

## Calculated Column

1. Category and Sub Category into single Column called 'CATEGORY TYPE'.

Order ID	Amount	Profit	Quantity	Revenue	Category Type
B-25602	168	-111	2	336	Electronics,Phones
B-25603	12	1	2	24	Clothing,Hankerchief
B-25604	65	17	2	130	Clothing,T-shirt
B-25606	87	4	2	174	Clothing,Shirt
B-25610	30	-5	2	60	Furniture,Furnishings
B-25611	160	-59	2	320	Clothing,Saree
B-25612	259	-55	2	518	Furniture,Chairs
B-25614	98	-12	2	196	Electronics,Electronic Games
B-25618	12	0	2	24	Clothing,Hankerchief
B-25623	105	20	2	210	Clothing,Stole
B-25625	97	29	2	194	Clothing,Hankerchief
B-25628	35	-8	2	70	Furniture,Furnishings
B-25630	143	-129	2	286	Electronics,Phones
B-25630	42	-26	2	84	Clothing,Kurti
B-25631	89	-89	2	178	Furniture,Furnishings
B-25632	19	-2	2	38	Clothing,Leggings
B-25633	496	-79	2	992	Clothing,Trousers
B-25635	23	2	2	46	Clothing,Skirt
B-25640	68	-62	2	136	Clothing,Trousers
B-25643	50	-44	2	100	Clothing,Hankerchief
B-25643	263	-63	2	526	Electronics,Electronic Games

## 2. Revenue Per Order.

Structure      Formatting      Properties

**DAX:** 1 Revenue = 'Order Details (4)'[Amount] \* 'Order Details (4)'[Quantity]

Order ID	Amount	Profit	Quantity	Category	Sub-Category	Revenue
B-25602	561	212	3	Clothing	Saree	1683
B-25602	119	-5	8	Clothing	Saree	952
B-25603	193	-166	3	Clothing	Saree	579
B-25604	157	5	9	Clothing	Saree	1413
B-25605	75	0	7	Clothing	Saree	525
B-25609	25	-5	4	Clothing	Saree	100
B-25610	43	0	3	Clothing	Saree	129
B-25611	160	-59	2	Clothing	Saree	320
B-25613	1603	0	9	Clothing	Saree	14427
B-25619	353	90	8	Clothing	Saree	2824
B-25622	534	0	3	Clothing	Saree	1602
B-25623	149	-87	4	Clothing	Saree	596
B-25625	635	-349	5	Clothing	Saree	3175
B-25628	24	-9	4	Clothing	Saree	96
B-25633	711	-8	4	Clothing	Saree	2844
B-25635	382	30	3	Clothing	Saree	1146
B-25636	637	113	5	Clothing	Saree	3185
B-25640	122	-47	4	Clothing	Saree	488
B-25646	20	-8	2	Clothing	Saree	40
B-25647	42	-6	4	Clothing	Saree	168
B-25648	55	-26	4	Clothing	Saree	220

Table: Order Details (4) (1,500 rows) Column: Revenue (845 distinct values)

### 3. Categories Amount as Below Average and Above Average.

Information

Table Convert Transform

Queries [3] < X ✓ fx = List.Average(#"Category Type"[Amount])

List of Orders (2) 287.668

**Order Details (4)**

Sales target (2)

	Amount	Profit	Quantity	Category	Sub-Category	Sales Category
1	1275	-1148		7 Furniture	Bookcases	Above Average
1	8	-2		3 Clothing	Hankerchief	Below Average
1	66	-12		5 Clothing	Stole	Below Average
1	80	-56		4 Electronics	Electronic Games	Below Average
2	2617	1151		4 Electronics	Phones	Above Average
2	119	-5		8 Clothing	Saree	Below Average
2	561	212		3 Clothing	Saree	Above Average
2	168	-111		2 Electronics	Phones	Below Average
2	424	-272		5 Electronics	Phones	Above Average
3	180	5		3 Clothing	Trousers	Below Average
3	193	-166		3 Clothing	Saree	Below Average
3	12	1		2 Clothing	Hankerchief	Below Average
3	116	16		4 Clothing	Stole	Below Average
3	107	36		6 Clothing	Stole	Below Average
3	1355	-60		5 Clothing	Trousers	Above Average
3	38	18		1 Clothing	Kurti	Below Average
3	24	-30		1 Furniture	Chairs	Below Average
4	157	5		9 Clothing	Saree	Below Average
4	65	17		2 Clothing	T-shirt	Below Average
5	75	0		7 Clothing	Saree	Below Average
5	87	4		2 Clothing	Shirt	Below Average

