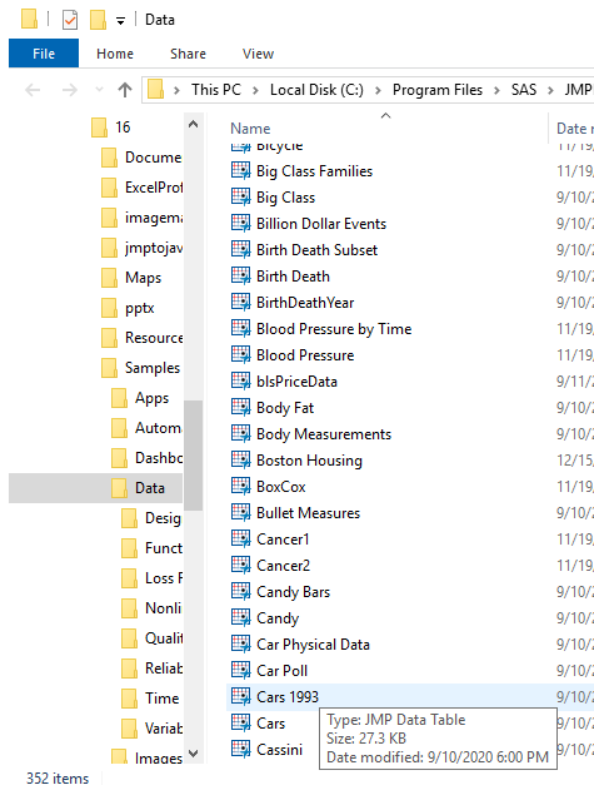
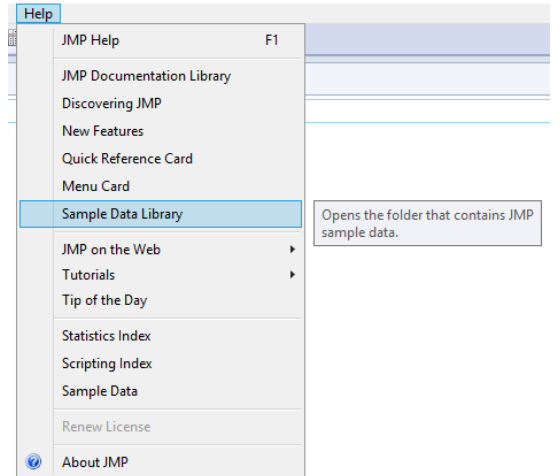
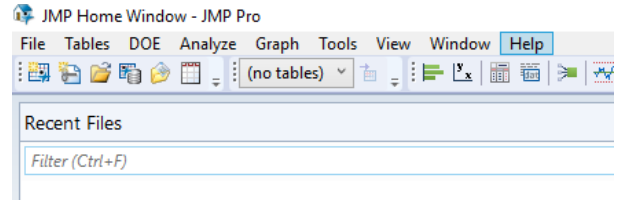


# Demonstration of JMP Pro 16.0 – Week 1 Lab

## Opening a JMP data set

- Open JMP Pro 16.0
- Click on “Help” in the ribbon
- Select “Sample Data Library” → Windows Explorer will open in a new window
- Scroll down to find “Cars 1993” double-click to open in JMP

