

a. Load the provided dataset into Power BI:

- Open Power BI Desktop.
- Click on 'Home' > 'Get Data' > 'Excel' to load the dataset from the Excel file.
- Select the file and choose the appropriate sheets (Orders, People, Returns).

b. Create a scatter plot or a line chart to visualize the relationship between "Sales" and "Profit":

- Drag the "Sales" column onto the values axis and "Profit" onto the axis.
- Choose the visualization type (scatter plot or line chart) from the visualization pane.

c. Create a summary table:

- Drag "Category" and "Sub-Category" into the rows section.
- Drag "Sales", "Profit", and "Discount" into the values section and set the summarization method as needed (e.g., sum for total sales and profit, average for discount).

Task 2: a. Create a pie chart or donut chart:

- Drag the "Segment" column into the values section and choose the appropriate chart type.

b. Design a bar chart:

- Drag "Segment" into the axis and "Sales" into the values section, choose the bar chart visualization.

c. Calculate and visualize average "Discount" and "Profit":

- Drag "Segment" into the axis and "Discount" and "Profit" into the values section, setting summarization method as average.

Task 3: a. Merge the "People" and "Orders" tables:

- Go to 'Home' > 'Manage Relationships' and create a relationship between the "Region" column in both tables.

b. Create a table or chart:

- Drag "Person" and "Region" into the rows, and "Sales" and "Profit" into the values section, setting summarization method as needed.

c. Design a slicer:

- Drag the "Person" column into the slicer visual to allow users to filter orders by specific individuals.

Task 4: a. Create a stacked column chart:

- Drag "Category" into the axis and "Order ID" into the values section. Then use the "Returns" table to differentiate between returned and non-returned orders.

b. Create a line chart:

- Drag "Order Date" into the axis and count of "Return ID" into the values section.

c. Provide insights:

- Analyze the return rates for different categories or sub-categories by comparing the count of returned orders with total orders.

Once you have created the visualizations for each task, you can arrange them on separate pages within Power BI and export the report as a PDF.