## Calculated Measures

### 1. Total Number of Orders

measure measure  
Structure Formatting Properties Calculations

X ✓ 1 Total\_Order=COUNTROWS('Order Details')

Build visuals with your data  
Select or drag fields from the Data pane onto the report canvas.

1500  
Total\_Orders

Filters

Search

Filters on this page

Add data fields here

Filters on all pages

Add data fields here

The screenshot shows the Power BI interface with a calculated measure named 'Total\_Order' defined as COUNTROWS('Order Details'). The measure is highlighted with a green checkmark. Below it, a large number '1500' is displayed under the field name 'Total\_Orders'. To the right, there are sections for 'Filters' and 'Add data fields here'.

## 2. Average Profit in Delhi

ist of Orders      \$ ~ % , .<sup>00</sup>      Auto      ^

New Quick  
measure measure

Structure      Formatting      Properties      Calculations

```
1 Average_Profit_Delhi = CALCULATE(AVERAGE('Order Details'[Profit]),'List of Orders'[State]="Delhi")
```

Search

Filters on this page

Add data fields h

Filters on all pages

Add data fields h

Build visuals with your data

Select or drag fields from the Data pane onto the report canvas.

40.36

Average\_profit\_Delhi

**3. Calculate Year-to-Date (YTD) Sales:** Define a measure to calculate the total sales amount accumulated from the earliest order date up to each order date.

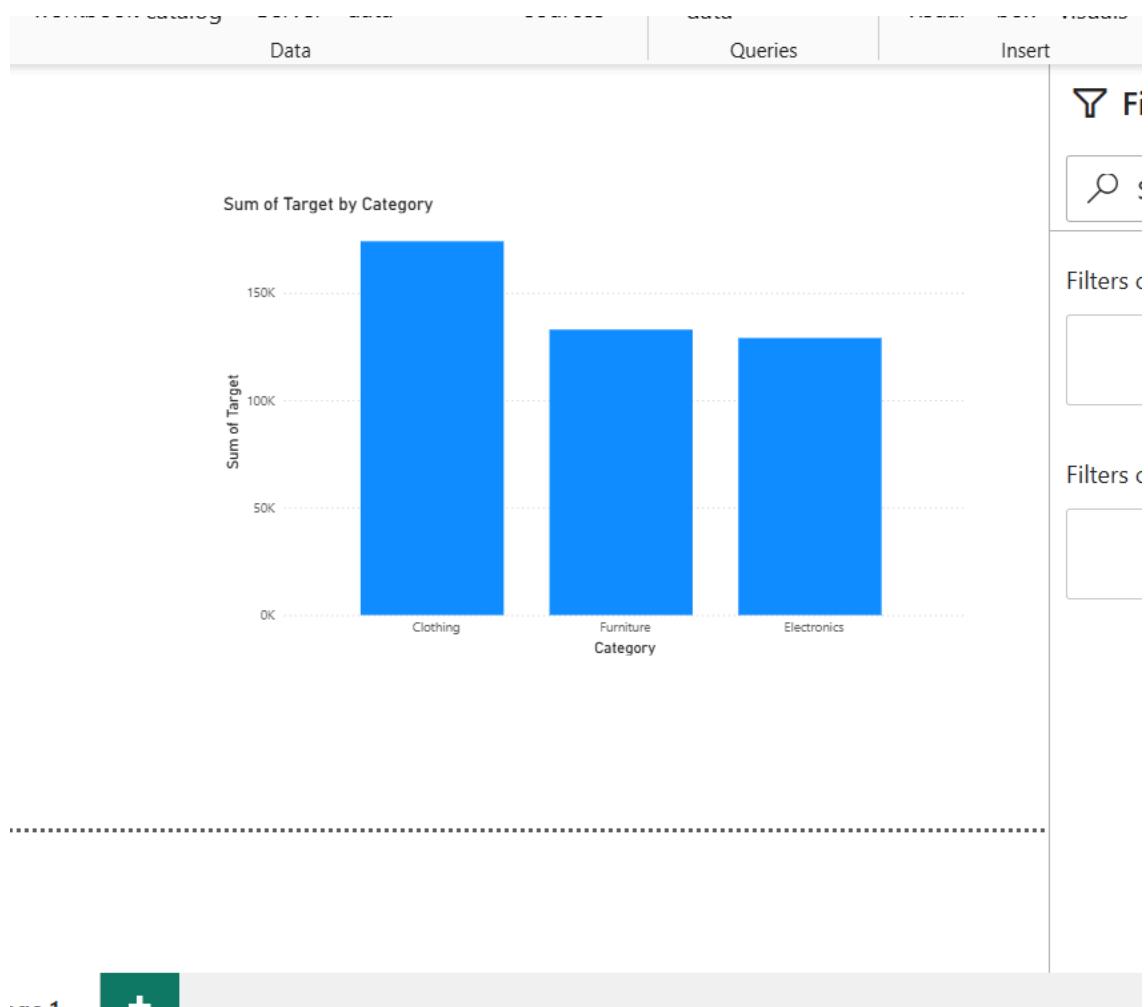
Order Date	Sum of Amount	YTD Sales
01 April 2018	5318	5318
03 April 2018	2247	7565
05 April 2018	75	7640
06 April 2018	137	7777
08 April 2018	2953	10730
09 April 2018	2615	13345
11 April 2018	160	13505
12 April 2018	1862	15367
13 April 2018	592	15959
15 April 2018	262	16221
17 April 2018	305	16526
18 April 2018	727	17253
20 April 2018	987	18240
22 April 2018	1025	19265
23 April 2018	1995	21260
24 April 2018	2259	23519
25 April 2018	19	23538
26 April 2018	5076	28614
27 April 2018	2155	30769
28 April 2018	434	31203
29 April 2018	1447	32650
30 April 2018	76	32726
<b>Total</b>	<b>431502</b>	<b>158800</b>

