

## Practice: Exploring Data with a Local Data Filter

In this practice, you use a local data filter to explore the **Scrapped Parts** data. Remember that these are data about scrapped parts collected for 811 batches with at least one scrapped part over a three-month period. For each batch, data were collected about the number of pieces scrapped, the total value of the scrapped parts, the product line, and the product family.

1. Open the file **Scrapped Parts.jmp** from the course folder.
2. Use **Graph Builder** to create a bar chart for **Product Line**, where the heights of the bars represent the total value. Label the bars by the total value.
  - Drag **Product Line** to the **X** zone, drag **Total Value** to the **Y** zone, and change the **Summary Statistic** in the side panel to **Sum**. Then click the bar icon.
  - Select **Label by Value** from the **Label** menu in the side panel.

3. Which product line has the highest total value of scrapped parts? What is the total value of scrapped parts for this product line?

B2, \$122,294.

4. Select **Local Data Filter** from the red triangle, and then select **Product Family** as the filter variable. For the *Extra Large* parts, which is the biggest product line in terms of total value? **Hint:** Click **Extra Large** in the Local Data Filter panel. What is the total value?

B1, \$42,034.

5. Which **Product Family/Product Line** combination has the highest total value of scrapped parts? **Hint:** Click through the categories of **Product Family** in the Local Data Filter panel.

Large parts from product line B2, \$114,624.

Hide Solution

Close