

SPSS: Pareto plot

This document will explain how to generate a Pareto plot in SPSS as shown below.

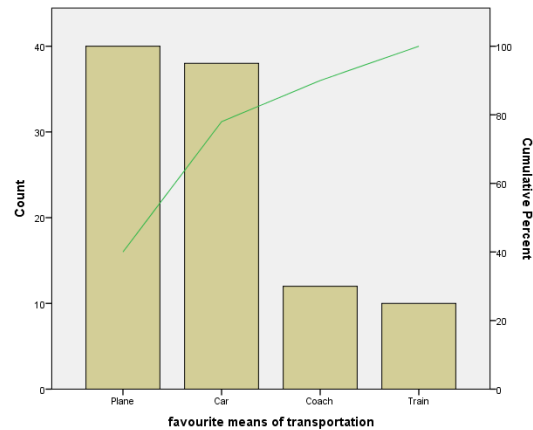


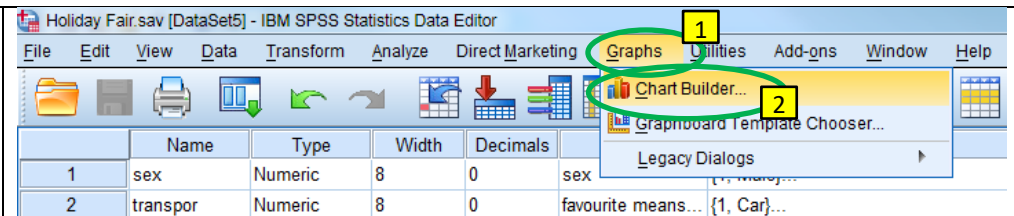
Figure 1. Example Pareto plot generated with SPSS

The described steps are also shown in the Youtube video at: <https://youtu.be/1SFuZzhzQto>.

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

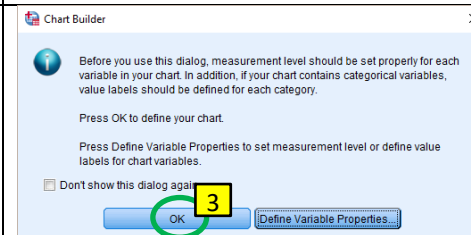
Pareto Plot

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



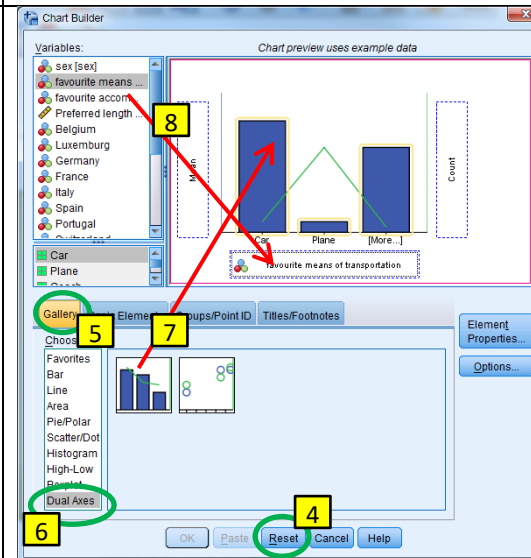
You'll probably get a warning about measurement levels. If you have not set those correct in the Variable View, you might want to do so first.


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 'Dual Axes'
7. **Drag** the 'Dual Y axis with categorical X axis' to the preview area
8. **Drag** the variable of which you want the Pareto plot to **X-Axis?**



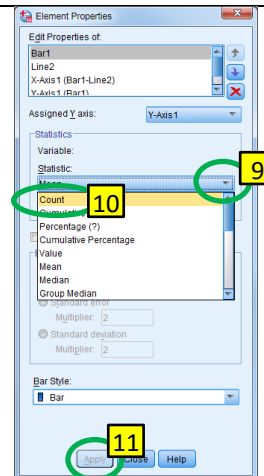
9. In the **Element Properties** screen, click on the pull down button at Statistic  (next to 'Mean')

Note:

