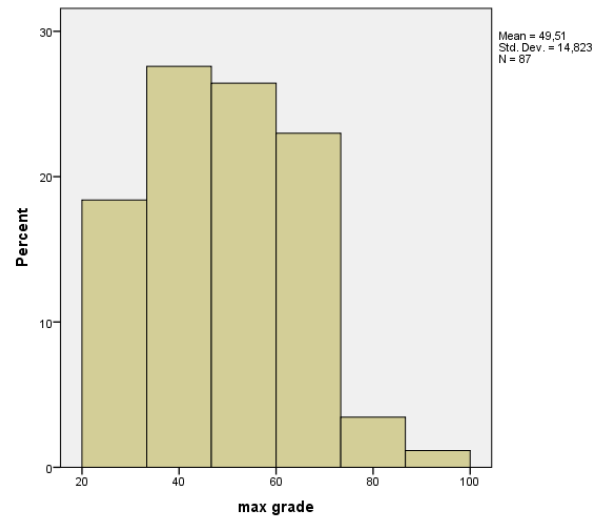


# SPSS: Histogram (via Explore)

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Below are the steps to generate a histogram via the **Explore** option in SPSS.



The described steps are also shown in the Youtube video at: <https://youtu.be/9YsDrEIC8ME>

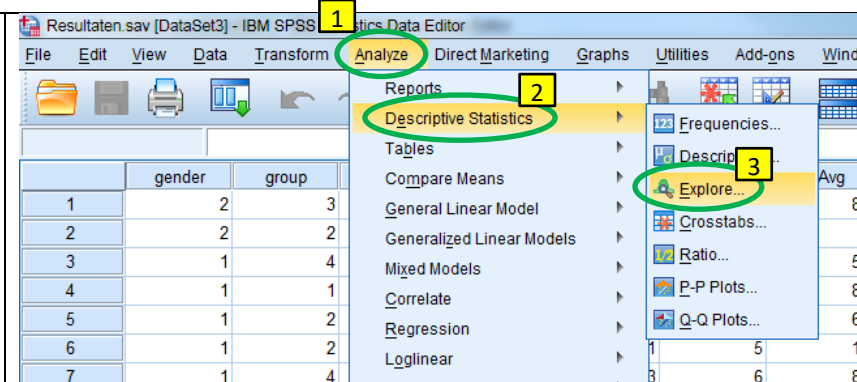
The example file used is *Resultaten.sav* available on the companion website <http://PeterStatistics.com>.

