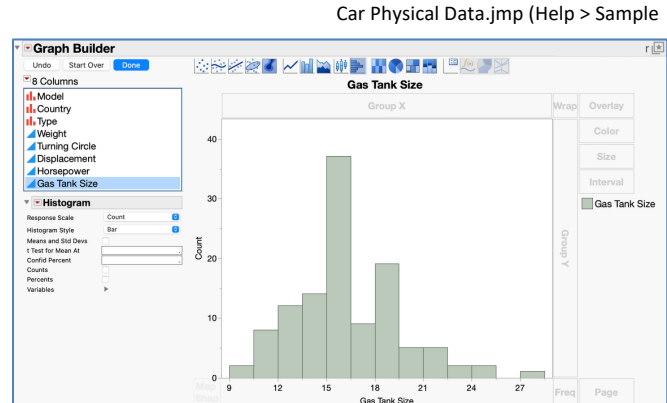


Histogram and Summary Statistics

Use to visualize and summarize the distribution of a continuous variable.

Histogram – Graph Builder

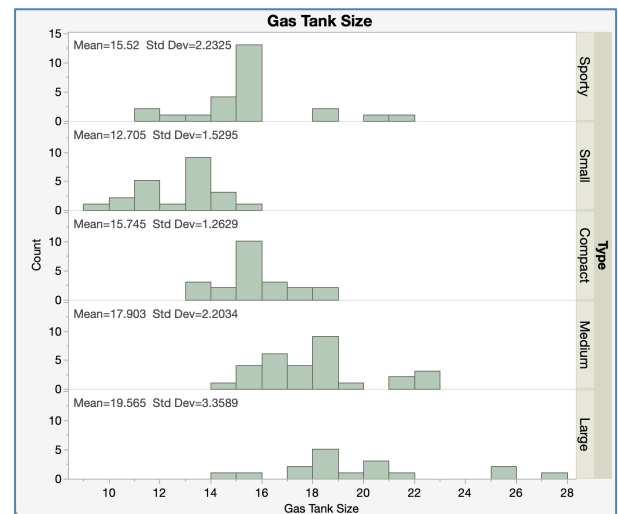
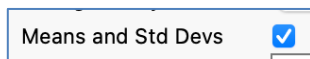
1. Select **Graph > Graph Builder**.
 2. Place a continuous variable on the **X axis**.
- The height of each bar represents the frequency of values within a defined range (i.e., bin size).
 - Right-click or double-click the X axis to open up the axis settings. Change the Increment size to the desired range.



Comparative Histograms

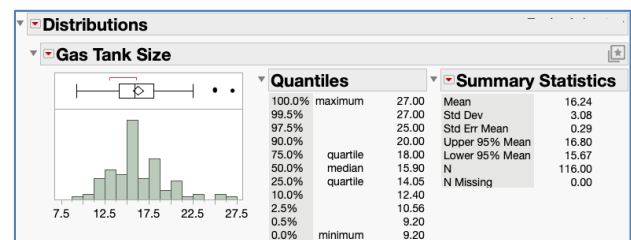
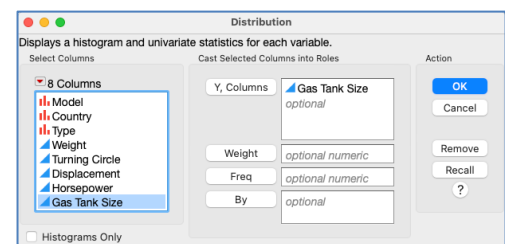
Additional variables can be added by placing them in the **Group X**, **Group Y**, or **Wrap** zone.

- The Mean and Std Dev can be added to the graph by selecting to display them in the controls on the left.



Histograms – Distribution Platform

1. Select **Analyze > Distribution**.
 2. Select on one or more continuous variables, and click **Y, Columns**.
- If you wish to produce a histogram only, select that option. Click **OK**.
- Default is to display a histogram, a boxplot, and tables for the quantiles and summary statistics.
 - Right-click or double-click the **X axis** to open up the **axis settings**. Here we changed the Increment to 2.5
 - Select the red-triangle next to Summary Statistics to add other statistics to the table.



Visit **Discovering JMP > Visualize Your Data > Analyze Single Variables in Univariate Graphs and Basic Analysis > Distributions** in **JMP Help** to learn more.