**159K**

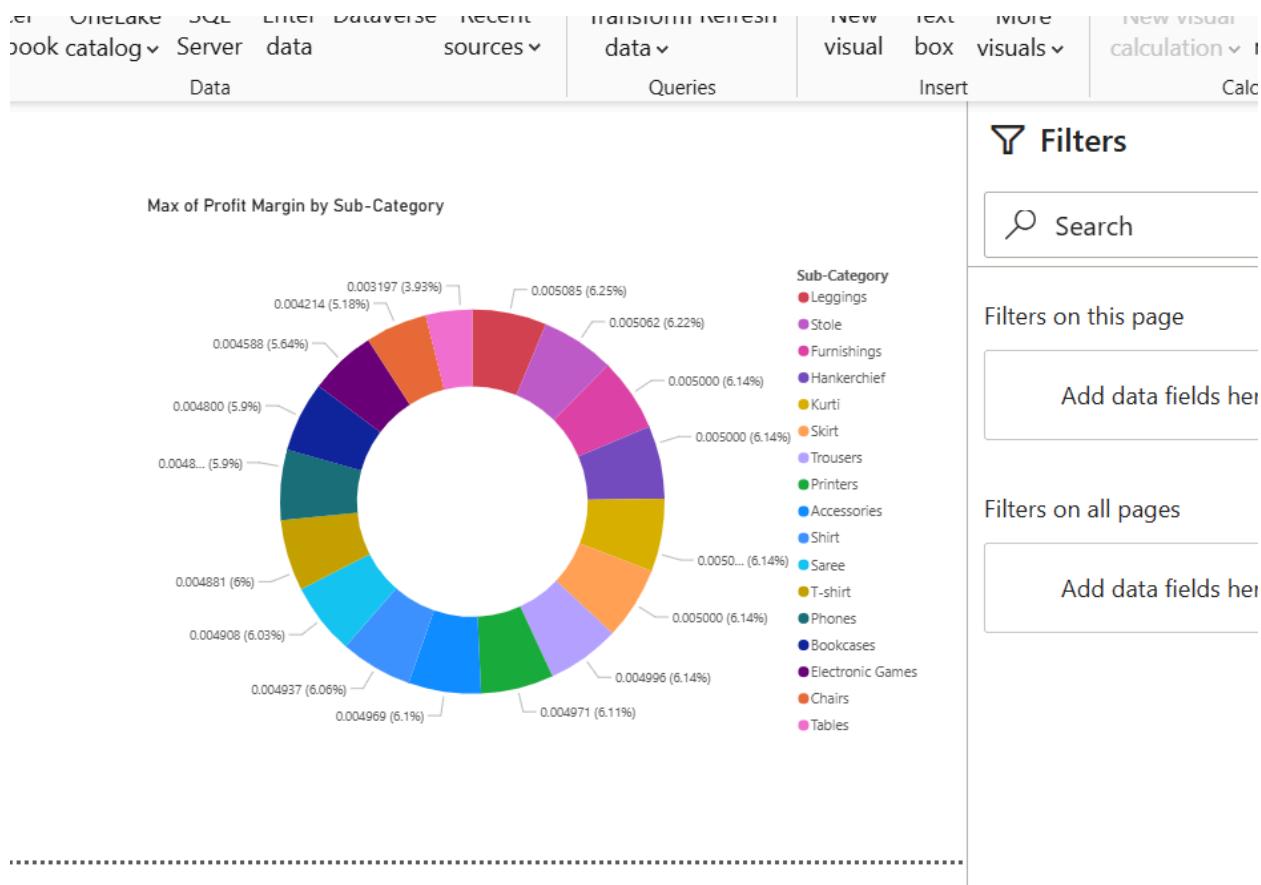
YTD Sales

## Data Visualization

### 1. Sales Target Achievement by Category in