

Bar Graphs in SPSS

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References:

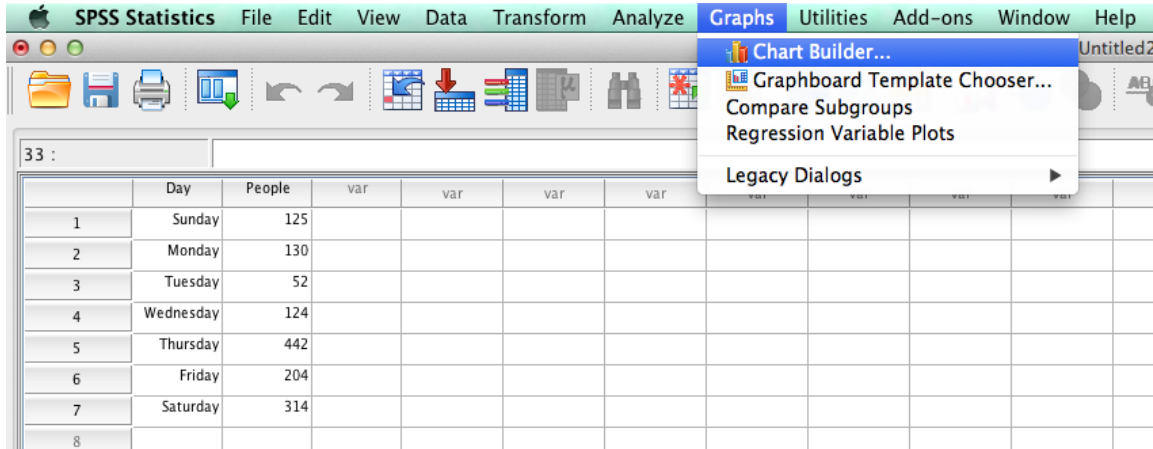
IBM Corp. Released 2013. IBM SPSS Statistics for Macintosh, Version 22.0. Armonk, NY: IBM Corp.

Objective:

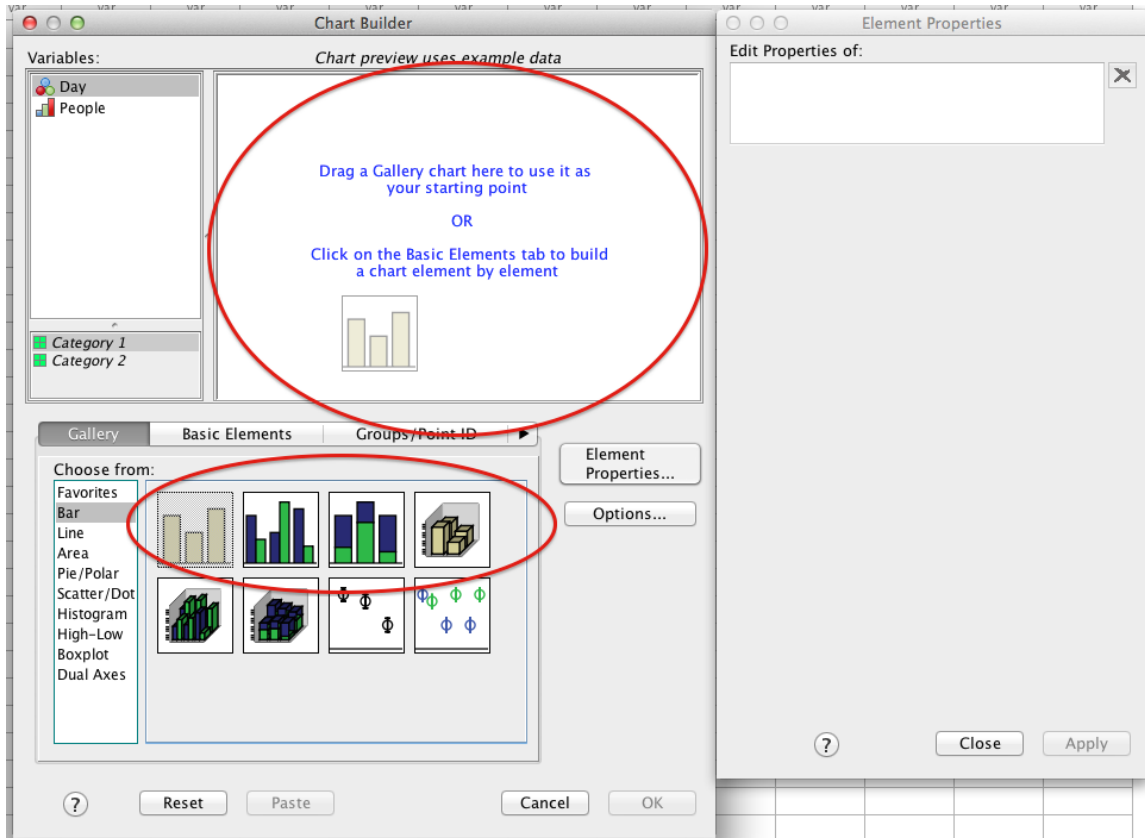
- ❖ Create a bar graph for a categorical variable for which values do not add up to 100%.

