SPSS: Histogram (via Frequencies)

This document will explain how to generate a Histogram (via Frequencies) using SPSS as shown below.

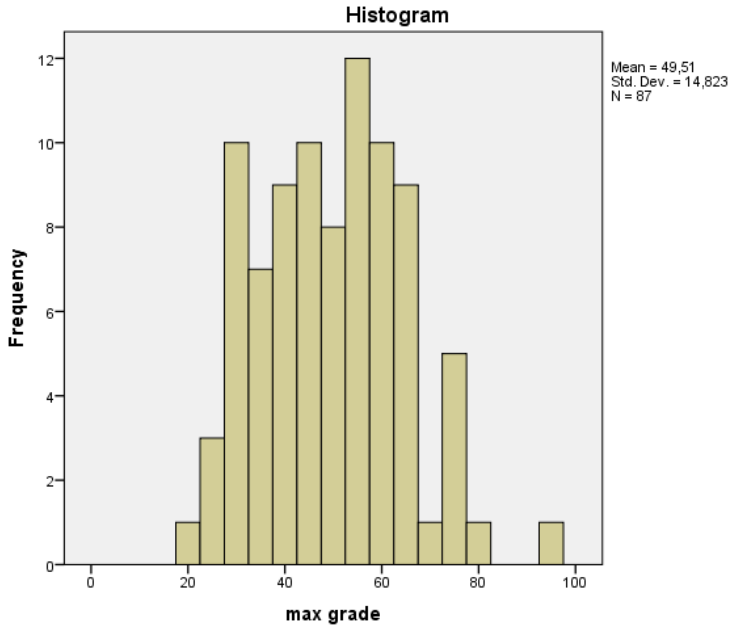


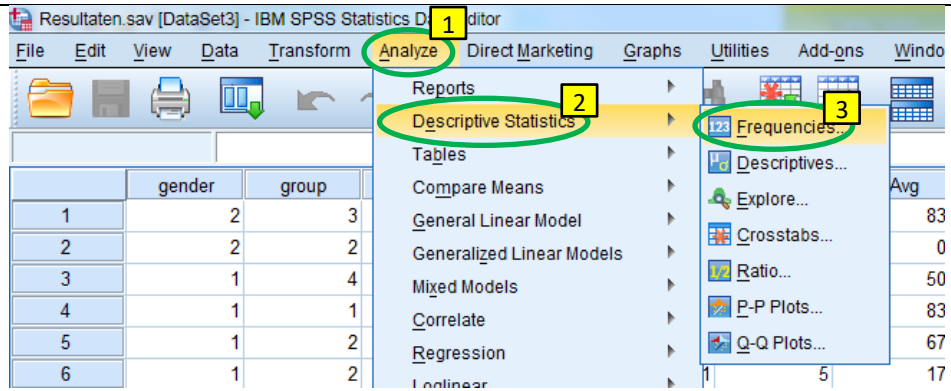
Figure 1. Example Histogram generated with SPSS

The described steps are also shown in the Youtube video at: https://youtu.be/l4l5FjoaU1o

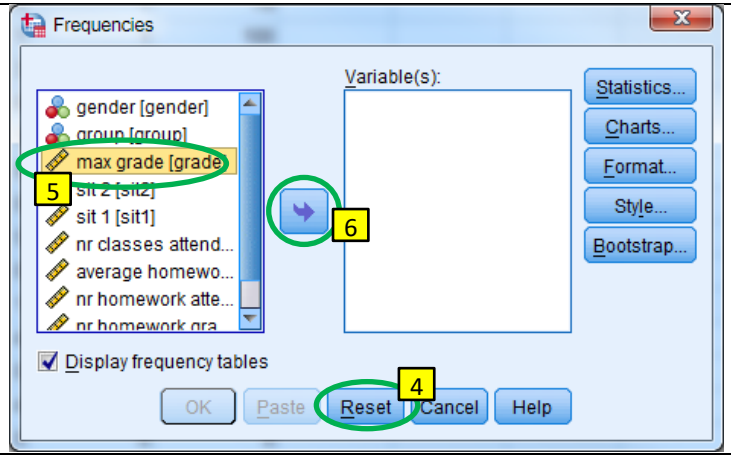
The example file used is *Resultaten.sav* available on the companion website http://PeterStatistics.com.

