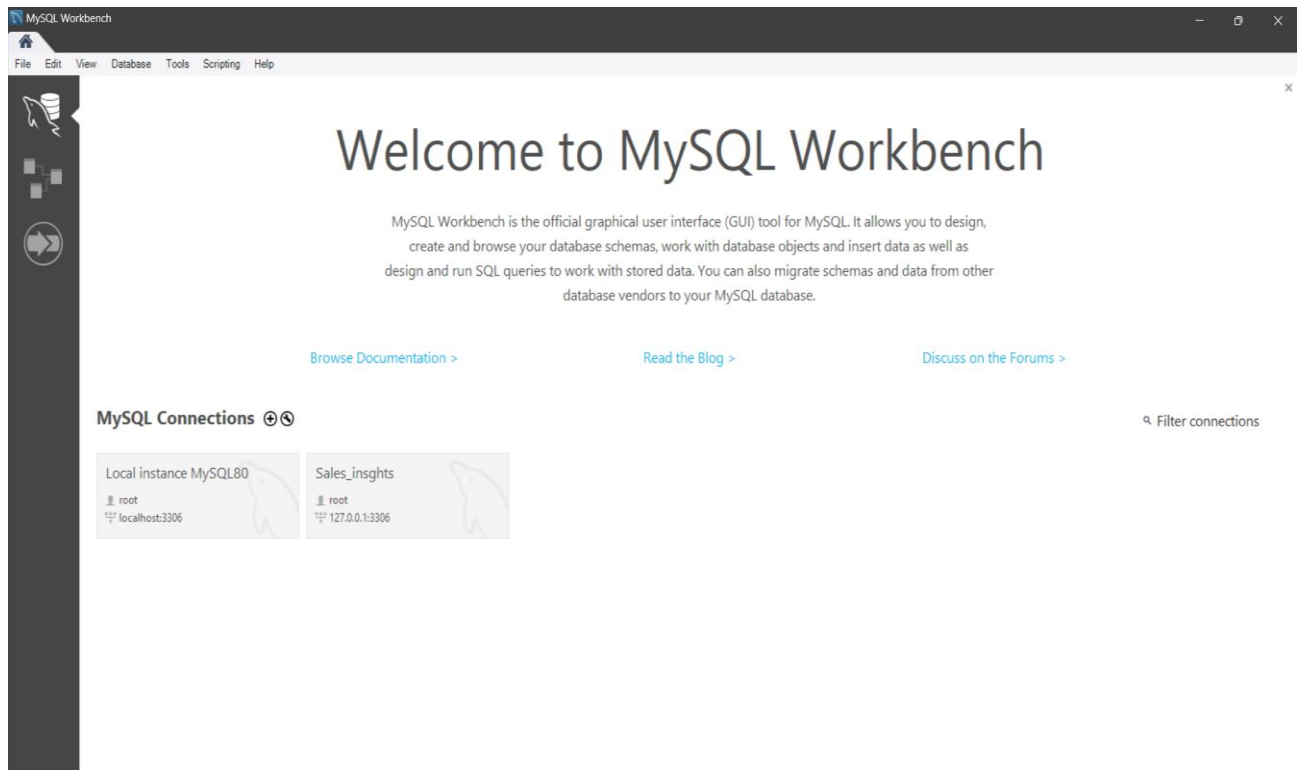
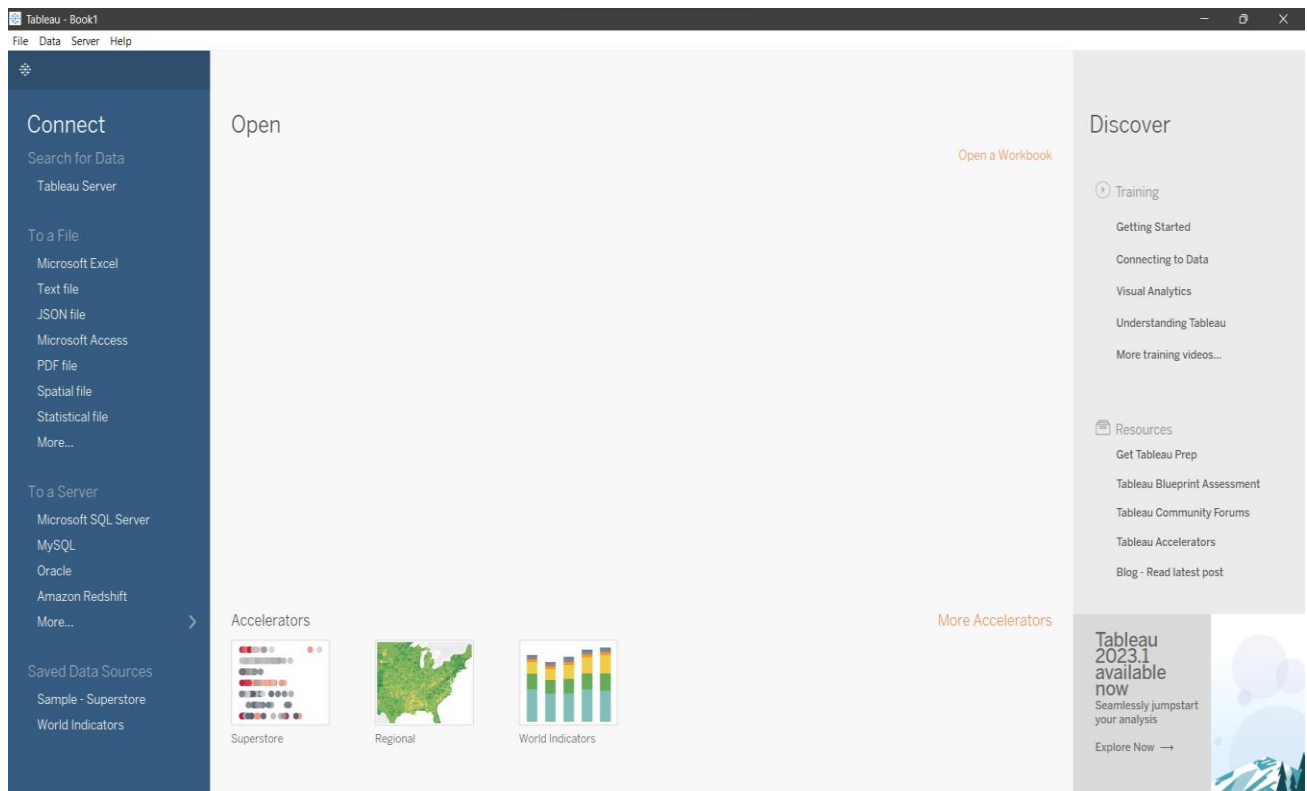


