Power Query Assignment-6B

Guidelines to be followed

Power BI Assignment Guidelines for Students

Instructions

- Download the dataset from the given link and solve the following questions based on it-

  Samplesuperstore

- Load the data into PowerBI and perform the following Visualisation operations
- “use the first row as headers” in case fields of the dataset are in the first row in power query transformation.
- Each exercise will have a task description and a hint to guide you in completing the transformation.
- Make sure to read the dataset and field descriptions carefully to understand the context and requirements.

Solve the following questions -

1.Calculate the total sales amount.

Hint: Use the SUM function on the Sales column.

Answer: Total Sales = SUM([Sales])

2.Calculate the total profit amount.

Hint: Use the SUM function on the Profit column.
Answer: Total Profit = SUM([Profit])

3. Calculate the average sales per order.
Hint: Use the AVERAGE function on the Sales column.
Answer: Average Sales per Order =
AVERAGE([Sales]) 4.Calculate the maximum discount
applied.
Hint: Use the MAX function on the Discount
column. Answer: Maximum Discount =
MAX([Discount])

5.Calculate the minimum profit for all orders.
Hint: Use the MIN function on the "Profit" column.
Answer: Minimum Profit = MIN([Profit])

6. Calculate the total profit margin percentage.
Hint: Divide the sum of profits by the sum of sales and multiply by 100.
Answer: Profit Margin % = (SUM([Profit]) / SUM([Sales])) * 100

7.Calculate the range of profits.
Hint: Subtract the minimum profit from the maximum
profit. Answer: Profit Range = MAX([Profit]) - MIN([Profit])

8.Calculate the coefficient of variation for quantity. Hint: Divide the standard deviation of quantity by the average quantity and multiply by 100.
Answer: Quantity Coefficient of Variation = (STDEV.P([Quantity]) / AVERAGE([Quantity])) * 100