Clustered Column Chart.



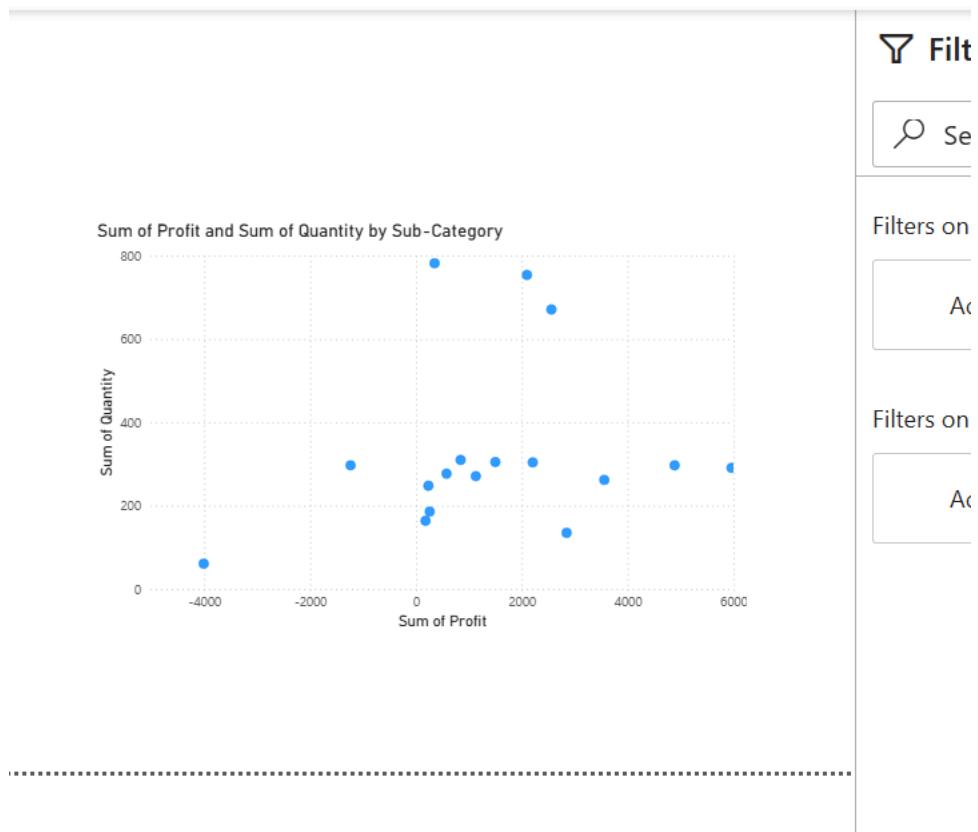
## 2. Max Profit Margin by Sub Category using Donut Chart.