1) Download tableau desktop and MySQL in your PC or Laptop



2) Create a new schema in your MySQL workbench and upload your data

The screenshot shows the MySQL Workbench interface. On the left, the 'SCHEMAS' pane shows a tree view with 'employees', 'new_schema', 'Tables', 'Views', 'Stored Procedures', 'Functions', 'sales', 'superstore', and 'sys'. The 'new_schema' schema is selected. In the center, the 'Query 1' editor shows SQL code for creating a new schema and loading data from a 'sample - superstore' table. The 'Result Grid' at the bottom shows the output of the query, displaying a table with columns: Row ID, Order ID, Order Date, Ship Date, Ship Mode, Customer ID, Customer Name, Segment, Country, City, State, and Postal Code. The 'Output' pane at the bottom shows the execution log, including messages like 'SHOW TABLES FROM 'new_schema' like 'sample - superstore'', 'CREATE TABLE 'new_schema'. 'sample - superstore' (Row ID int, 'Order ID' text, 'Order Date' text, 'Sh...', 'PREPARE stmt FROM 'INSERT INTO 'new_schema'. 'sample - superstore' (Row ID', 'Order ID', 'Order...', 'DEALLOCATE PREPARE stmt', 'Use new_schema', and 'Select * From 'sample - superstore' LIMIT 0, 1000'.

```
38
39 /*find sum total sales of superstore*/
40 select sum(Sales*Quantity) as sum_total_sales from 'us superstore data';
41
42 /* find a region having maximum number of customers */
43 select Region, count('Customer Name') as max_customers
44 from 'us superstore data'
45 group by Region
46 order by max_customers desc limit 1;
47
48 Use new_schema;
49 Select * From 'sample - superstore';
```

