clicking the right arrow (→) next to the Columns box.
11. Move your **dependent variable** name to the box on the right side labeled “**Rows**” by making sure that your dependent variable is highlighted, then clicking the right arrow (→) next to the Rows box.
12. Click **Statistics**
 - a. Make sure there is a check mark next to **Chi-Square** and **Phi**, then click **Continue**.
13. Click **Cells**
 - a. Make sure there is a check mark next to **Observed** and **Expected**, then click **Continue**.
14. Click **OK**. Your results should appear on the screen.
15. Choose **File**, then **Print to pdf** to save your results in a format you can print at home.
16. Don't forget to save the output! Follow procedure from step 5.

How to do Correlation and Regression on SPSS

1. Open SPSS
2. Click **Variable View**
3. In the first box of the first row, type the **X dependent** variable name—it must be 8 characters or less with no spaces
 - a. If you want a more detailed name enter this in the label box.
4. In the first box of the second row, type the **Y dependent** variable name—it must be 8 characters or less with no spaces
 - a. If you want a more detailed name enter this in the label box.
5. Go to **File**, select **Save As** to save your data—enter the name you want to call the data file and click on **Save**. Make sure you are saving to Desktop.
6. Click **Data View**—your variable name should now be at the top of the first column.
7. Enter Data. For each subject in the data set, you enter two pieces of information:
 - a. In the **first column**, you enter the **X score** for that person.
 - b. In the **second column**, you enter the **Y score** for that person.
8. Go to **File**, select **Save** to save your data.
9. Click on **Analyze**, then click on **Regression**, then click on **Linear**.
10. Move your **X variable** name to the box on the right side labeled “**Independent**” by making sure that your X variable is highlighted, then clicking the right arrow (→) next to the Independent box.
11. Move your **Y variable** name to the box on the right side labeled “**Dependent**” by making sure that your Y variable is highlighted, then clicking the right arrow (→) next to the Dependent box.
12. Click **Statistics**
 - a. Make sure there is a check mark next to **Estimates**, **Model Fit**, and **Descriptives**, then click **Continue**.
13. Click **OK**. Your results should appear on the screen.
14. Click on **Graph**, then click on **Interactive**, then click on **Scatterplot**.
15. Under **Assign Variables**, drag your **X variable** to the **X axis** and drag your **Y variable** to the **Y axis**.
16. Under **Fit**, for **Method**, choose **Regression**, then click **OK**.
17. Your graph should appear under your results on the screen.
18. Choose **File**, then **Print to pdf** to save your results in a format you can print at home.
19. Don't forget to save the output! Follow procedure from step 5.