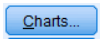
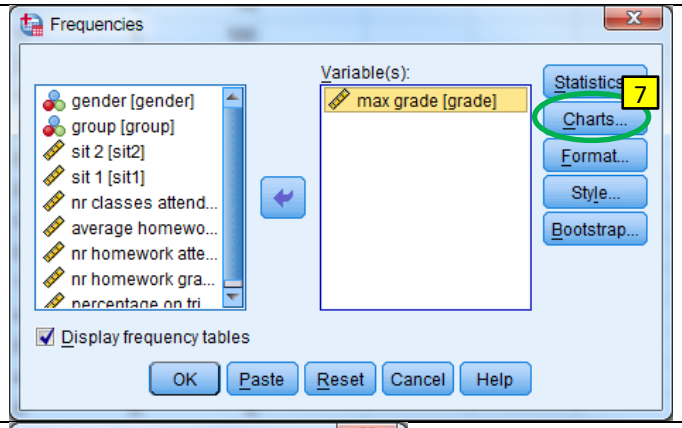
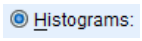
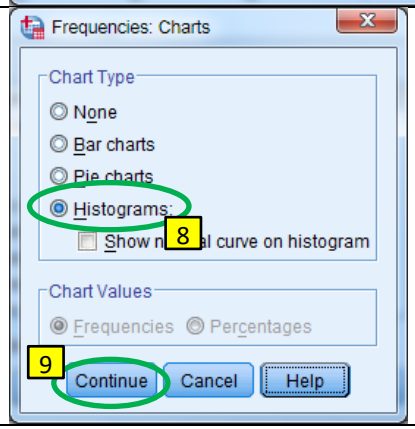
Histogram (simple)

1. Click in the menubar on Analyze
2. Click on Descriptive Statistics
3. Click on Frequencies...



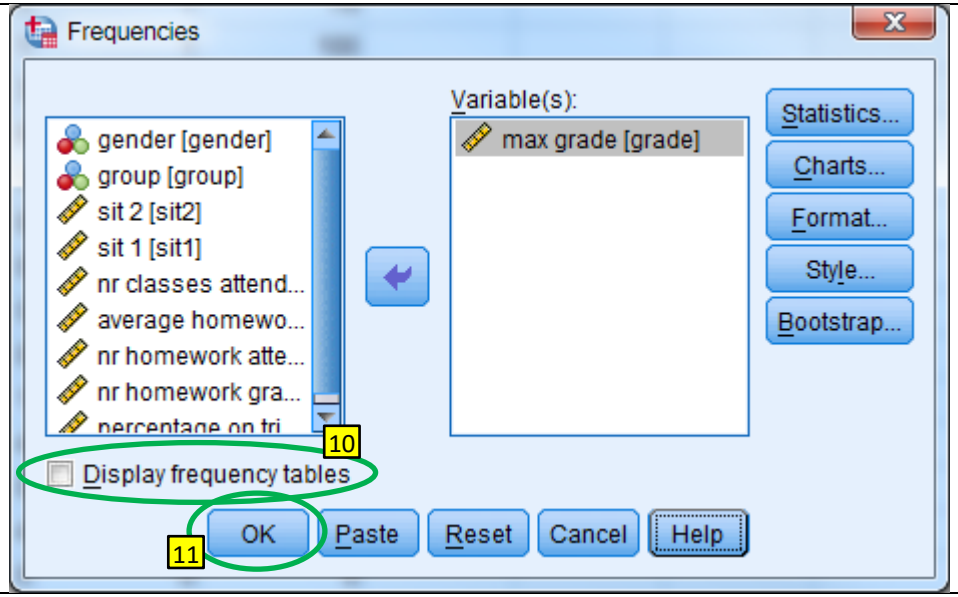
4. Click on Reset
5. Click on the scale variable(s) of which you want a histogram
6. Click on to move it to the *Variable(s):*



7. Click on 	
8. Click on  9. Click on 	

10. Uncheck ☐ Display frequency tables unless you also want to see the frequency table.

11. Click on OK



Change number of bins

Follow the steps below to adjust the number of bins.