Row ID	Order ID	Order Date	Ship Date	Ship Mode	Customer ID	Customer Name	Segment	Country	City	State	Postal Code
1	CA-2016-152156	11/8/2016	11/11/2016	Second Class	CG-12520	Claire Gule	Consumer	United States	Henderson	Kentucky	42420
2	CA-2016-152156	11/8/2016	11/11/2016	Second Class	CG-12520	Claire Gule	Consumer	United States	Henderson	Kentucky	42420
3	CA-2016-138688	6/12/2016	6/16/2016	Second Class	DV-13045	Darrin Van Huff	Corporate	United States	Los Angeles	California	90036
4	US-2015-108966	10/11/2015	10/18/2015	Standard Class	SO-20335	Sean O'Donnell	Consumer	United States	Fort Lauderdale	Florida	33311

3) Connect your MySQL and Tableau

The screenshot shows the Tableau Desktop interface. On the left, the 'Connections' pane shows a connection to 'localhost MySQL'. The 'Database' pane shows 'new_schema' selected. The 'Table' pane shows 'sample - superstore' selected. In the center, the 'sample - superstore (new_schema)' table is displayed. Below the table, there is a 'Need more data?' message and a 'Learn more' link. The 'Fields' pane at the bottom shows the table's structure with columns: Row ID, Order ID, Order Date, Ship Date, Ship Mode, Customer ID, and Customer Name. The 'Data Source' pane at the bottom shows 'Sheet 1' selected.

sample - superstore (new_schema)

Connection: ☒ Live ☐ Extract Filters: 0 | Add

sample - superstore

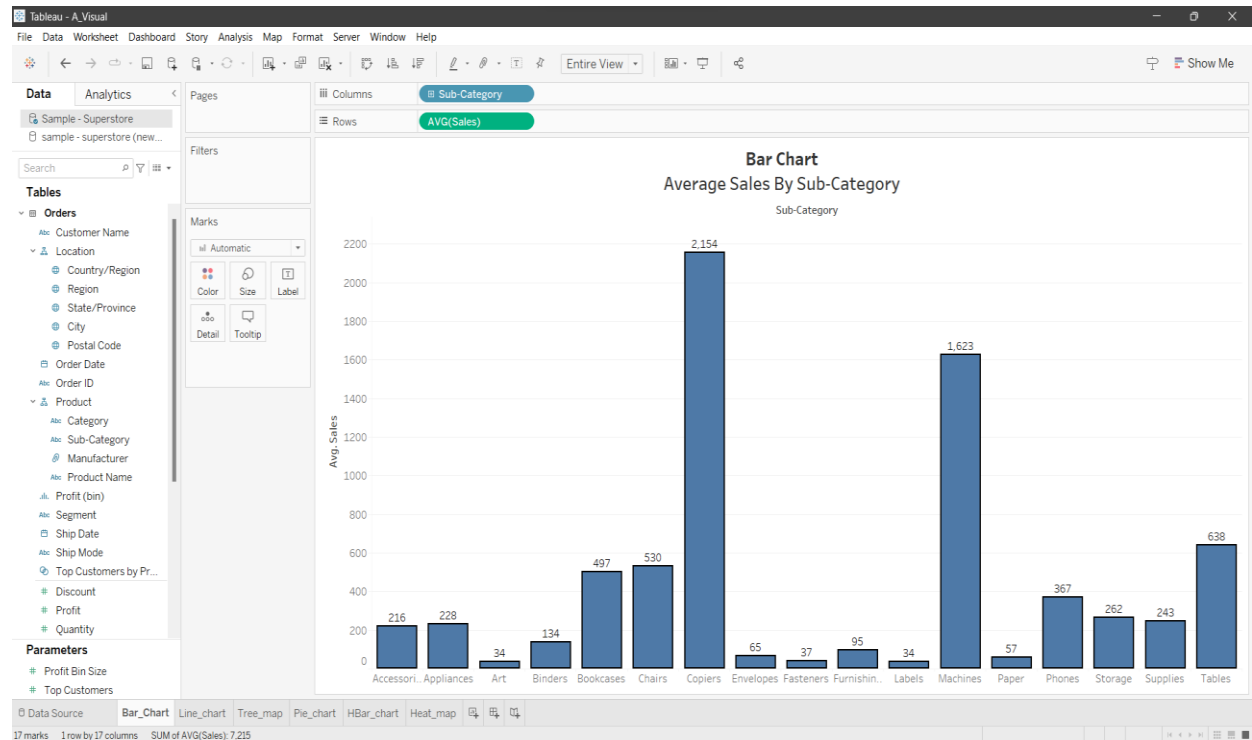
Need more data?
Drag tables here to relate them. [Learn more](#)

