Power BI Assignment 2 – DAX & Data Visualization

Calculated Columns

Create a Calculated Column for 'Category Type

Calculate Revenue per Order in Order Details Table

Create a Calculated Column to Categorize Sales

Table: Order Details (1,500 rows) Column: Sales category (2 distinct values)

Calculated Measures

Calculate Order Count:Average Profit in Delhi, Year-to-Date (YTD) Sales:
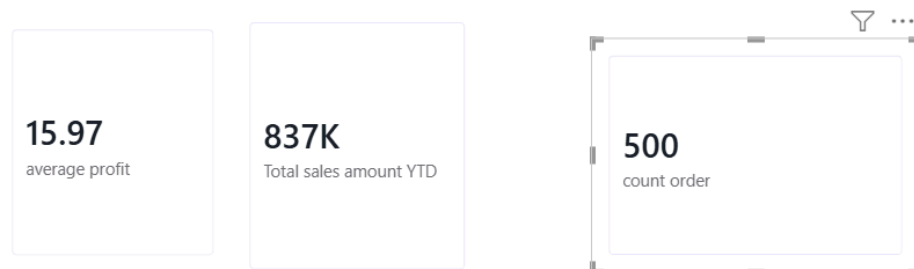
Data Visualization

Sales Target Achievement by Category: Compare actual sales with sales targets by category using a clustered column chart
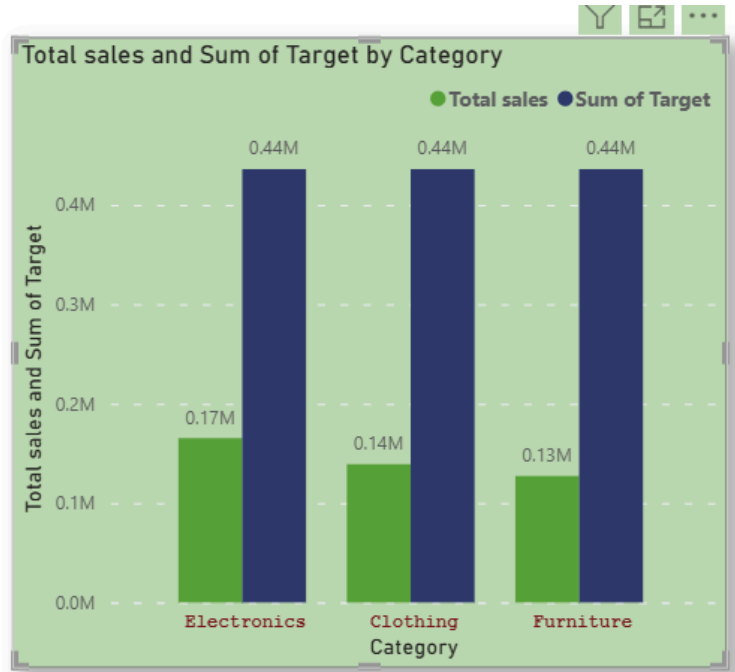
Max Profit Margin by Sub-Category: Analyze the maximum profit margin for each sub-category of products using a donut chart.
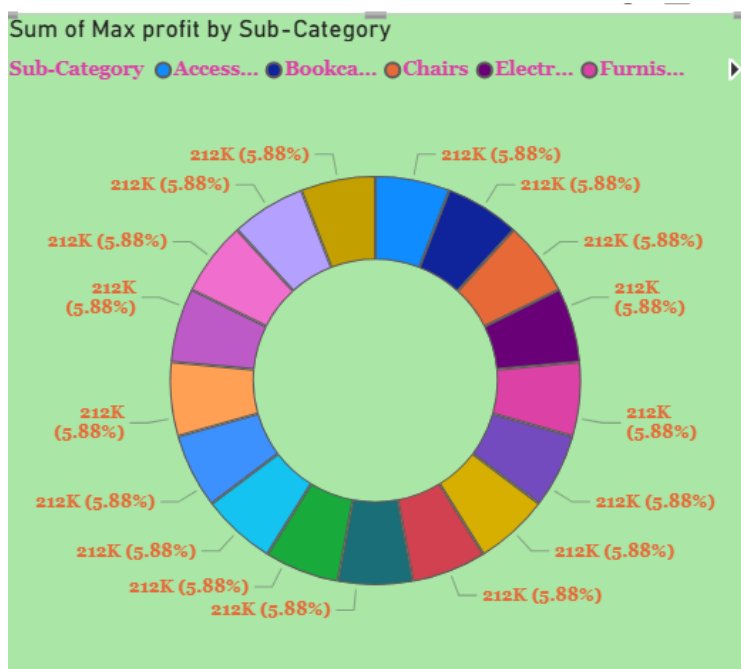
Monthly Sales Trend: Show the trend of monthly sales over time using a line chart