### 3. Trend of Monthly Sales over time using Line Chart.



#### 4. Relationship between Profit and Quantity for Sub Category using Scatter Chart.



5.Create cards to succinctly display the total sales amount alongside the sales target for quick comparison and analysis. Also, create a multi-row card to display the minimum target for each segment.

1500	435900
Total_Order	Sum of Target
<b>Clothing</b>	
12000	
Min of Target	
<b>Electronics</b>	
9000	
Min of Target	
<b>Furniture</b>	
10400	
Min of Target	

6.Sales Target Across Different Categories and Month using Matrix.

The screenshot shows the Power BI desktop interface. At the top, there's a ribbon with various icons and buttons for data sources (OneLake, SQL Server, Enter data, Dataverse, Recent sources), transformations (Transform data, Refresh data), and inserts (New visual, Text box, More visuals). Below the ribbon is a table visualization with four columns: Target, Clothing, Electronics, and Furniture. The table has several rows, each with a different target value and corresponding dates for Clothing, Electronics, and Furniture. A 'Total' row at the bottom summarizes the data. To the right of the table is a 'Filters' pane. It contains a search bar and two sections: 'Filters on this page' and 'Filters on all pages', each with a 'Add data field' button.

Target	Clothing	Electronics	Furniture	Total
9000		01 April 2018		01 April 2018
10400		01 April 2018	01 April 2018	
10500			01 May 2018	01 May 2018
10600			01 June 2018	01 June 2018
10800			01 July 2018	01 July 2018
10900			01 August 2018	01 August 2018
11000			01 September 2018	01 September 2018
11100			01 October 2018	01 October 2018
11300			01 November 2018	01 November 2018
11400			01 December 2018	01 December 2018
11500			01 January 2019	01 January 2019
11600			01 February 2019	01 February 2019
11800			01 March 2019	01 March 2019
12000	01 April 2018			01 April 2018
14000	01 July 2018			01 July 2018
16000	01 October 2018	01 January 2019		01 October 2018
<b>Total</b>	<b>01 April 2018</b>	<b>01 April 2018</b>	<b>01 April 2018</b>	<b>01 April 2018</b>