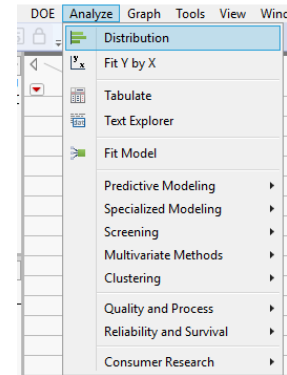


Continue to page 2 for further instructions on exploring data

# Demonstration of JMP Pro 16.0 – Week 1 Lab

## Visually explore variables and their relationships:

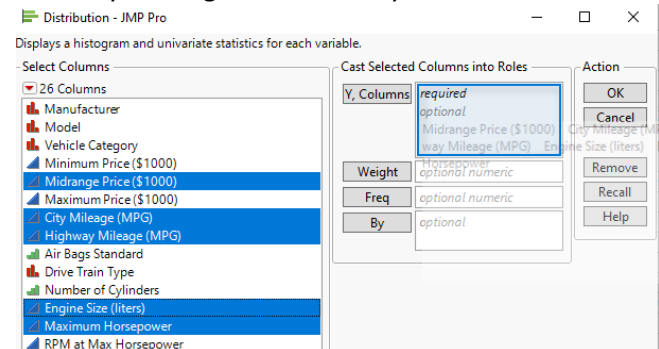
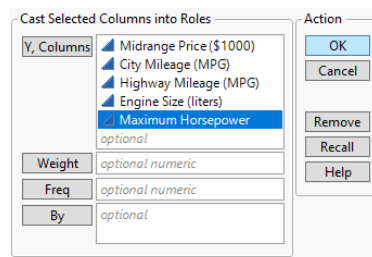
- Explore individual variable distributions:
  - From the ribbon select “Analyze”
  - Select “Distribution” from Analyze menu



- In the Distribution pop-up, select the following variables by holding the control key down while clicking:

- **Midrange price, city mileage, highway mileage, maximum horsepower, engine size**

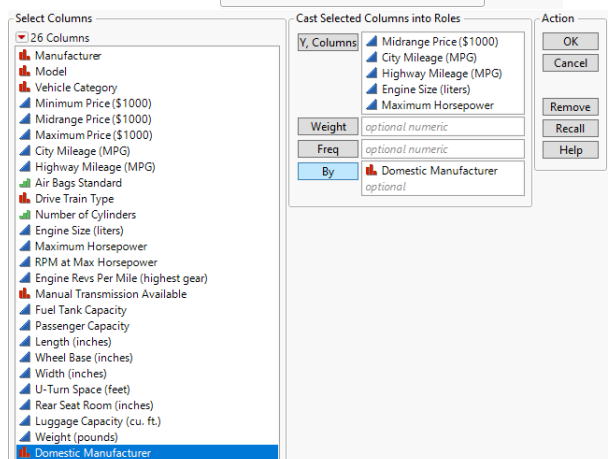
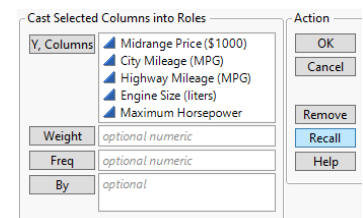
- When all variables are selected, drag them into the “Y, Columns” section and click OK



- Explore variable distributions observing shape of distribution, quantiles, mean, and standard deviation

- Explore variable distributions by second variable:

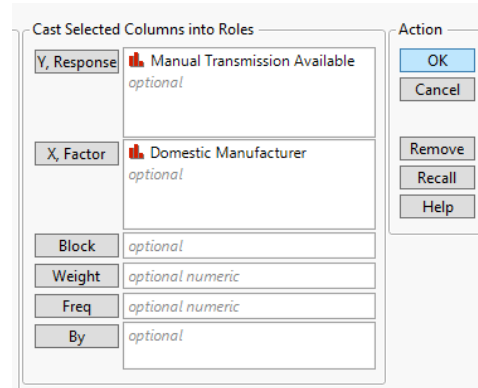
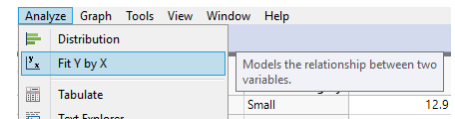
- Repeat above analysis by domestic manufacturer
- In the distribution pop-up, select recall to load previously selected variables.
- Select “Domestic Manufacturer” from Columns menu in distribution pop-up, then click “By” button to move variable to section (another option instead of dragging to window)
- Click Ok to run distributions



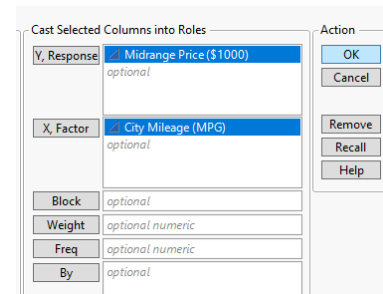
# Demonstration of JMP Pro 16.0 – Week 1 Lab

- Explore relationship between two variables (Fit Y by X):

- From the ribbon select “Analyze”
- Select “Fit Y by X” from Analyze menu
- Explore the relationship between **Manual Transmission Available** and **Domestic Manufacturer**
- In the Fit Y by X pop-up, place “Manual Transmission Available” into the “Y, Response” section and “Domestic Manufacturer” in the “X, Factor” section, click OK



- Repeat the above steps to explore the relationship between:
  - “Midrange Price” (Y) and “City Mileage” (X)



- Click on the little red triangle in the graph window to explore more options