Sum of Target by Month of Order Date
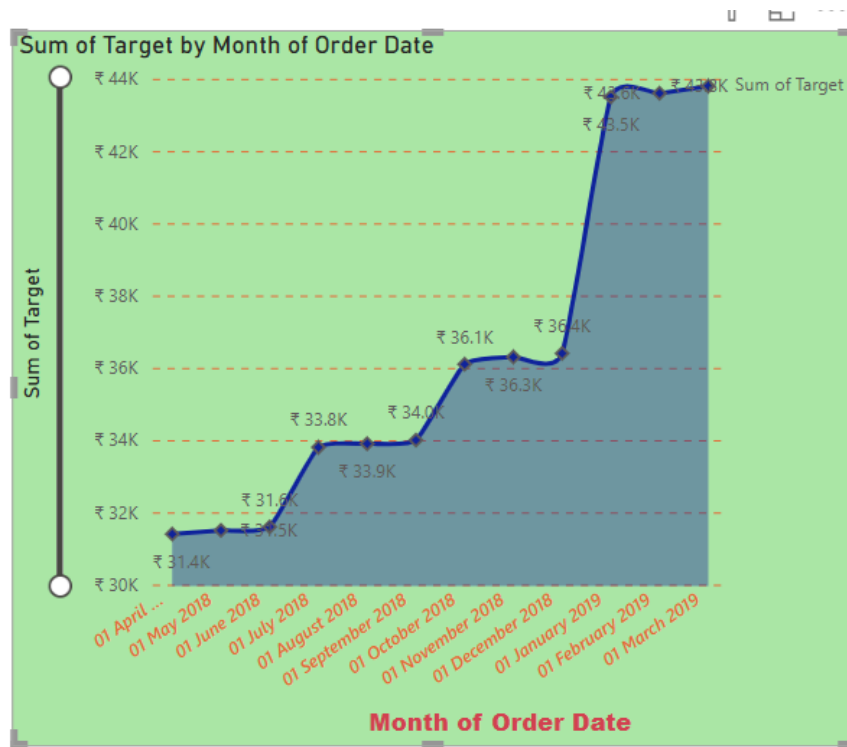
Comparison of Profit and Quantity by Sub-Category: Compare the relationship between profit and quantity sold for different sub-categories using a scatter chart.

Sum of Profit and Sum of Quantity by Sub-Category and Profit status
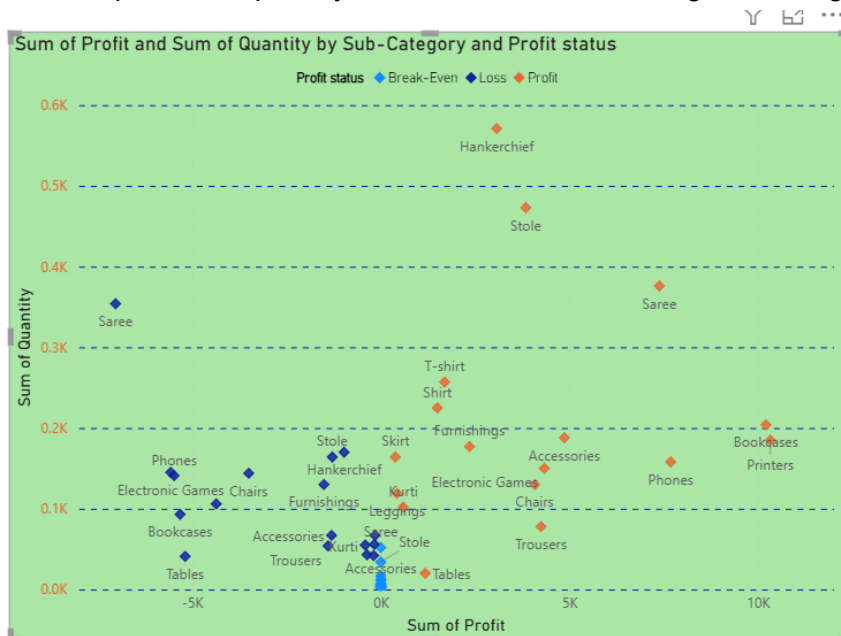
Sales Performance Matrix: Build a matrix view to analyze how actual sales compare to sales targets across different categories and months.

