

# Power BI - Assignment 2 DAX, Data, Visualization

## Calculated Columns:

Data Transformation & modeling • Last saved: Today at 10:58 AM

File Home Help Table tools Column tools

Name Sales Category Format Text Summarization Don't summarize Data type Text Data category Uncategorized

Structure Formatting Properties Sort by column Sort Data groups Groups Manage relationships Relationships New column Calculations

1 Sales Category = if('Order Details'[Amount]<=100,"Below Average","Above Average")

Order ID	Amount	Profit	Quantity	Category	Sub-Category	Profit Margin	Profit Status	Category Type	Revenue	Sales Category
B-25740	₹ 40	-37	3	Clothing	Stole	-92.5	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	-8.02139037433155	Loss	Clothing-Trousers	₹ 561	Above Average
B-25736	₹ 31	-7	5	Clothing	Skirt	-22.5806451612903	Loss	Clothing-Skirt	₹ 155	Below Average
B-25735	₹ 15	-7	1	Clothing	Hankerchief	-46.6666666666667	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	-16.6666666666667	Loss	Clothing-Hankerchief	₹ 36	Below Average
B-25733	₹ 23	-6	4	Clothing	Hankerchief	-26.0869565217391	Loss	Clothing-Hankerchief	₹ 92	Below Average
B-25733	₹ 30	-10	2	Clothing	Stole	-33.3333333333333	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	-35.0931677018634	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	-21.7391304347826	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	-58.3333333333333	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	-16.6666666666667	Loss	Clothing-Stole	₹ 384	Below Average
B-25721	₹ 29	-18	7	Clothing	Skirt	-62.0689655172414	Loss	Clothing-Skirt	₹ 203	Below Average
B-25717	₹ 138	-3	5	Clothing	Saree	-2.17391304347826	Loss	Clothing-Saree	₹ 690	Above Average
B-25714	₹ 11	-5	2	Clothing	Hankerchief	-45.4545454545455	Loss	Clothing-Hankerchief	₹ 22	Below Average
B-25711	₹ 100	-58	4	Clothing	Hankerchief	-58	Loss	Clothing-Hankerchief	₹ 400	Below Average

Table: Order Details (393 rows) Column: Sales Category (2 distinct values)

Update available (click to download)

## 2.Calculate Measure:

Data Transformation & modeling • Last saved: Today at 11:12 AM

File Home Help Table tools Measure tools

Name Measure Format Whole number Data category Uncategorized

Home table Order Details

Structure Formatting Properties New measure measure Quick measure measure

1 Measure = COUNT('List of Orders'[Order ID])

Order ID	Amount	Profit	Quantity	Category	Sub-Category	Profit Margin	Profit Status	Category Type	Revenue	Sales Category
B-25740	₹ 40	-37	3	Clothing	Stole	-92.5	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	-8.02139037433155	Loss	Clothing-Trousers	₹ 561	Above Average
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B-25711	₹ 100	-58	4	Clothing	Hankerchief	-58	Loss	Clothing-Hankerchief	₹ 400	Below Average

Table: Order Details (393 rows) Column: Measure (0 distinct values)

Update available (click to download)

