

## **Scatterplots**

Use to display the relationship between two continuous variables. Multiple scatterplots can be displayed together in a matrix plot.

## Scatterplots – Two Variables

- 1. From an open JMP<sup>°</sup> data table, select **Analyze > Fit Y by X**.
- 2. Click on a continuous response (or dependent) variable in Select Columns, and Click Y, Columns.
- 3. Click on a continuous predictor (or independent) variable, and click X, Factor. Click OK
  - Initital output is a scatterplot. Further options are found under the **red traingle**.

y Fit Y by X - Contextual - JMP Pro  $\times$ Models the relationship between two variables. Select Columns Cast Selected Columns into Roles Action 8 Columns Y, Response 🖌 Horsepower OK Model Cancel L Country Weight
Turning Circle X, Factor 🖌 Displacement Remove Recall 🔺 Displacement Help Horsepower 🔏 Gas Tank Size Block optiona Weight optional nu ¢¢¢ Freq optional numeric Oneway By Contingency Logistic

Car Physical Data.jmp (under Help > Sample Data Folder)



- 1. Select Graph > Scatterplot Matrix.
- 2. Select all continuous responses of interest, and click **Y**, **Columns**. Choose Matrix Format. Click **OK**.
  - Initital output is a display of all possible scatterplots. Further options are found under the **red traingle**.







Note: Scatterplots and scatterplot matrices can also be generated from **Analyze > Multivariate Methods > Multivariate** and from **Graph > Graph Builder**.

Visit Discovery JMP > Visualize Your Data > Compare Multiple Variables, Basic Analysis > Bivariate Analyses, Essential Graphing > Scatterplot Matrix, and Multivariate Methods > Correlations and Multivariate Techniques in JMP Help to learn more.