Steps to Creating a Bar Graph in SPSS

1) Go to the “Graphs” menu and select “Chart Builder.”



2) Select the type of graph and drag it up to the open area.



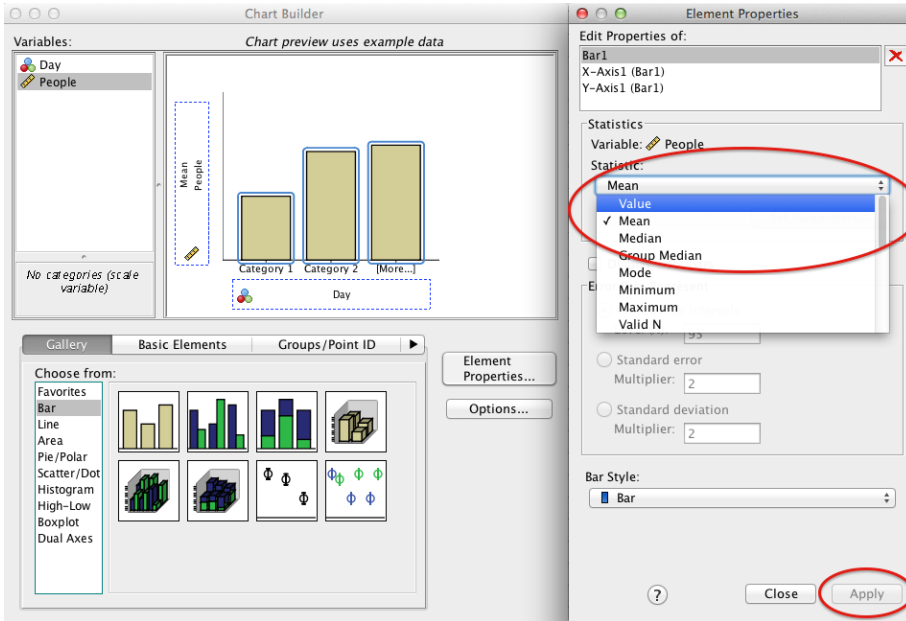
3) Drag the categorical variable from the column on the left to the area below the graph labeled “X-Axis?”

The screenshot shows the 'Chart Builder' dialog box. On the left, the 'Variables' list contains 'Day' and 'People'. 'Day' is circled in red. The 'Chart preview' area shows a bar chart with three bars. A dashed box labeled 'Y-Axis?' is on the left, and a dashed box labeled 'Day X-Axis?' is at the bottom, both circled in red. Below the preview is a 'Gallery' with 'Basic Elements' selected. The 'Element Properties' dialog is open on the right, showing 'Bar1' selected, with 'X-Axis1 (Bar1)' and 'Y-Axis1 (Bar1)' listed. The 'Statistic' is set to 'Count'.

4) Drag the count or frequency variable that goes along with the selected categorical variable into the space now labeled “Count.”

The screenshot shows the 'Chart Builder' dialog box. On the left, the 'Variables' list contains 'Day' and 'People'. 'People' is circled in red. The 'Chart preview' area shows a bar chart with three bars. A dashed box labeled 'Count' is on the left, and a dashed box labeled 'Day' is at the bottom, both circled in red. Below the preview is a 'Gallery' with 'Basic Elements' selected. The 'Element Properties' dialog is open on the right, showing 'Bar1' selected, with 'X-Axis1 (Bar1)' and 'Y-Axis1 (Bar1)' listed. The 'Statistic' is set to 'Count'.

5) This will automatically change “Count” to “Mean.” So the next step is to change this back to count or frequency by choosing the “Statistic” menu in the window on the left and selecting “Value.” (It may be necessary to scroll up to find value in the menu). Then, choose “Apply” at the bottom left.



6) Finally, click “OK.” The graph will appear in the Output window.