Data Transformation & modeling • Last saved: Today at 6:35 PM

File Home Help **Table tools** Measure tools

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

Home table: Order Details

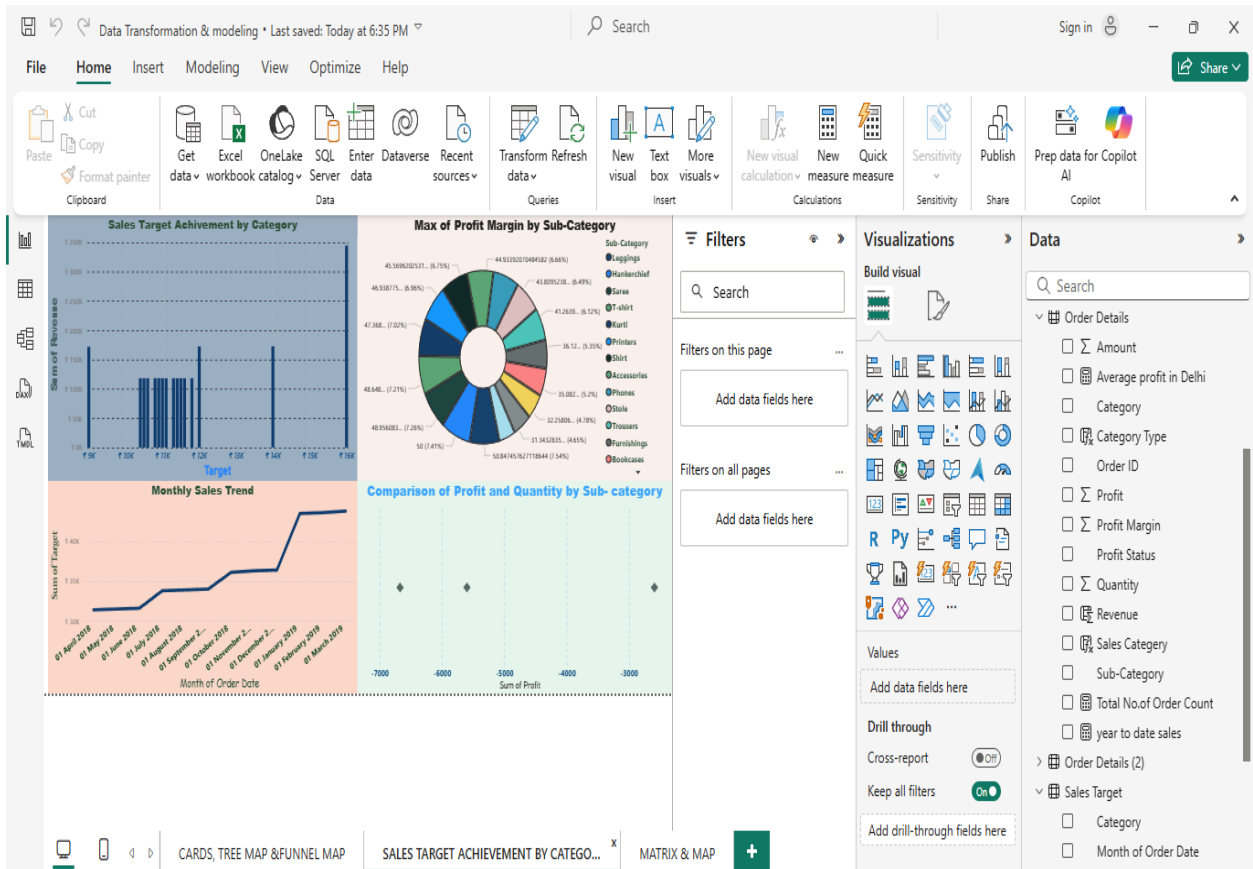
Structure: 1 year to date sales = CALCULATE(SUM('Order Details'[Revenue]),DATESYTD('List of Orders'[Date],[Day]))

