Practice Challenge: Creating and Applying a Custom Percentage Format

In this practice, you display a percent sign after the percentage values in the table created by the Summary Tables task.

Note: If you use the PERCENTw.d format, it multiplies data values by 100, and then adds a percent sign (%) to the end of the formatted value. The Summary Tables task already multiplied the values by 100 to compute the percent. Therefore, if you use the PERCENTw.d format to format the values, they are incorrect. Because you do not want the value multiplied by 100, you need to create a picture format. Use PROC FORMAT to add the percent sign to the value.

1. If you haven't already, complete the **Level 2: Using the Summary Tables Task practice**.

2. Open and run the **e105p06.sas** program from the **practices** folder. Review the log and verify that the format was output. Close the program.

   Note: This program creates a user-defined format named MYPCT that rounds values to the nearest tenth and adds a percent sign.

   - Select **File > Open**.
   - Navigate to the **practices** folder in the course file location.
   - Select **e105p06.sas** and click **Open**.
   - Submit the program.
   - Review the log and verify that the format was output.
   - Close the **e105p06.sas** tab.

3. Modify the **Warehouse Employee Stats** task that was created in the Level 2 practice.
   - Add the **ColPctSum** statistic to the right of the **Mean** statistic for both the **Job_Title** and **Total** columns.
   - Change all **ColPctSum** statistic headings to **Percent of Salaries**.
   - Apply the MYPCT format by modifying the data value properties for all percentage columns in the report.
     Hint: Look for the **User Defined** category in the Format window.

   - If the **Warehouse Employee Stats** tab is still open, click the **Modify Task** icon from the task toolbar. Otherwise, right-click the **Warehouse Employee Stats** task in the process flow or Project pane and select **Modify**.
   - Add the **ColPctSum** statistic to the right of the **Mean** statistic for both the **Job_Title** and **Total** columns.
     - Select **Summary Tables** in the selection pane.
     - Drag the **ColPctSum** statistic to the columns, dropping it *to the right of* the **Mean** statistic under **Job Title - Salary.**
     - Drag the **ColPctSum** statistic to the columns, dropping it *to the right* of the **Mean** statistic under **Total - Salary**.
   - Change all **ColPctSum** statistic headings to **Percent of Salaries**.
     - For each **ColPctSum** statistic, right-click **ColPctSum** and select **Heading Properties**.
       - In the Heading Properties for ColPctSum window, click the **General** tab, enter **Percent of Salaries** as the label, and click **OK**.
   - Apply the MYPCT format by modifying the data value properties for all percentage columns in the report.
     - For each **ColPctSum** statistic, right-click **ColPctSum** and select **Data Value Properties**.
       - In the Data Value Properties for ColPctSum window, click the **Format** tab.
       - Select **User Defined** in the Categories pane and **MYPCT**. in the Formats pane.
       - Click **OK**.

4. Run the task and review the results.

   Note: If necessary, double-click **HTML - Warehouse Employee Stats** in the Practices process flow to view the output.

   Click **Run** to run the task. A new tab appears in the work area, displaying the results.

5. Close all tabs except for the process flow and save the **Lesson5** project.

Hide Solution