

### Scenario: Building a Multiple Polynomial Regression Model

Suppose you are an analyst working for an automobile company. You want to examine the relationship between the price of a car and various other attributes of the car. The **cars** data set contains information about a sample of 1993 model cars. As a first step, you'll perform an initial exploration of the data so as to examine the relationship between price and the other continuous variables in the data set. Then you'll generate candidate regression models by using statistics to select the best variables. Finally, you'll compare and evaluate the candidate models to select the most appropriate model. To see details about the **cars** data set, click the Information button.