## 1 Simple Histogram

1. Click on **Analyze**


2. Click on **Descriptive Statistics**

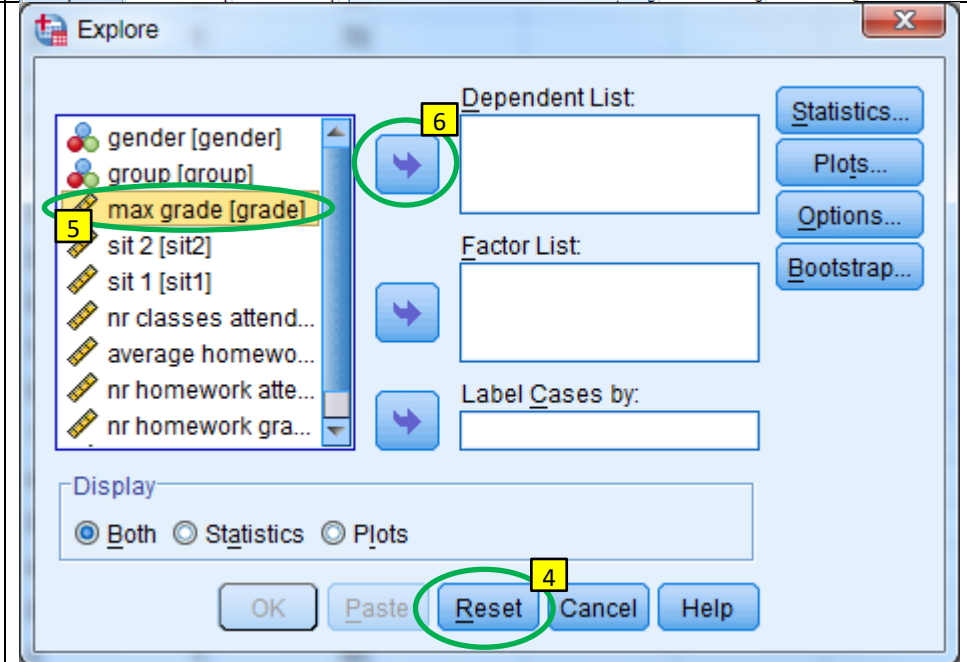
3. Click on **Explore...**



4. Click on **Reset**

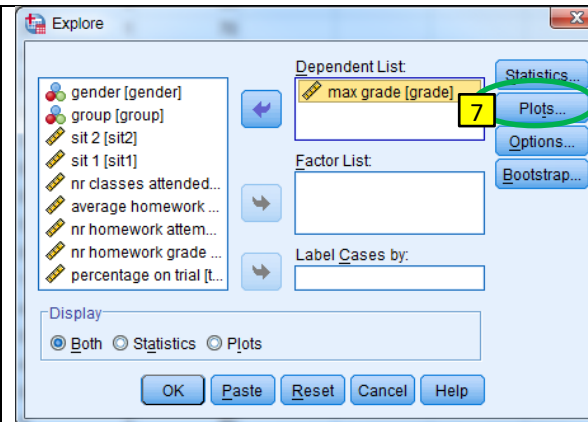
5. Click on the (scale) variable of which you want a histogram.

6. Click on  to move it to *Dependent List*



SPSS: Histogram (via Explore)

7. Click on **Plots...**

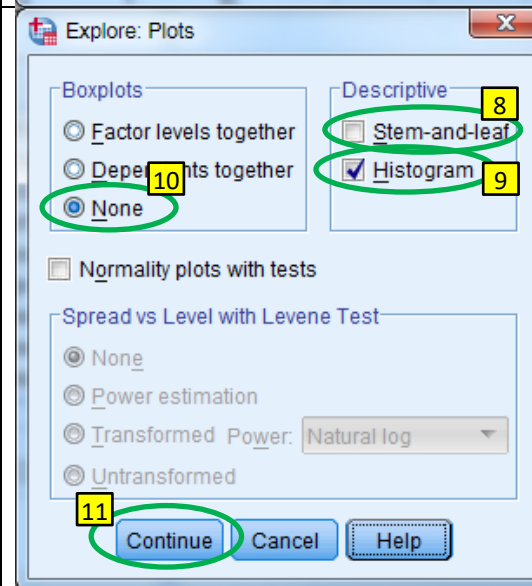


8. Uncheck at Descriptive **Stem-and-leaf**


9. Check at Descriptive **Histogram**


10. Click at Boxplots on **None**

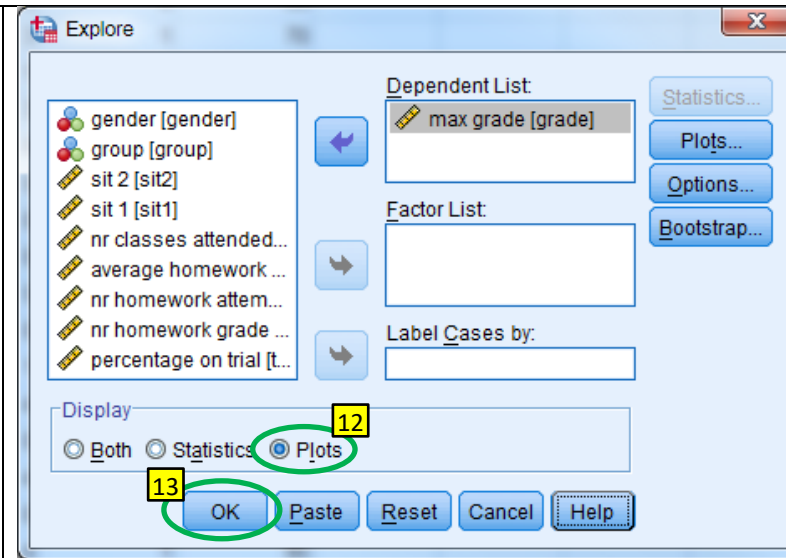
11. Click on **Continue**



SPSS: Histogram (via Explore)