## 7.Total Sales by City to Identify Pattern using Map Chart.

Quick New New  
measure column table

Mark as date table

Change detection

New parameter

Manage roles

View as

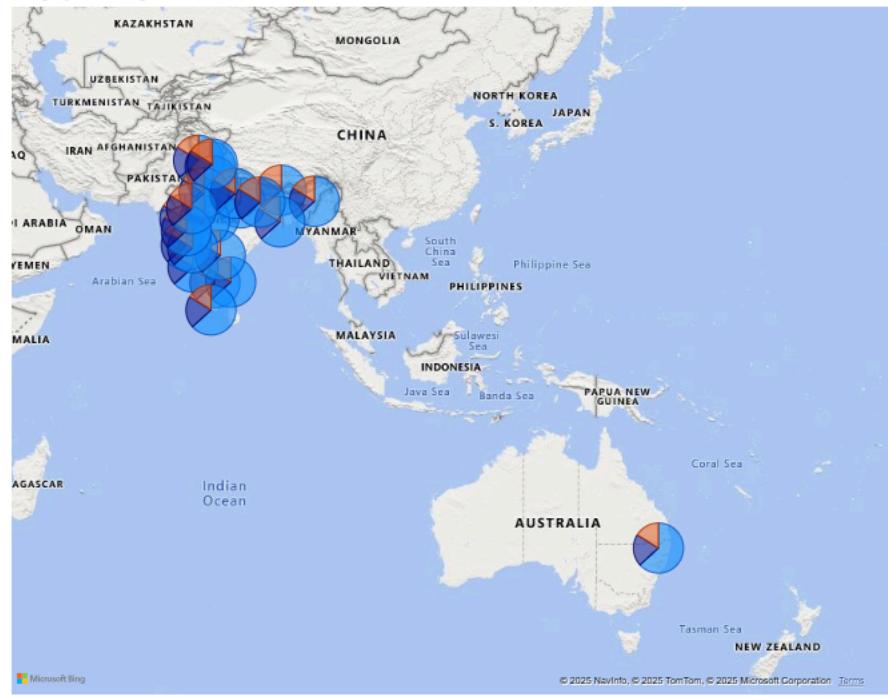
Security

Q&A Language Lin  
setup

Q&A

Total\_Order by City and Category

Category Clothing Electronics Furniture