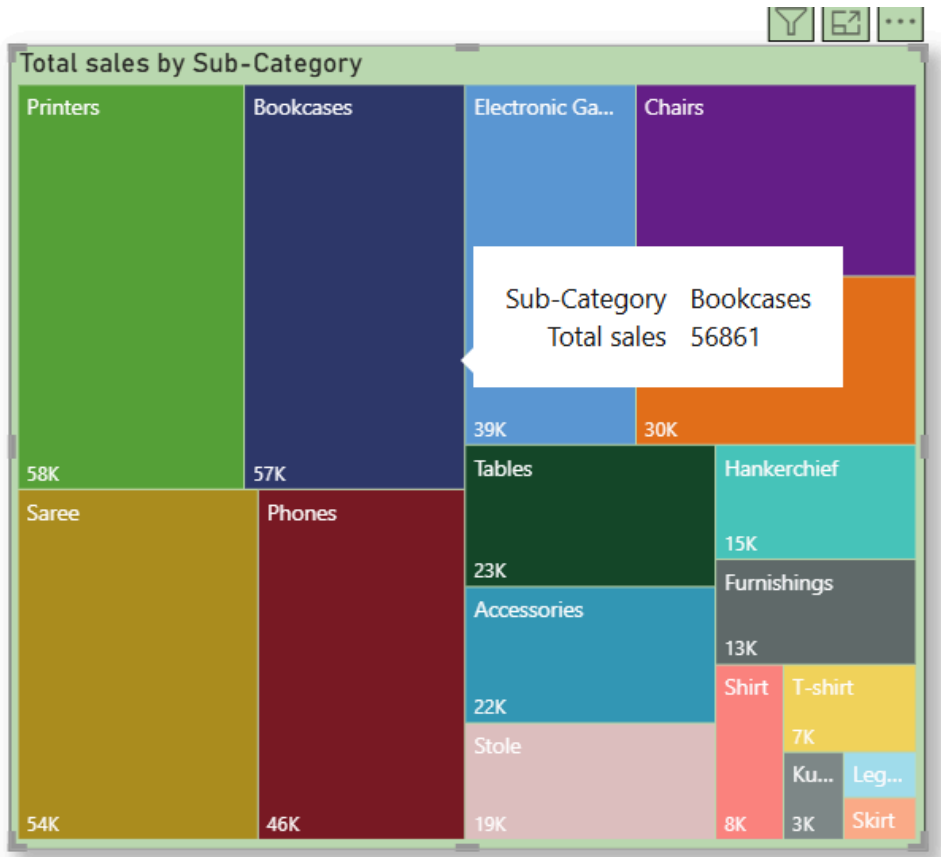| Sub-Category	1	2	3	4	5	6	7	8	9	10	11	12	13	14	Total
Total	435900	435900	435900	435900	435900	435900	435900	435900	435900	435900	435900	435900	435900	435900	435900
⊞ Accessories	435900	435900	435900	435900	435900	435900	435900	435900	435900		435900				435900
⊞ Bookcases	435900	435900	435900	435900	435900		435900	435900	435900	435900			435900		435900
⊞ Chairs	435900	435900	435900	435900	435900	435900	435900	435900	435900			435900		435900	435900
⊞ Electronic Games	435900	435900	435900	435900	435900	435900	435900	435900	435900		435900				435900
⊞ Furnishings	435900	435900	435900	435900	435900	435900	435900	435900	435900	435900	435900				435900
⊞ Hankerchief	435900	435900	435900	435900	435900	435900	435900	435900	435900	435900			435900		435900
⊞ Kurti	435900	435900	435900	435900	435900	435900	435900								435900
⊞ Leggings	435900	435900	435900	435900	435900	435900	435900	435900							435900
⊞ Phones	435900	435900	435900	435900	435900	435900	435900	435900	435900		435900				435900
⊞ Printers	435900	435900	435900	435900	435900	435900	435900	435900	435900				435900		435900
⊞ Saree	435900	435900	435900	435900	435900	435900	435900	435900	435900		435900				435900
⊞ Shirt	435900	435900	435900	435900	435900	435900	435900		435900		435900			435900	435900
⊞ Skirt	435900	435900	435900	435900	435900	435900	435900	435900	435900			435900			435900
⊞ Stole	435900	435900	435900	435900	435900	435900	435900	435900	435900			435900			435900
⊞ Tables		435900	435900	435900	435900	435900									435900

Sales Distribution by Sub-Category: Represent the sales distribution across different sub-categories using a treemap.

Total sales by Sub-Category

Printers 58K	Bookcases 57K	Electronic Ga... 39K	Chairs 30K
Saree 54K	Phones 46K	Tables 23K / Accessories 22K / Stole 19K	Hankerchief 15K / Furnishings 13K / Shirt 8K / T-shirt 7K / Ku... / Leg... 3K / Skirt

Sub-Category Bookcases
Total sales   56861

Order Count Analysis by State: Create a funnel chart to visualize the distribution of order
counts across different states

count order by State