<table>
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1. DOUBLE-click in the output on the histogram to open the Chart editor

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<= READ

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2. Click on one of the bins so all of them will be selected.

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)

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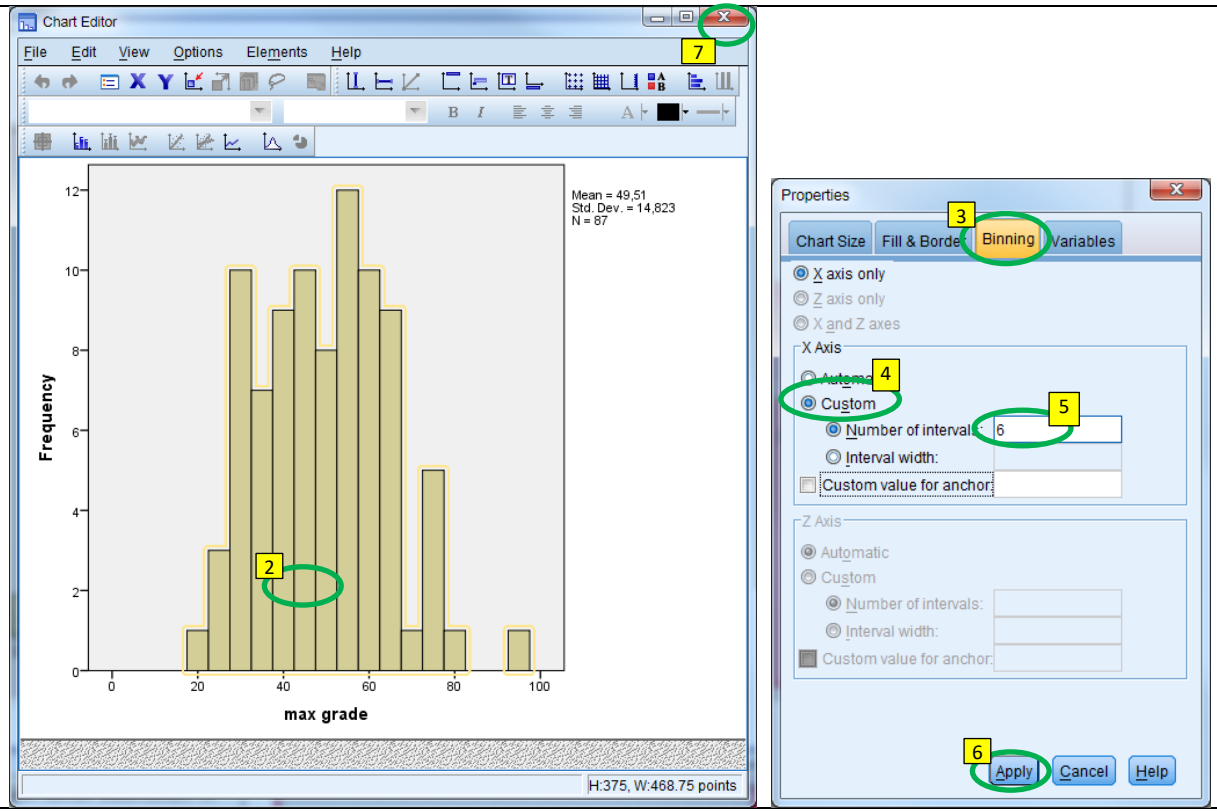

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In percentages

You can change the histogram to show percentages on the vertical axis instead of counts by following the steps below.

1. DOUBLE-click in the output on the histogram to open the Chart editor	<= READ
2. Click at Properties on the Variables 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) 3. Click on the pull down icon at Percent ($percent) 4. Click on ' Y Axis' 5. Click on Apply 6. Close the Chart editor (changes will be shown in the output)