SPSS: Pie chart (from a table)

This document will explain how to generate a Pie-chart using SPSS a frequency table.
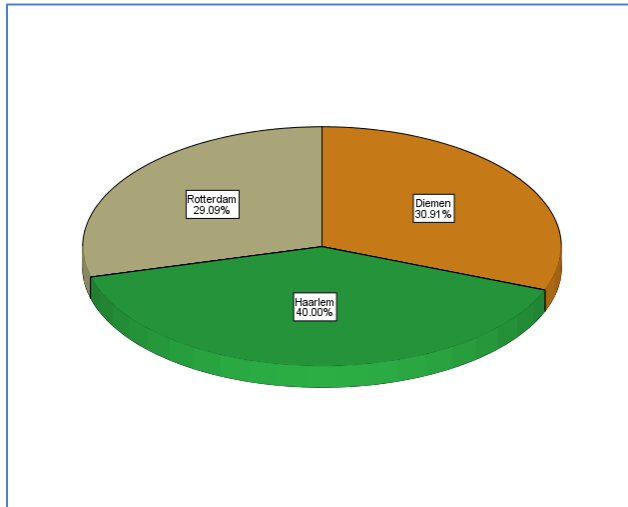

Figure 1. Example Pie-chart generated with SPSS

The described steps are also shown in the Youtube video at: https://youtu.be/v4uG28E12Lc.

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

The pie chart itself

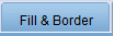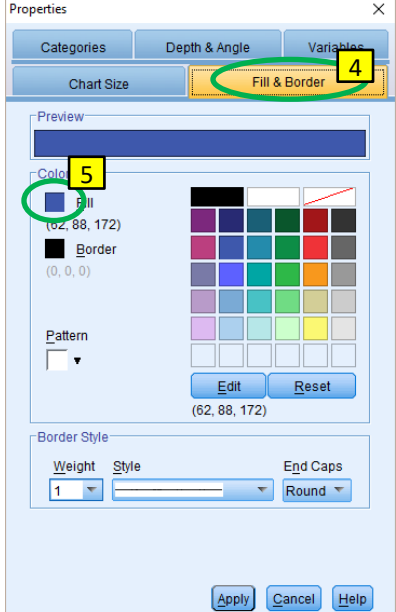|	
1. Create a frequency table of the variable (see separate instructions on how to generate a frequency table in SPSS)	<= READ STEP 1
2. Double click somewhere in the frequency table	
3. Select the values you want to include in the Pie chart (note not to include the total) 4. RIGHT click on the selection 5. Click on Create Graph ▶ 6. Click on Pie	

Changing the color of the slices

1. **DOUBLE**-click in the output on the pie-chart to open the Chart Editor	<= READ
2. Click on the slice of which you want to change the color (the entire circle will now be selected) 3. Click again on the slice you want to change the color of (now only this slice remains selected)	<= READ
4. Click in the Properties window on the [Fill & Border] tab *NOTE*: If you do not see the Properties window, you can click in the menubar on *Edit* and then on *Properties* (or use the shortcut CTRL+T, or the shortcut button ▣) 5. Click on the color square next to Fill *Note*: If the Fill square is locked 🔒 you probably clicked too many times on the slice (or too fast). Click once outside the circle, then click on the slice, wait a second or two and click again on the slice. It should become available now.	

6. Click on the color you want for the slice

7. Click on [Apply]

8. Close the Chart Editor by clicking on ✕ (don't worry the revised chart will show in the output).
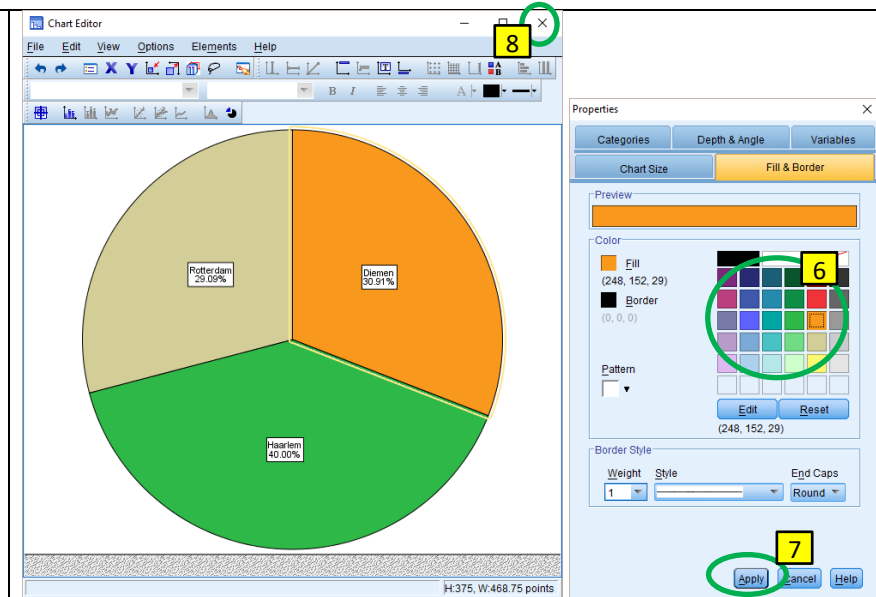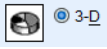
Adding a 3D effect

1. **DOUBLE**-click in the output on the pie-chart to open the Chart Editor	<= READ
2. Click on one of the slices, so the the entire circle is selected 3. Click in the Properties window on the [Depth & Angle] tab. *NOTE*: If you do not see the Properties window, you can click in the menubar on *Edit* and then on *Properties* (or use the shortcut CTRL+T, or the shortcut button ▥) 4. Click on ⬤ 3-D 5. Type at Distance a 1 6. Click on [Apply] 7. Close the Chart Editor by clicking on × (don't worry the revised chart will show in the output).	