

Power BI - Assignment 2 DAX, Data, Visualization

Calculated Columns:

The screenshot shows the Power BI Data Transformation & modeling interface. The ribbon at the top has 'Table tools' selected. In the 'Column tools' tab, there is a formula bar: `1 Sales Category = if("Order Details'[Amount]<=100,"Below Average","Above Average")`. The main area displays a table of 'Order Details' data with columns: Order ID, Amount, Profit, Quantity, Category, Sub-Category, Profit Margin, Profit Status, Category Type, Revenue, and Sales Category. The Sales Category column contains values like 'Below Average' or 'Above Average' based on the condition in the formula. The Power BI Data Model pane on the right shows the relationships between tables like 'List of Orders', 'Merge1', 'Order Details', and various measures.

2.Calculate Measure:

The screenshot shows the Power BI Data Transformation & modeling interface. The ribbon at the top has 'Table tools' selected. In the 'Measure tools' tab, there is a formula bar: `1 Measure = COUNT(*'List of Orders'[Order ID])`. The main area displays the same 'Order Details' table as the previous screenshot. The Power BI Data Model pane on the right shows the relationships between tables and the newly created measure 'Measure'.

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File Home Help Table tools Measure tools

Name: year to date sales Format: Whole number Data category: Uncategorized

Home table: Order Details \$: % 0.00 0

Structure Formatting Properties Calculations

1 year to date sales = CALCULATE(SUM('Order Details'[Revenue]),DATESYTD('List of Orders'[Date].[Day]))

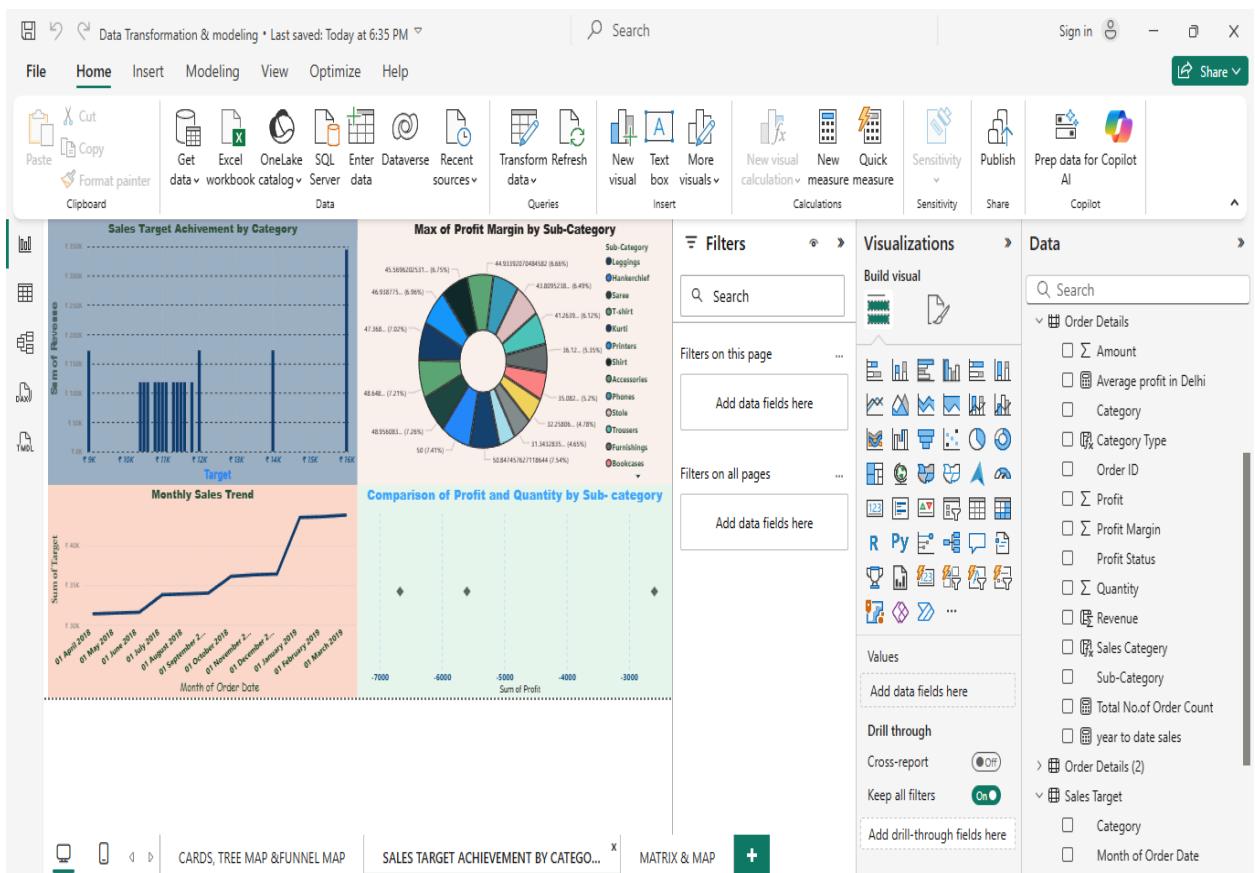
Order ID **Amount** **Profit** **Quantity** **Category** **Sub-Category** **Profit Margin** **Profit Status** **Category Type** **Revenue** **Sales Category**