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

10. Click on *Count*, or on *Percentage(?)*. (you probably have to scroll up to see them)

11. Click on 

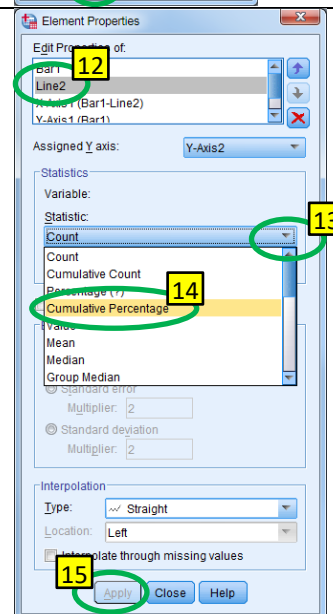



12. Click on *Line 2*.

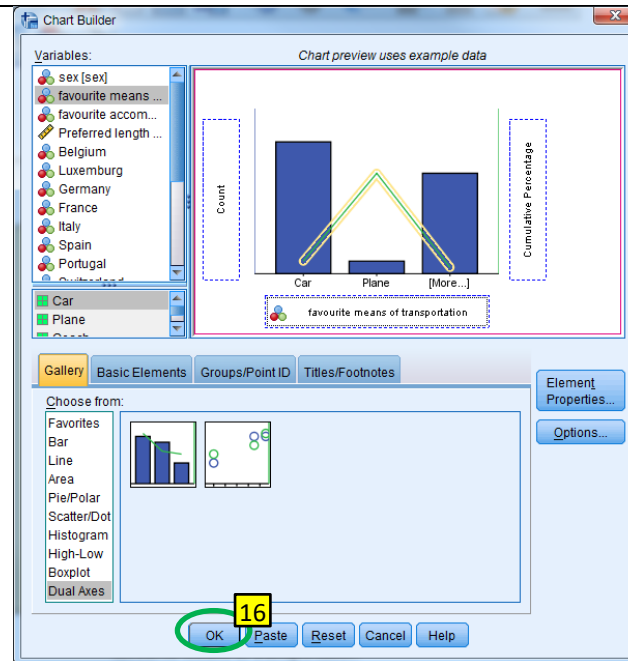
13. Click on the pull down button at Statistic  (next to Count)

14. Click on *Cumulative Percentage*

15. Click on 

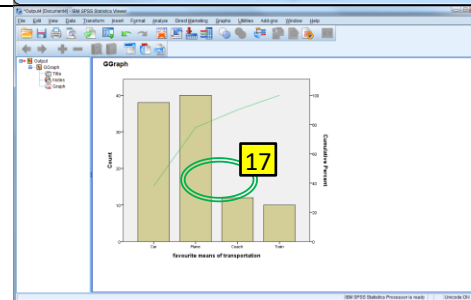


16. Click on 

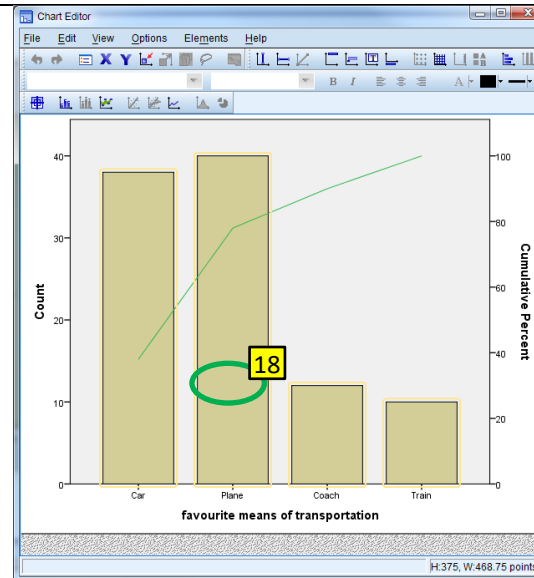


If the bars are already in descending order, you are done, but often they are not. In that case follow the steps below.

17. DOUBLE click in the output on the chart to open the Chart Editor



18. Click on the bars in the Chart Editor.




19. Click on the tab **Categories**


20. Click on the pull down arrow next to Value

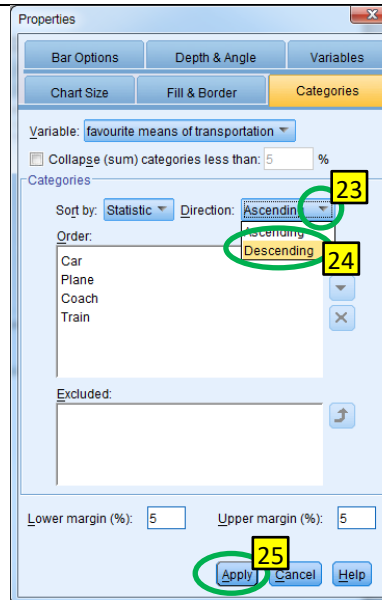
21. Select *Statistic*

22. Click on **Apply**

23. Click on the pull down arrow next  to Ascending

24. Select *Descending*

25. Click on 



26. Close the Chart Editor.