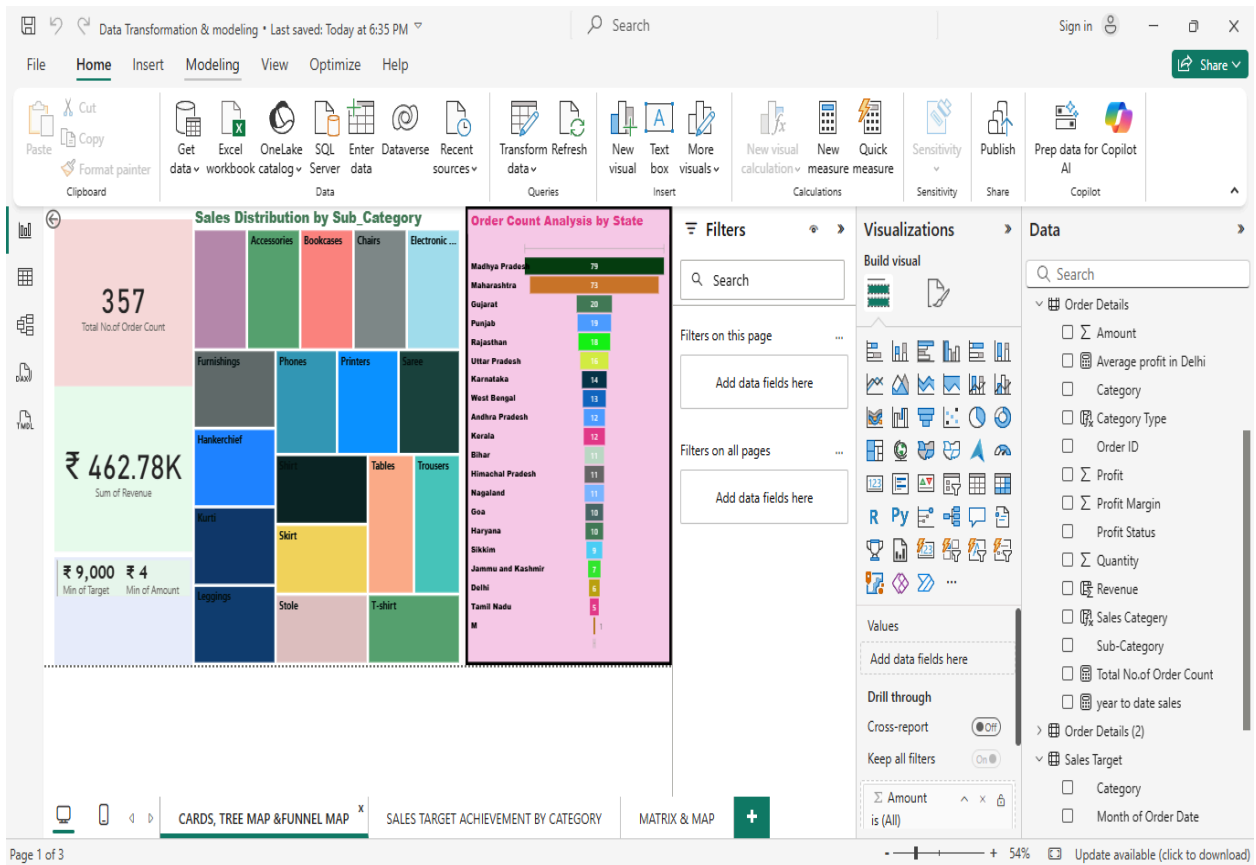
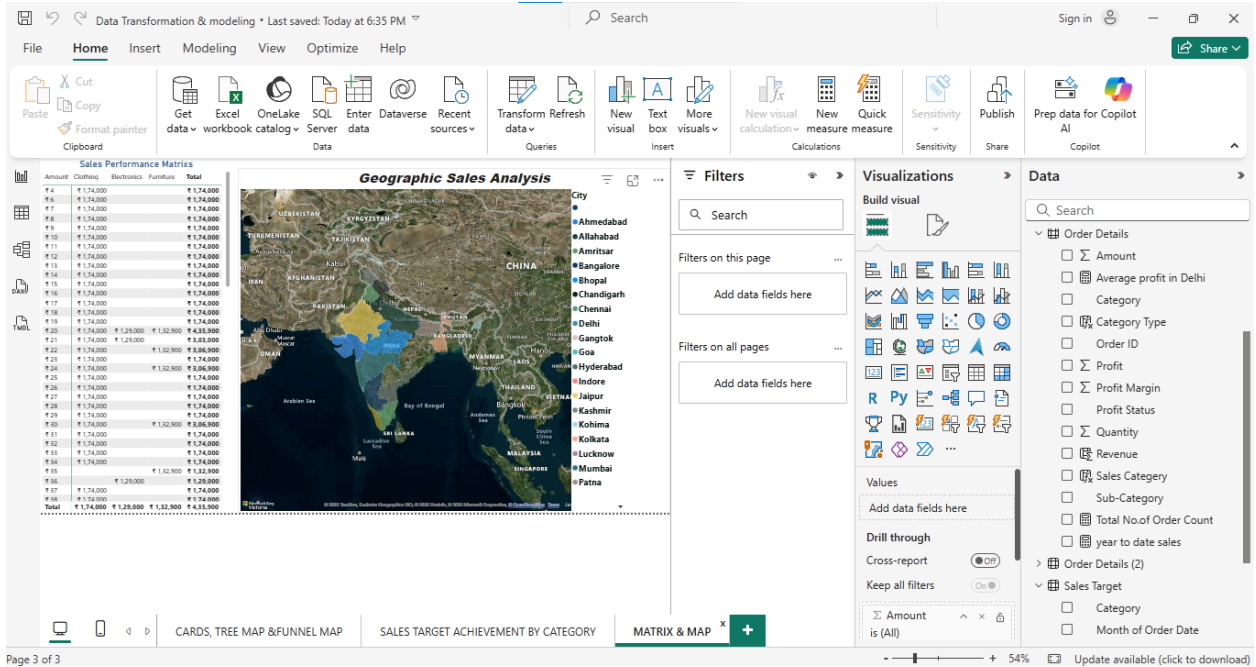
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Table: Order Details (393 rows) Column: year to date sales (0 distinct values)

Update available (click to download)

## Data Visualization





# Relationship:

The screenshot displays the Microsoft Power BI Desktop interface. The top ribbon includes the 'Home' tab, which contains various tools for data transformation and modeling. The main workspace shows a data model with several tables and their relationships. The tables are:

- List of Orders**: Fields include Location, Order ID, and State.
- Order Details**: Fields include Order ID, Profit, and Category.
- Sales Target**: Fields include Category, Month of Order Date, and Target.
- Order Details (2)**: Fields include Average Profit by Category, Count of Order ID, and Order ID.
- Merge1**: Fields include City, Custom, and CustomerName.
- Sales Target (2)**: Fields include Month of Order Date, Month of Order Date.1, and Total target.

Relationships are shown as lines connecting the tables. The 'List of Orders' table is connected to 'Order Details' and 'Order Details (2)'. 'Order Details' is connected to 'Sales Target'. 'Order Details (2)' is connected to 'Merge1'. 'Merge1' is connected to 'Sales Target (2)'. The 'Sales Target' table is also connected to 'Sales Target (2)'. The 'Sales Target (2)' table is connected to 'Merge1'.

The right-hand pane shows the 'Properties' and 'Data' tabs. The 'Data' tab is active, showing a list of tables and measures. The 'Measures' section lists four measures: 'Average profit in Delhi', 'Total No. of Order Count', 'Total sales amou...', and 'year to date sales'. The 'Relationships' section lists five relationships: 'Merge1[Order ID] — List ...', 'Order Details (2)[Order ID]...', and three others.