B-25740	₹ 40	-37	3	Clothing	Stole	-9.25	Loss	Clothing-Stole	₹ 120	Below Average
B-25738	₹ 72	-6	3	Clothing	Saree	-8.33333333333333	Loss	Clothing-Saree	₹ 216	Below Average
B-25737	₹ 187	-15	3	Clothing	Trousers	-8.0213903743155	Loss	Clothing-Trousers	₹ 561	Above Average
B-25736	₹ 31	-7	5	Clothing	Skirt	-22.5806451612905	Loss	Clothing-Skirt	₹ 155	Below Average
B-25735	₹ 15	-7	1	Clothing	Hankerchief	-46.66666666666667	Loss	Clothing-Hankerchief	₹ 15	Below Average
B-25735	₹ 7	-1	2	Clothing	Skirt	-14.2857142857143	Loss	Clothing-Skirt	₹ 14	Below Average
B-25735	₹ 12	-2	3	Clothing	Hankerchief	-16.66666666666667	Loss	Clothing-Hankerchief	₹ 36	Below Average
B-25733	₹ 23	-6	4	Clothing	Hankerchief	-26.089565217391	Loss	Clothing-Hankerchief	₹ 92	Below Average
B-25733	₹ 30	-10	2	Clothing	Stole	-33.33333333333333	Loss	Clothing-Stole	₹ 60	Below Average
B-25733	₹ 43	-43	7	Clothing	Stole	-100	Loss	Clothing-Stole	₹ 301	Below Average
B-25732	₹ 16	-5	2	Clothing	Stole	-31.25	Loss	Clothing-Stole	₹ 32	Below Average
B-25728	₹ 322	-113	4	Clothing	Saree	-35.091677018634	Loss	Clothing-Saree	₹ 1,288	Above Average
B-25727	₹ 57	-48	6	Clothing	Leggings	-84.2105263157895	Loss	Clothing-Leggings	₹ 342	Below Average
B-25725	₹ 26	-5	2	Clothing	Stole	-19.2307692307692	Loss	Clothing-Stole	₹ 52	Below Average
B-25725	₹ 23	-5	7	Clothing	Hankerchief	-21.739130437826	Loss	Clothing-Hankerchief	₹ 161	Below Average
B-25723	₹ 26	-24	1	Clothing	Stole	-92.3076923076923	Loss	Clothing-Stole	₹ 26	Below Average
B-25723	₹ 12	-7	2	Clothing	Leggings	-58.33333333333333	Loss	Clothing-Leggings	₹ 24	Below Average
B-25723	₹ 16	-12	2	Clothing	Stole	-75	Loss	Clothing-Stole	₹ 32	Below Average
B-25722	₹ 48	-8	8	Clothing	Stole	-16.66666666666667	Loss	Clothing-Stole	₹ 384	Below Average
B-25721	₹ 29	-18	7	Clothing	Skirt	-62.089655172414	Loss	Clothing-Skirt	₹ 203	Below Average
B-25717	₹ 138	-3	5	Clothing	Saree	-2.1739130437826	Loss	Clothing-Saree	₹ 690	Above Average
B-25714	₹ 11	-5	2	Clothing	Hankerchief	-45.4545454545455	Loss	Clothing-Hankerchief	₹ 22	Below Average
R-25711	₹ 100	-58	4	Clothing	Hankerchief	-58	Loss	Clothing-Hankerchief	₹ 400	Below Average

Table: Order Details (393 rows) Column: year to date sales (0 distinct values)

Update available (click to download)

Data Visualization



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Sales Performance Matrix

Category	Region	Amount
Electronics	North America	€ 4,174,000
Electronics	Europe	€ 4,174,000
Electronics	Australia	€ 4,174,000
Electronics	Asia	€ 4,174,000
Electronics	Middle East	€ 4,174,000
Electronics	South America	€ 4,174,000
Electronics	Africa	€ 4,174,000
Electronics	Total	€ 4,174,000
Furniture	North America	€ 4,174,000
Furniture	Europe	€ 4,174,000
Furniture	Australia	€ 4,174,000
Furniture	Asia	€ 4,174,000
Furniture	Middle East	€ 4,174,000
Furniture	South America	€ 4,174,000
Furniture	Africa	€ 4,174,000
Furniture	Total	€ 4,174,000
Clothing	North America	€ 4,174,000
Clothing	Europe	€ 4,174,000
Clothing	Australia	€ 4,174,000
Clothing	Asia	€ 4,174,000
Clothing	Middle East	€ 4,174,000
Clothing	South America	€ 4,174,000
Clothing	Africa	€ 4,174,000
Clothing	Total	€ 4,174,000
Total	North America	€ 12,86,900
Total	Europe	€ 12,86,900
Total	Australia	€ 12,86,900
Total	Asia	€ 12,86,900
Total	Middle East	€ 12,86,900
Total	South America	€ 12,86,900
Total	Africa	€ 12,86,900
Total	Total	€ 12,86,900

Geographic Sales Analysis

Filters

Visualizations

Data

Search: Order Details

- Amount
- Average profit in Delhi
- Category
- Category Type
- Order ID
- Profit
- Profit Margin
- Profit Status
- Quantity
- Revenue
- Sales Category
- Sub-Category
- Total No.of Order Count
- year to date sales

Order Details (2)

Sales Target

Category

Month of Order Date

Amount is (All)

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Sales Distribution by Sub_Category

Order Count Analysis by State

Filters

Visualizations

Data

Search: Order Details

- Amount
- Average profit in Delhi
- Category
- Category Type
- Order ID
- Profit
- Profit Margin
- Profit Status
- Quantity
- Revenue
- Sales Category
- Sub-Category
- Total No.of Order Count
- year to date sales

Order Details (2)

Sales Target

Category

Month of Order Date

Amount is (All)

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Relationship:

