SPSS: Frequency polygon (scale) (via Chart builder)

This document will explain how to generate a Frequency polygon from a scale variable using the Chart builder in SPSS as shown below.

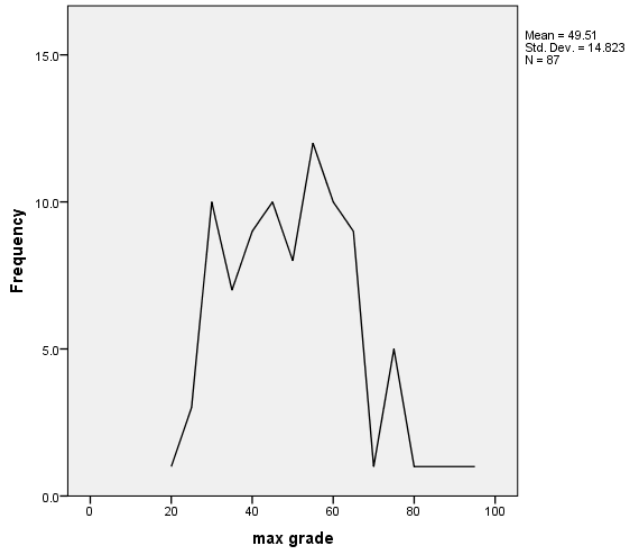


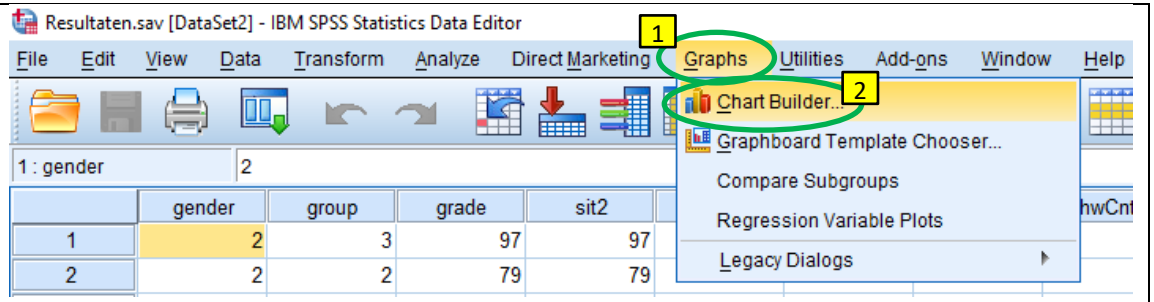
Figure 1. Example Frequency polygon generated with SPSS

The described steps are also shown in the Youtube video at: https://youtu.be/m3RK0Xro3KI.

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

Frequency polygon

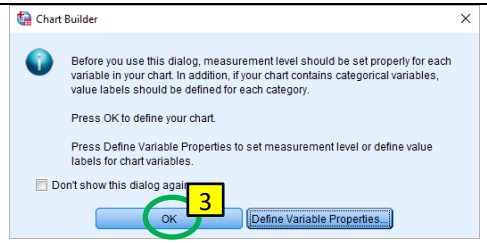
1. Click in the menubar on Graphs
2. Click on Chart Builder...



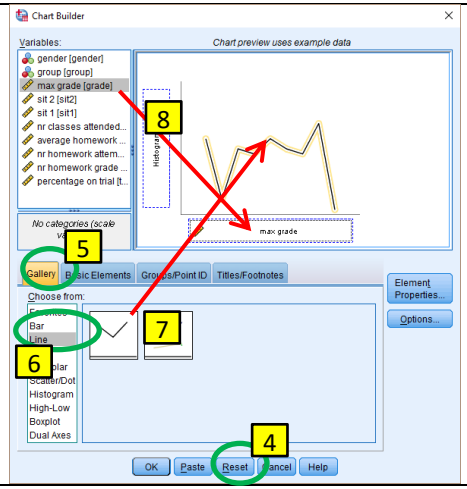
You'll probably get a warning about measurement levels. If you have not set those correct in the Variable View, you might want to do so first.

3. Click on OK

Optional: You can also tick the option Don't show this dialog again, to prevent this message in the future.



4. Click on Reset
5. Click on the tab Gallery
6. Click on the category 'Line'
7. **Drag** the 'Simple Line' to the preview area
8. **Drag** the variable of which you want the frequency polygon to X-Axis?



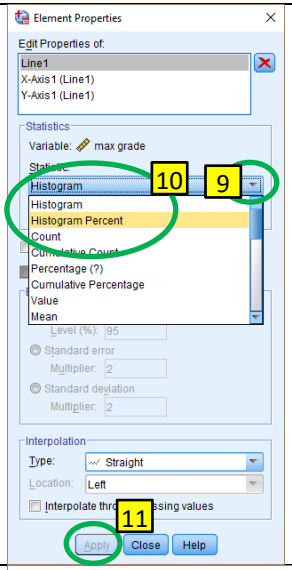
Optional: Follow the steps below if you want to show percentages instead of absolute frequencies.

9. In the **Element Properties** screen, click on the pull down button at Statistic (next to 'Histogram')

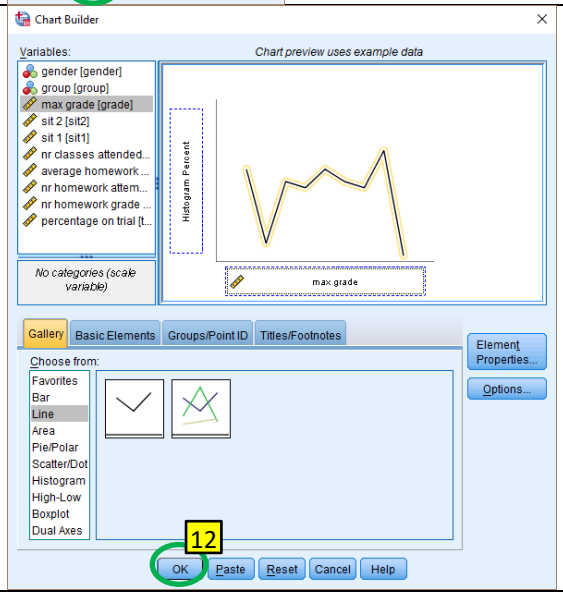
Note:
If you do not see the *Element Properties* screen, click on Element Properties...

10. Click on *Histogram Percent* for percentages.

11. Click on Apply



12. Click on OK



Change number of bins

Follow the steps below to adjust the number of bins.

1. DOUBLE-click in the output on the histogram to open the Chart editor	<= READ
2. Click on the line. 3. Click at Properties on the Binning 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 button) 4. Click on Custom 5. Type the desired number of bins Number of intervals: 8 6. Click on Apply 7. Close the Chart editor (changes will be shown in the output)