12. Click on  (unless you also want to see some other statistics)

13. Click on 



## 2 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

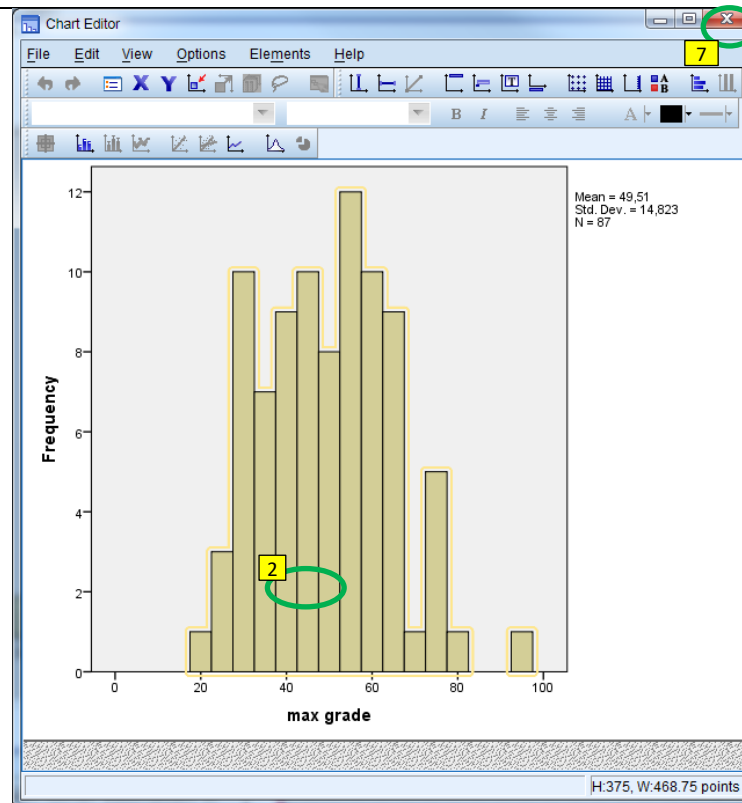
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2. Click on one of the bins so all of them will be selected.
3. Click at Properties on the **Binning** tab

**Note:**




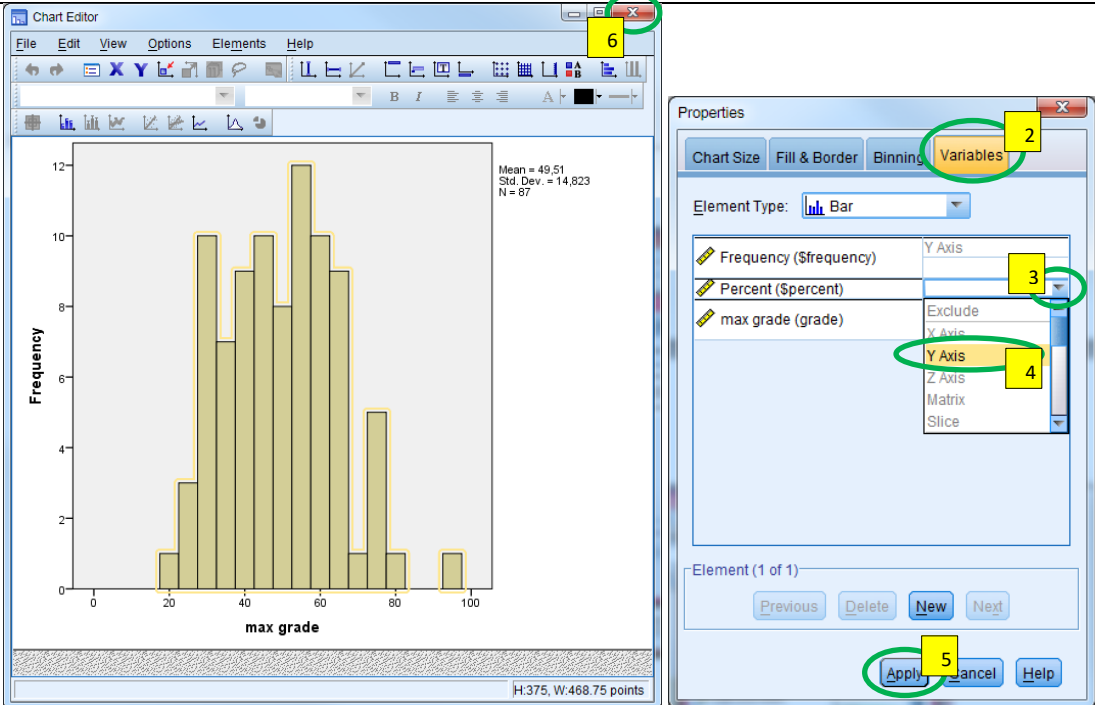
If you do not see the properties window, you can click in the menubar on *Edit* and then on *Properties* (or use the shortcut CTRL+T, or the button )

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)



### 3 In percentages

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

<ol style="list-style-type: none"> <li>1. <u>DOUBLE</u>-click in the output on the histogram to open the Chart editor</li> </ol>	<= READ
<ol style="list-style-type: none"> <li>2. Click at Properties on the <b>Variables</b> tab</li> </ol> <p><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 )</p> <ol style="list-style-type: none"> <li>3. Click on the pull down icon  at <u>Percent (\$percent)</u></li> <li>4. Click on 'Y Axis'</li> <li>5. Click on <b>Apply</b></li> <li>6. Close the Chart editor  (changes will be shown in the output)</li> </ol>	 <p>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 the 'Percent (\$percent)' variable. The 'Apply' button is highlighted. The 'Chart Editor' window has a close button (X) in the top right corner, which is circled in red.</p>