SPSS: Histogram (using Legacy)

Below are the steps to generate a histogram or split histogram via the Legacy dialogs option in SPSS.

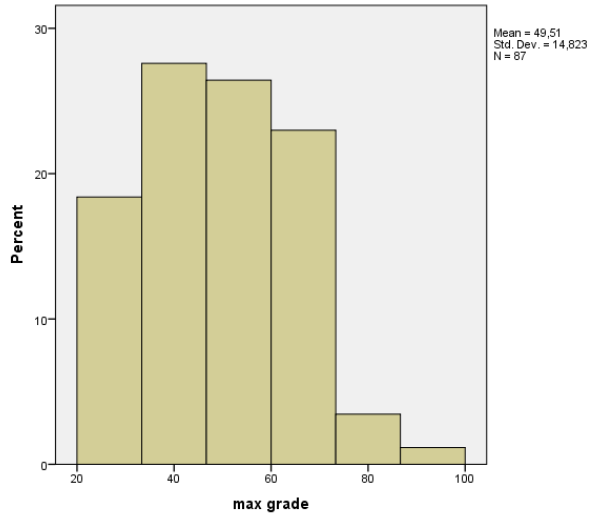


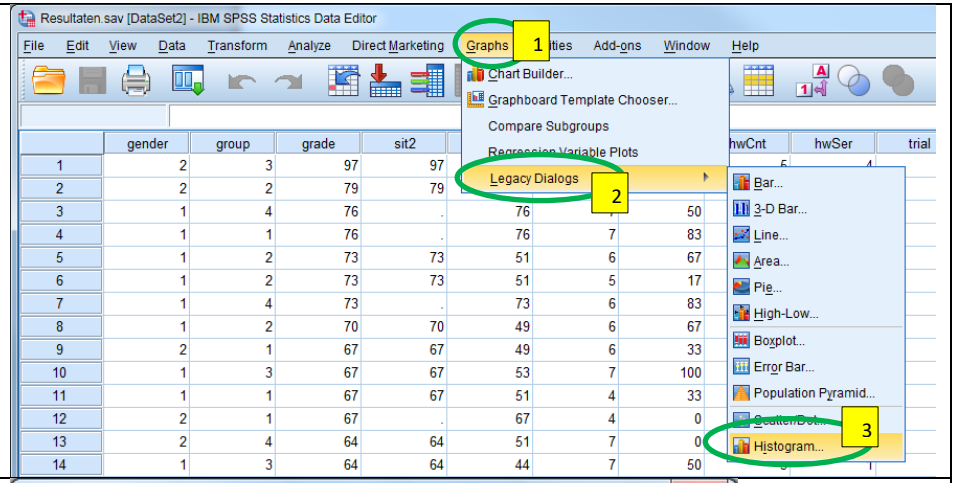
Figure 1. Example histogram generated with SPSS

The described steps are also shown in the Youtube video at: https://youtu.be/XB5saleE_FE

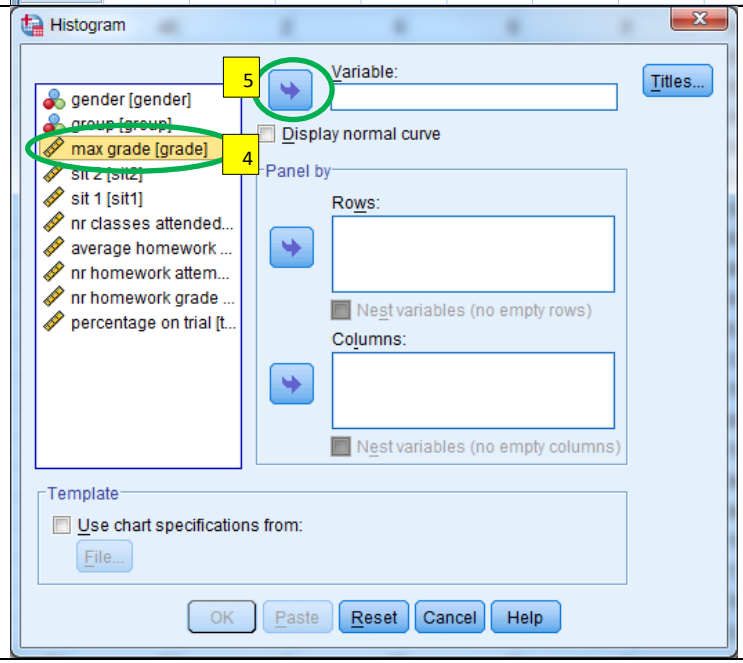
The example file used is *Resultaten.sav* available on the companion website http://PeterStatistics.com.

