1 Car Ratings

You work for an independent automobile rating company that provides statistics to consumers. A group of testers recently evaluated four 2012 mid-sized passenger car models and provided the data to you in a worksheet. You need to transform the data into meaningful charts that you will include on your company's Web site. Refer to Figure 3.54 as you complete this exercise.
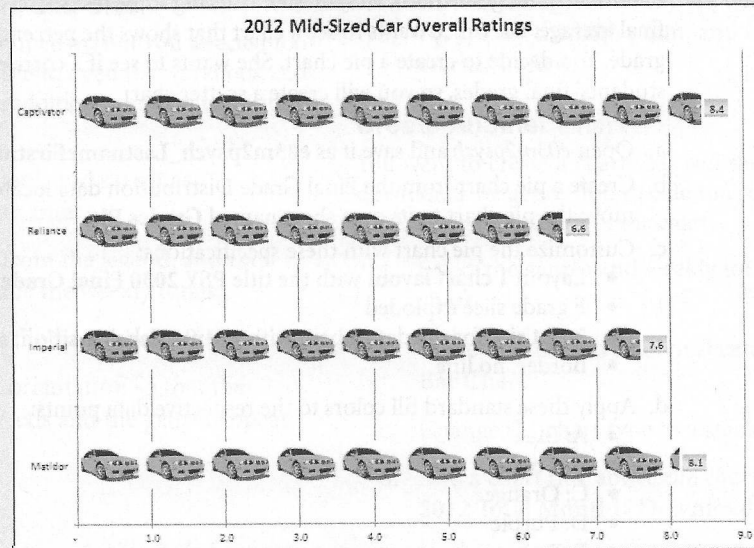

FIGURE 3.54 Automobile Ratings Chart ➤

DISCOVER 🄷

a. Open *e03m1autos* and save it as **e03m1autos_LastnameFirstname**.

b. Insert a column sparkline individually for each car model and for the overall category ratings in column H. Include all ratings, including the average. Apply a different style to each sparkline. Change the row height to **20** for rows containing sparklines.

c. Select the **range A3:F8**, and then create a stacked column chart. You realize that the data in this chart is not cumulative and that you included the overall ratings by category. You also notice that the chart is located to the side of the data. Make the following changes:
   • Change the chart to a clustered column chart.
   • Remove the overall category from the data source.
   • Position the chart starting in **cell A11**, and then increase the chart width through **cell G27**.

d. Make the following design changes:
   • Select **Layout 1** as the chart layout style.
   • Edit the chart title to be **2012 Mid-Sized Car Ratings by Category**.
   • Apply the **Red, Accent 2, Darker 25% font color** to the chart title.
   • Apply the **Style 12 chart style**.

e. Create another chart on a new chart sheet:
   • Select the **range A4:A7**, press and hold **Ctrl**, and then select the **range G4:G7**—the models and the overall ratings.
   • Create a clustered bar chart.
   • Move the chart to its own sheet named **Overall Ratings**.

f. Make the following changes to the bar chart (see Figure 3.54):
   • Remove the legend.
   • Add the title **2012 Mid-Sized Car Overall Ratings** above the chart.
   • Apply the **Style 2 chart style**, if necessary.
   • Add data labels in the Outside End position, and then bold the data labels. Apply the **Fog gradient fill color** to the data labels.
   • Select the data series, and then apply a picture fill, searching for clip art of a blue automobile. Select the option to stack the images instead of stretching one image per data marker.