

Course: Power BI

Module 2 Assignment

Dataset: [Sales_Data](#)

You have three tables: Customer, Product, and Sales.

Task 1:

- Round the 'Price' column in the Product dataset to the nearest integer for simplicity.
- Split the 'Customer' column in the Customer table into two columns: 'FirstName' and 'LastName'.

Task 2:

- Convert all entries in the 'Category' column in the Product table to uppercase.
- Replace all occurrences of 'unemployment' with 'Unemployed' in the 'Profession' column of the Customer table.

Task 3:

- Ensure all columns in the datasets have appropriate data types, e.g., 'Date' column as Date type, 'Price' as Decimal type.
- Identify and replace any inconsistent values in the 'Size' column of the Product dataset to ensure uniformity (e.g., replace "medium" with "Medium").

Task 4:

- Create relationships between the tables using 'CustomerID' and 'ProductID' as keys.
- Clean the data by removing any duplicate entries in the Customer and Product tables.

Task 5:

- Create a stacked column chart showing the total sales (TotalPrice) for each product category. And use the Format Pane to adjust the appearance of the stacked column chart. Change colors, and modify the title.
- Add data labels to the stacked column chart to show the exact sales amounts.
- Create a pie chart showing the distribution of sales among different product categories.