Practice Level 1: Using the Bar Chart Wizard

The **employee_master** table includes salary information for employees. In this practice, you use the Bar Chart Wizard to create a three-dimensional horizontal bar chart for **Salary** by **Country**.

1. In the **Lesson3** project, select the **employee_master** table in the Project pane or process flow and use the Tasks pane to launch the Bar Chart Wizard.

   - In the **Lesson3** project, highlight the **employee_master** table in the Project pane or process flow.
   - If necessary, in the Tasks pane, select **SAS Tasks** to view all task categories.
   - Expand **Graph** and double-click **Bar Chart Wizard**. **Note**: Be careful to start the Bar Chart *Wizard*, not the task.

2. In Step 1 of the Bar Chart Wizard, modify the data to exclude the *US* (United States).

   - Apply a filter to the **employee_master** table by clicking **Edit**.
   - Select **Country** from the first drop-down list and **Not equal to** from the second drop-down list.
   - Next to the third box, click the ellipsis (**Value Selector**) to retrieve specific values from the data.
   - Select **US** and click **OK**.
   - No other filter condition is required. Click **OK**.
   - Click **Next**.

3. In Step 2 of the Bar Chart Wizard, create a horizontal bar chart that shows the sum of **Salary** for each country. Arrange the bars in descending height.

   - Select the **Horizontal bar chart** check box.
   - To create a separate bar for each country, select **Country** in the **Bars** drop-down list.
   - To order the bars in descending height or length, click the **Properties** icon. In the Properties window, select **Descending bar height** and click **OK**.
   - To set the height of the bars, select **Salary** from the **Bar length** drop-down list.
   - Click **Next**.

4. In Step 3 of the Bar Chart Wizard, change the following attributes:
    ○ Create a three-dimensional chart.
    ○ Color each bar differently.
    ○ Print data labels at the top of each bar with the sum of **Salary**.
    ○ Label the bar length (horizontal) axis as **Total Salary**.
    ○ Turn on reference lines.

    ○ Select the **3D chart** check box.
    ○ In the Color bars by drop-down list, select **Bar category** to color each bar differently.
    ○ Select the **Data labels** check box and select **Sum**.
    ○ Click **Axis Labels**, enter **Total Salary** as the Bar length label, and click **OK**.
    ○ Select the **Use reference lines** check box.
    ○ Click **Next**.

5. In Step 4 of the Bar Chart Wizard, use **Total Salary for Each Country** as the graph title and **Excludes the United States** as the footnote.

    ○ Enter **Total Salary for Each Country** in the **Graph** text box.
    ○ Enter **Excludes the United States** in the **Footnote** text box.

6. Run the task. What is the total of annual salaries in Germany (*DE*)?

    Click **Finish**. The results appear on a new tab in the work area. The total of annual salaries in Germany (*DE*) is *$3,867,800*.

7. Close all tabs except for the process flow, and save the **Lesson3** project.

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