

Practice Level 2: Using the Pie Chart Task

The **employee_master** table includes salary information for employees. In this practice, you use the Pie Chart task to create a pie chart for **Salary** by **Department**.

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 **Pie Chart**.

2. Use the Pie Chart task to generate a simple pie chart where the slices represent the sum of **Salary** for each **Department**.

- Exclude the Sales Department from the report.
 - Use a layout that shows the department name and salary total outside each slice, and the percentage of total salary on the inside of each slice.
 - Change the title to **Total Salary by Department** and the footnote to **Figures exclude the Sales Department**.
 - Change the task label to **Dept Salaries Pie/No Sales**.
 - Create the graph in PDF as well as in HTML format.
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- Verify that **Simple Pie** is selected as the type of chart to create.
 - Select **Data** in the selection pane.
 - Drag **Department** to the **Column to chart** role and **Salary** to the **Sum of** role.
 - Exclude the Sales Department from the report.
 - Apply a filter to the **employee_master** table by clicking **Edit**.
 - Select **Department** 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 **Sales** and click **OK**.
 - No other filter condition is required. Click **OK**.
 - Use a layout that shows the department name and salary total outside each slice, and the percentage of total salary on the inside of each slice.
 - Select **Layout** in the selection pane.
 - Verify that the name and statistic value will be displayed outside of each slice.
 - Select **Inside** to have the percentage be displayed inside each slice.

- Change the title to **Total Salary by Department** and the footnote to **Figures exclude the Sales Department**.
 - Select **Titles** in the selection pane.
 - For the graph title, clear the **Use default text** check box and enter **Total Salary by Department**.
 - Select **Footnote** in the Section pane, clear the **Use default text** check box, and enter **Figures exclude the Sales Department**.
- Change the task label to **Dept Salaries Pie/No Sales**.
 - Select **Properties** in the selection pane and click **Edit**.
 - In the General panel, change the task label to **Dept Salaries Pie/No Sales**.
- Create the graph in PDF as well as in HTML format.
 - Select **Results** in the selection pane of the Properties window.
 - Select **Customize result formats, styles, and behavior**. Verify that HTML is selected, and select the **PDF** check box to create those result formats.
 - Click **OK**.

3. Run the task. What percentage of total salaries does the Engineering Department account for?

Click **Run** to generate the report. A separate tab appears, displaying the task results. The Engineering Department accounts for **5.51%**.

4. If you are completing the **Challenge Practice: Isolating a Slice in a Pie Chart**, leave the **Dept Salaries Pie/No Sales** tab open. If not, close all tabs except for the process flow, and save the **Lesson3** project.

Hide Solution