

SPSS: Frequency polygon (nom/ord) (from a bar chart)

This document will explain how to generate a Frequency polygon for a nominal or ordinal variable using SPSS from a bar chart.

1.1 The objectives of the course (apply various statistical tools and also perform these with SPSS) were clear...

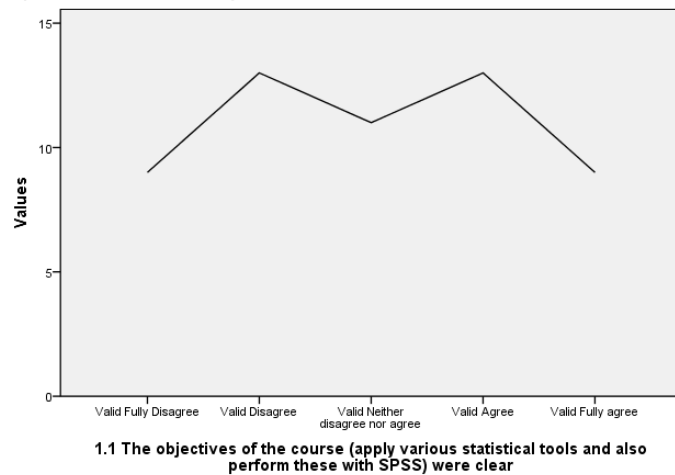
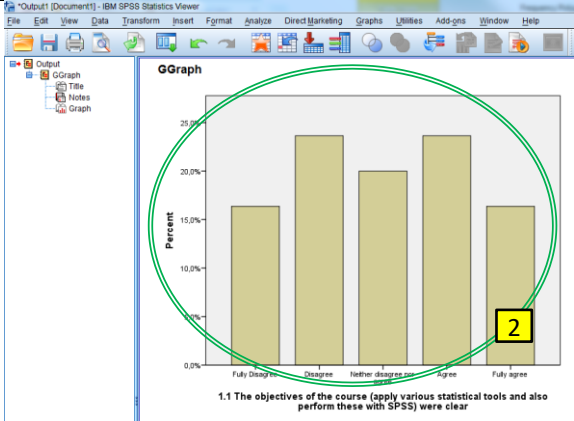

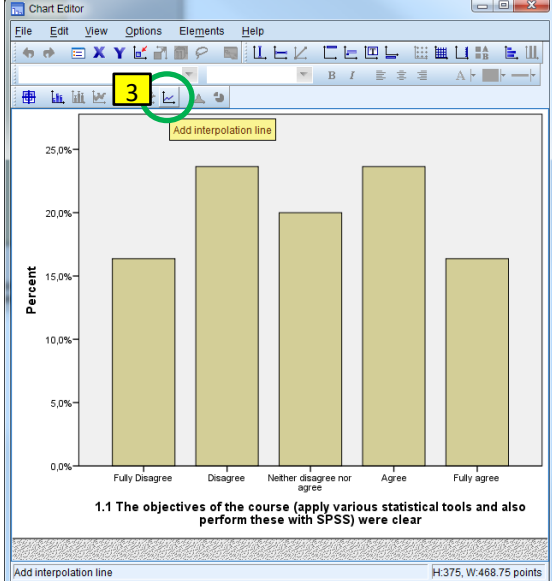


Figure 1. Example Frequency polygon generated with SPSS

The described steps are also shown in the Youtube video at: <https://youtu.be/iwnTV30c4Z4>.

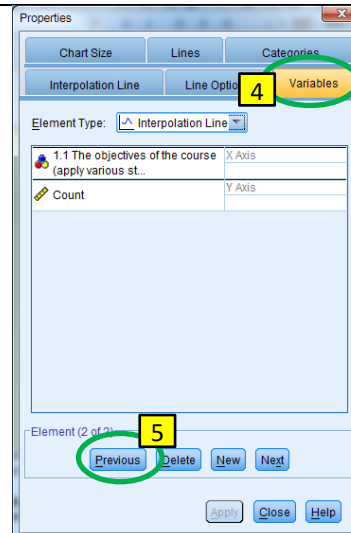
The example file used is *StudentStatistics.sav* available on the companion website <http://PeterStatistics.com>.

Frequency polygon

<p>1. Create a bar chart of the variable (see separate instructions on how to generate bar chart in SPSS)</p>	<p><= READ STEP 1</p>
<p>2. Double click somewhere in the output on the bar chart to open the chart editor</p>	 <p>The screenshot shows the SPSS Output Viewer window. On the left, the 'Output' pane lists 'GGraph', 'Title', 'Notes', and 'Graph'. The main window displays a bar chart titled '1.1 The objectives of the course (apply various statistical tools and also perform these with SPSS) were clear'. The y-axis is labeled 'Percent' and ranges from 0,0% to 25,0%. The x-axis categories are 'Fully Disagree', 'Disagree', 'Neither disagree nor agree', 'Agree', and 'Fully agree'. A green circle is drawn around the chart, and a yellow box with the number '2' is positioned over the 'Fully agree' bar.</p>
<p>3. Click on  (the Add interpolation line shortcut)</p>	 <p>The screenshot shows the SPSS Chart Editor window. The toolbar at the top contains various icons for editing the chart. A green circle highlights the 'Add interpolation line' button, which is represented by a line with a square marker. A yellow box with the number '3' is placed over this button. The chart area below shows the same bar chart as in the previous step, but with the title '1.1 The objectives of the course (apply various statistical tools and also perform these with SPSS) were clear'.</p>

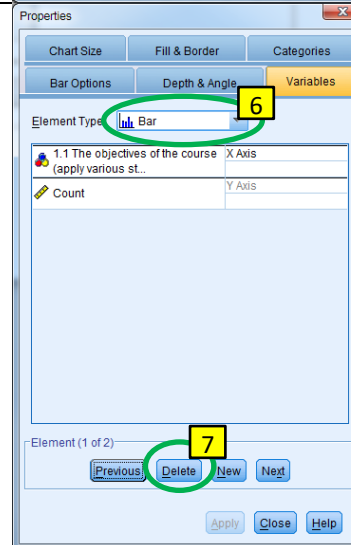
4. Click in the Properties window on the tab **Variables**

5. Click on **Previous**

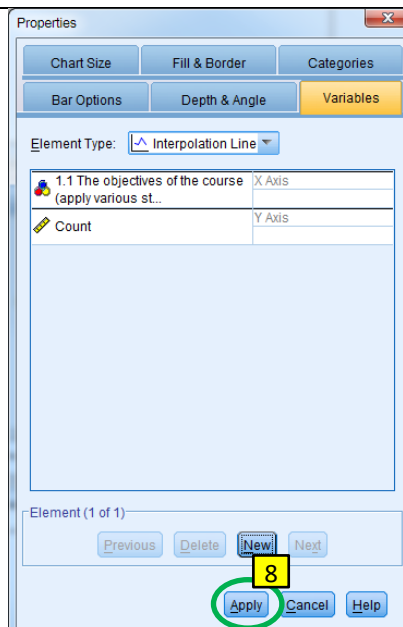


6. Check if it says at Element Type **Bar**

7. Click on **Delete**



8. Click on



9. Close the Chart Editor. The changes will show in the output.