1 Simple Histogram

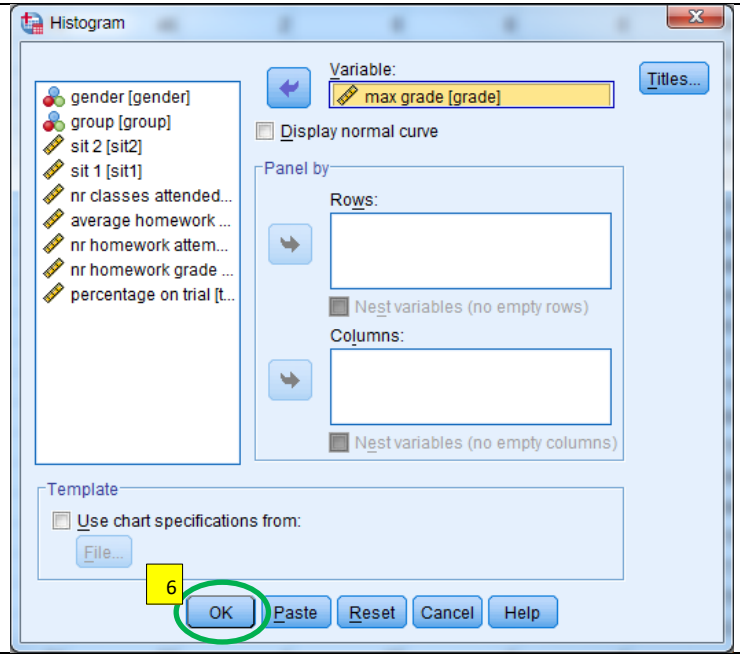
1. Click on Graphs
2. Click on Legacy Dialogs
3. Click on Histogram...



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

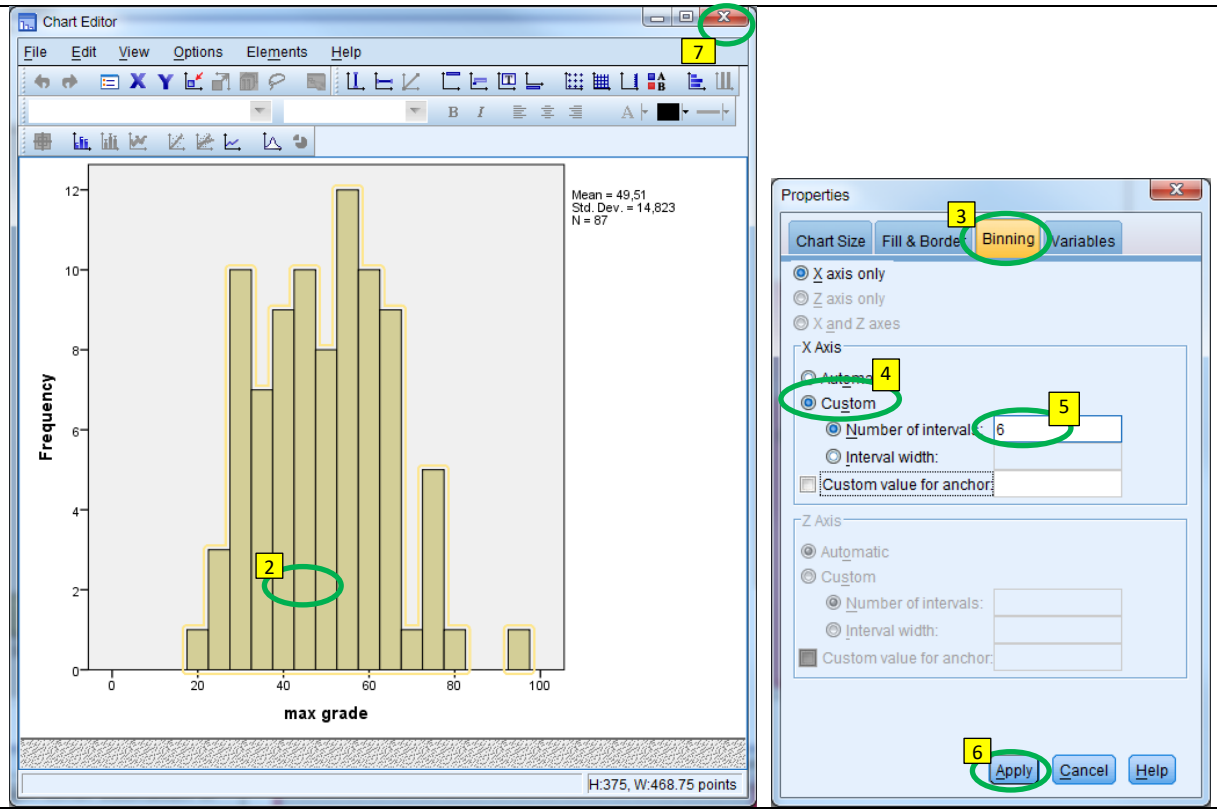


6. Click on OK


Histogram
gender [gender]
group [group]
sit 2 [sit2]
sit 1 [sit1]
nr classes attended...
average homework ...
nr homework attem...
nr homework grade ...
percentage on trial [t...
Variable:
max grade [grade]
Titles...
Display normal curve
Panel by
Rows:
Nest variables (no empty rows)
Columns:
Nest variables (no empty columns)
Template
Use chart specifications from:
File...
6
OK
Paste
Reset
Cancel
Help

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	<= READ
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.

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)