

SPSS: Histogram (via Chart builder)

This document will explain how to generate a histogram using SPSS as shown below.

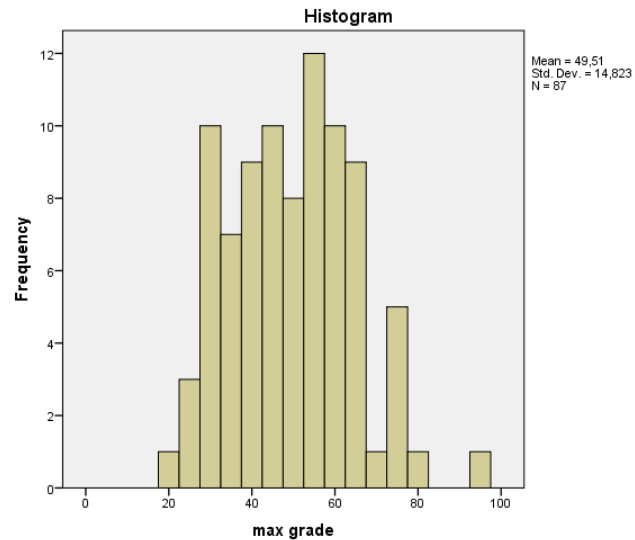


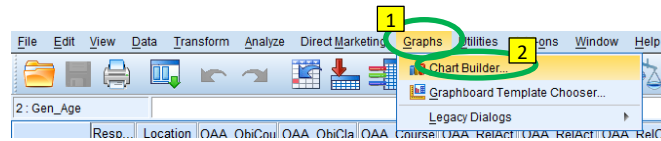
Figure 1. Example split histogram generated with SPSS

The described steps are also shown in the Youtube video at: <https://youtu.be/zoB0w2VrKFY>

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

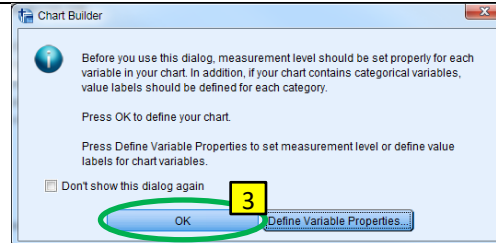
Histogram

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



Je zal waarschijnlijk een melding krijgen dat het belangrijk is dat je de meetniveaus goed hebt staan. Hopelijk heb je dit al lang goed gedaan

3. Click on **OK**

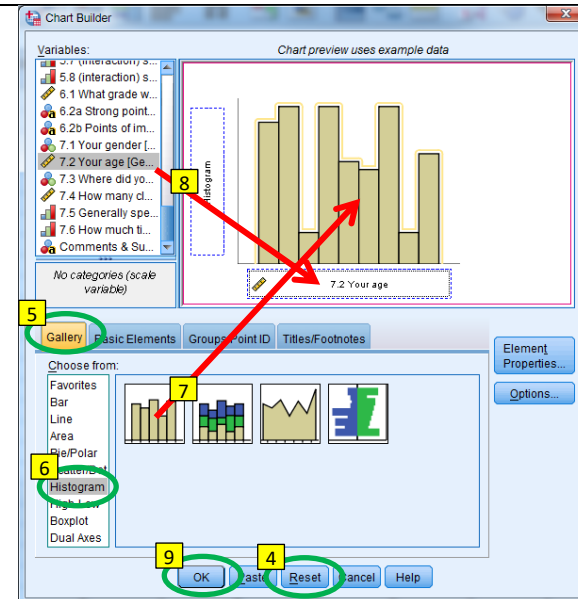


Optioneel: Je kunt ook de optie ☐ **Don't show this dialog again** aanvinken, zodat je deze melding niet meer krijgt.

4. Click on **Reset**
5. Click on **Gallery**
6. Click on **Histogram**



7. Sleep Simple Histogram naar het witte vlak.
8. Sleep de scale variabele naar **X-Axis?**
9. 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