## Filters

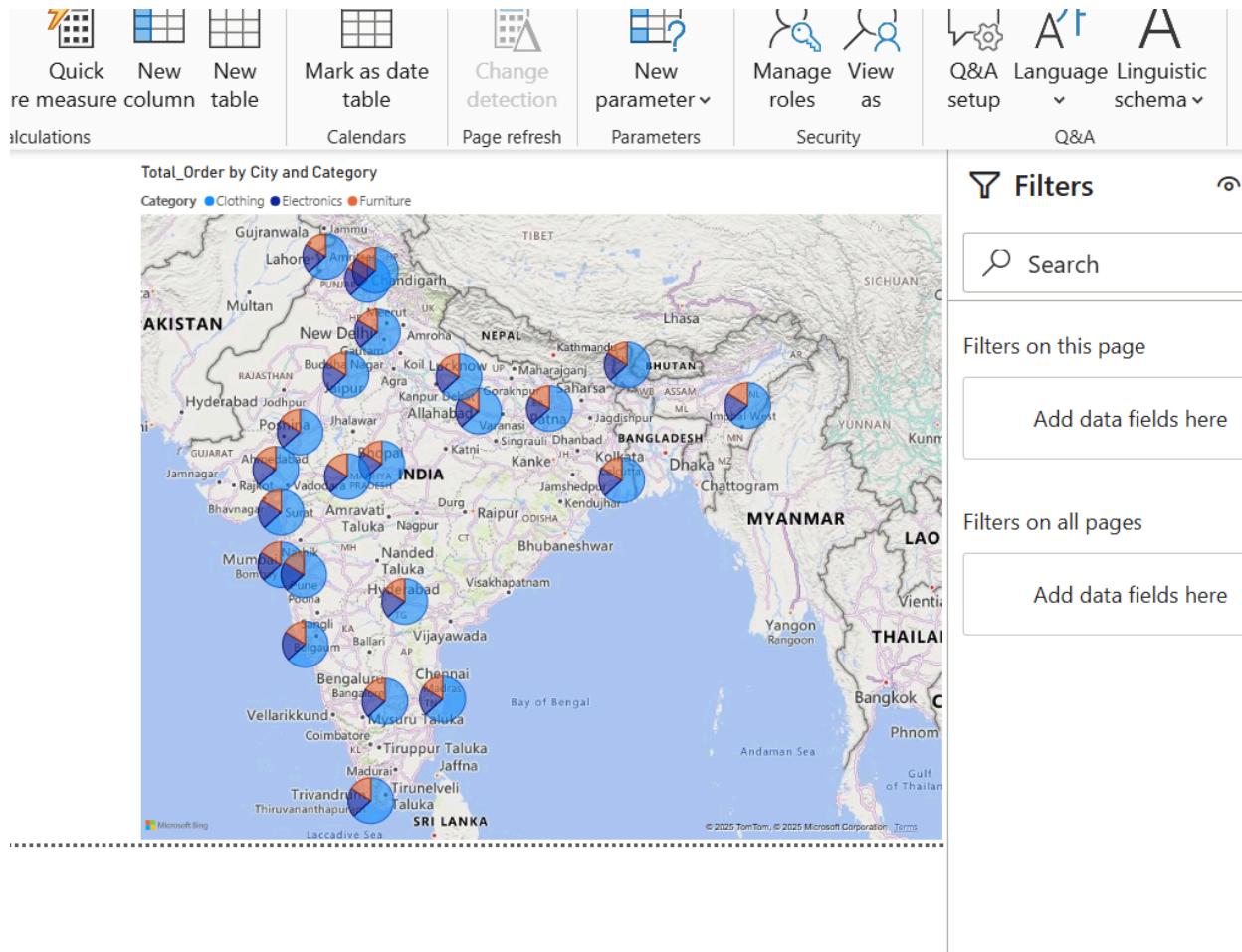
Search

Filters on this page

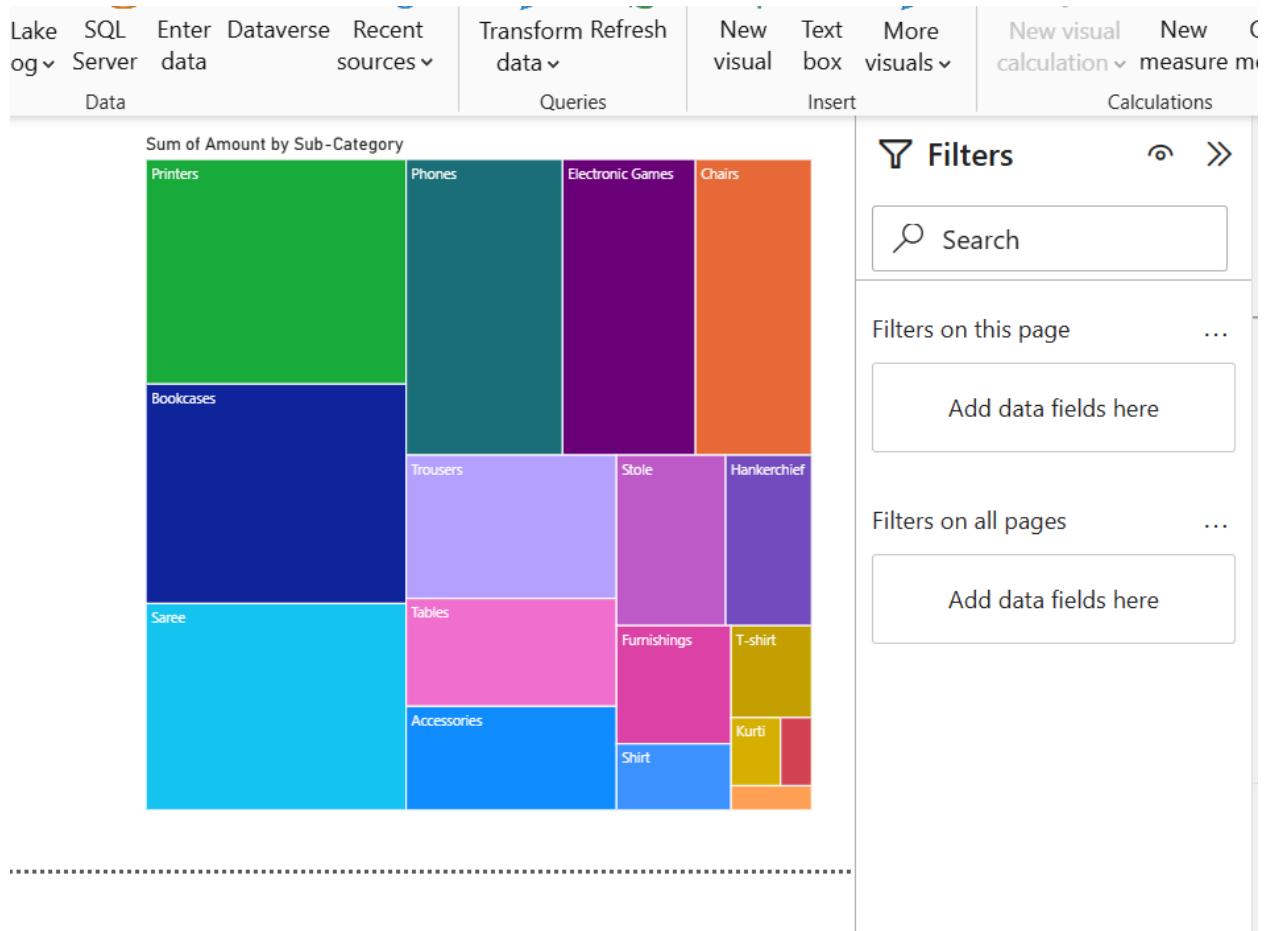
Add data filter

Filters on all pages

Add data filter



## 8.Sales Distribution by Sub Category using Tree Map.



## 9. Distribution of Order Count Across Different States using Funnel Chart.

