Box Plots

Use to display the distribution of continuous variables. They are also useful for comparing distributions.

Box Plots – One Variable

1. From an open JMP® data table, select Analyze > Distribution.
2. Click on one or more continuous variables from Select Columns, and Click Y, Columns (continuous variables have blue triangles).
3. Click OK. An outlier box plot is displayed by default next to the histogram (or above if horizontal layout). To display a quantile box plot, select the option from the red triangle for the variable.

Box Plots – Two Variables

1. Select Analyze > Fit Y by X.
2. Click on a continuous variable from Select Columns, and Click Y, Response.
3. Click on a categorical variable and click X, Factor (categorical variables have red or green bars).
4. Click OK. The Oneway Analysis output window will display.
5. Click on the red triangle, and select Display Options > Box Plots to display quantile box plots, or select Quantiles to display both box plots and quantiles (shown right).

Example: Companies.jmp
(Help > Sample Data Library)

Notes: Box plots for one or more variables can also be generated from Graph > Graph Builder. For more information on box plots, see the book Basic Analysis (under Help > Books).