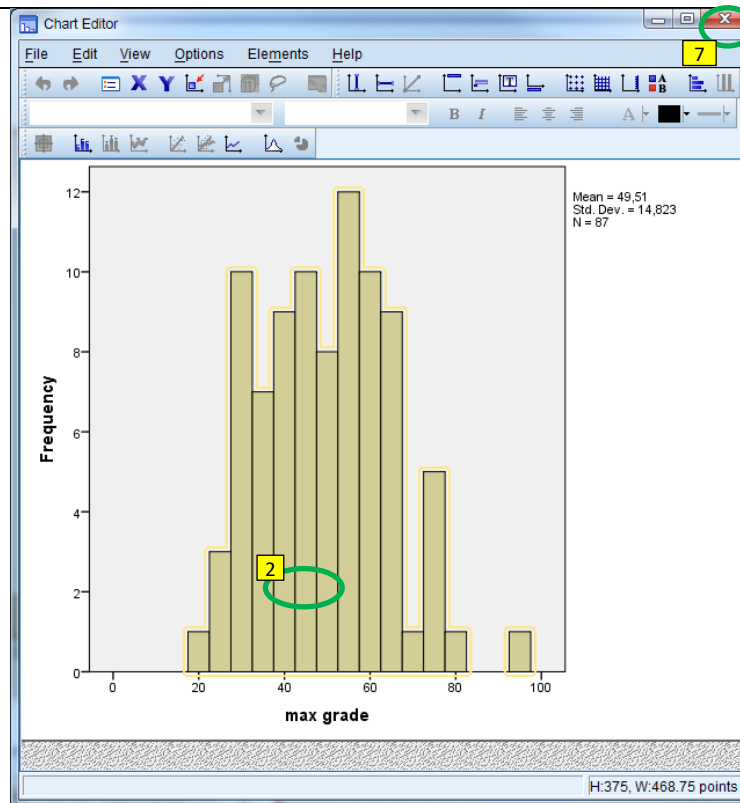
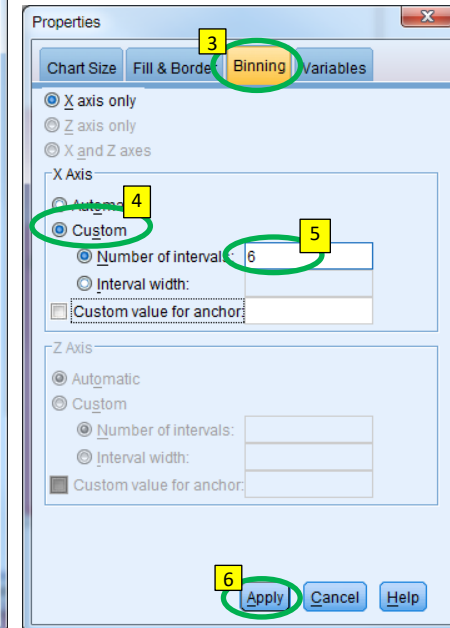
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2. Click on one of the bins so all of them will be selected.
3. Click at Properties on the **Binning** tab

Note:

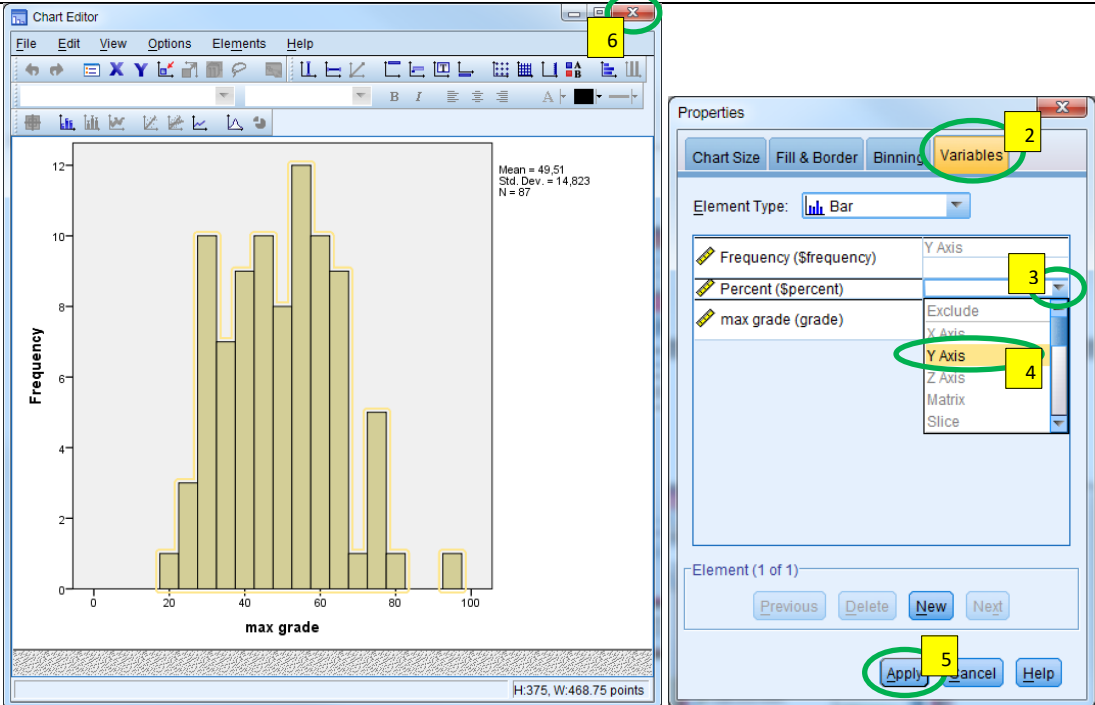
If you do not see the properties window, you can click in the menubar on *Edit* and then on *Properties* (or use the shortcut CTRL+T, or the button )

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)

In percentages

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

1. <u>DOUBLE</u>-click in the output on the histogram to open the Chart editor	<= READ
2. Click at Properties on the Variables tab <i>Note:</i> If you do not see the properties window, you can click in the menubar on <i>Edit</i> and then on <i>Properties</i> (or use the shortcut CTRL+T, or the button ) 3. Click on the pull down icon  at <u>Percent (\$percent)</u> 4. Click on 'Y Axis' 5. Click on Apply 6. Close the Chart editor  (changes will be shown in the output)	 The screenshot shows the SPSS Chart Editor window with a histogram of 'max grade'. The Y-axis is labeled 'Frequency' and ranges from 0 to 12. The X-axis is labeled 'max grade' and ranges from 0 to 100. The histogram bars are olive green. The Properties dialog box is open, showing the 'Variables' tab. The 'Y Axis' is selected for 'Percent (\$percent)'. The 'Apply' button is highlighted.