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Practice: Stacking Data

The file **Metal Parts Split.jmp** contains data on thickness measurements for five consecutive parts sampled every hour for 10 hours. The measurements for each sample are stored in separate columns. You want to graph these data over time.

1. Stack the data so that the labels are in one column and the measurements are in another column. Use **Thickness** as the **Stacked Data Column** name and **Hour** as the **Stacked Label Column** name.

   Use **Tables** and then **Stack**. Select the 10 columns as **Stack Columns**.

2. How many rows are in the stacked data table?

   There are 50 rows (10 hours, and thickness measurements for five parts per hour).

3. How many columns are in the stacked data table?

   There are two columns, **Hour** and **Thickness**.

4. What do you need to do to reorganize the data in order of **Hour**?

   You need to sort the data by **Hour** in ascending order. To do this, first right-click the **Hour** column header, select **Column Info**, and change the data type to numeric. Then, right-click the column header for **Hour**, select **Sort** and then **Ascending**.

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