

Bar Charts and Frequency Distributions

Use to display the distribution of categorical (nominal or ordinal) variables. For the continuous (numeric) variables, see the page Histograms, Descriptive Stats and Stem and Leaf.

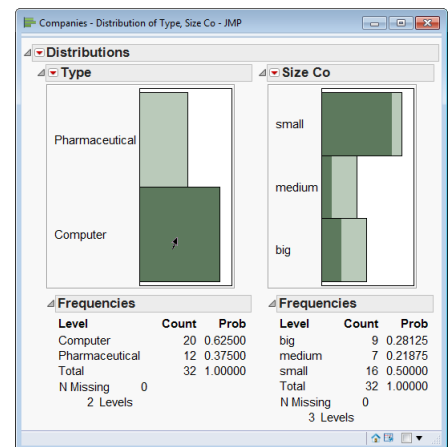
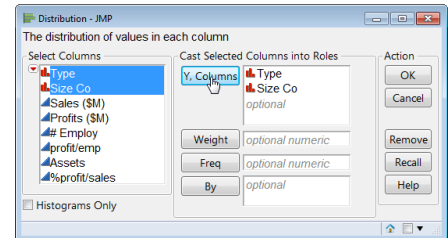
Bar Charts and Frequency Distributions

1. From an open JMP data table, select **Analyze > Distribution**.
2. Click on one or more nominal or ordinal variables from **Select Columns**, and click **Y, Columns** (nominal variables have red bars, and ordinal variables have green bars).
3. If you have summarized data (a column with counts), enter the column into **Freq**.
4. Click **OK** to generate bar charts and frequency distributions for each variable.

Tips:

- To change the display from vertical to horizontal, click on the top red triangle and select **Stack**.
- To change future output to horizontal, go to **Preferences > Platforms > Distribution**, click **Stack** and **Horizontal**, then click OK.
- To change the graphical display for a variable, or to select additional options, click on the **red triangle** for that variable.
- Click on bars in one graph to see the distribution the variable across other variables (dynamic linking).
- Categorical variables display in alphanumeric order. To change the display order, use the **Value Ordering** or **Row Order Levels** column property (right-click on the column, select **Column Info**, then **Column Properties**).

Example: Companies.jmp (Help > Sample Data)



Bar Charts – Another Way

1. Select **Graph > Graph Builder**.
2. Click, then drag and drop a nominal variable from **Select Columns** to the X zone on the bottom of the graph.
3. Click on the bar chart icon above the graph.
4. Drag and drop a continuous weight variable from **Select Columns** to the Y zone on the left of the graph, or a drag and drop a count or frequency variable to the **Freq** field.
5. Select a statistic to be plotted from list of **Summary Statistics** (bottom left).
6. When finished, click **Done** (top left) to close the control panel.

Notes: Bar charts can also be created in the **Chart** platform (**Graph > Chart**). For more details on creating bar charts, see the book **Essential Graphing** (under Help > Books).