#	sample - superstore	sample - superstore	sample - superstore	sample - superstore	sample - superstore	sample - superstore	sample - superstore
Row ID	Order ID	Order Date	Ship Date	Ship Mode	Customer ID	Customer Name	
sample - superstore	sample - superstore	sample - superstore	sample - superstore	sample - superstore	sample - superstore	sample - superstore	sample - superstore

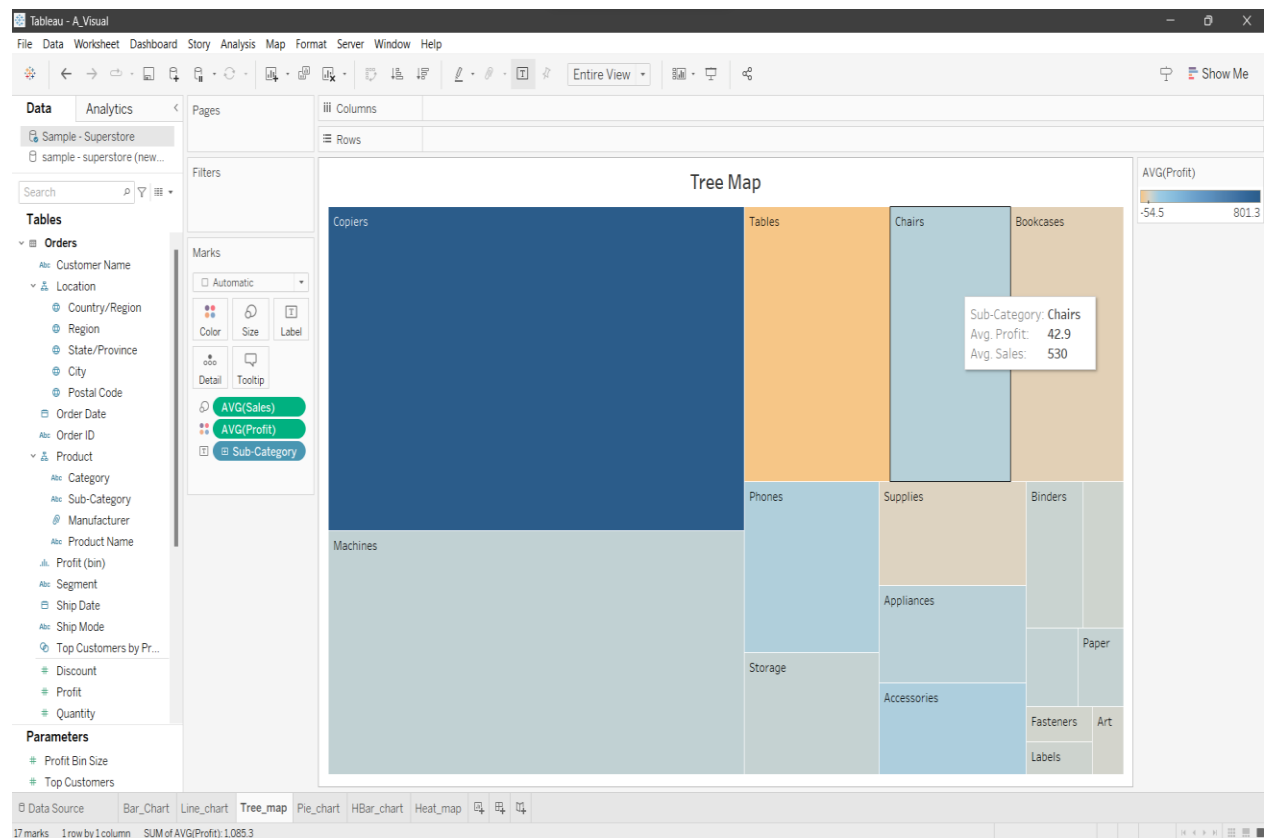
Update Now
Update Automatically

4) Create the below 5 charts/plots

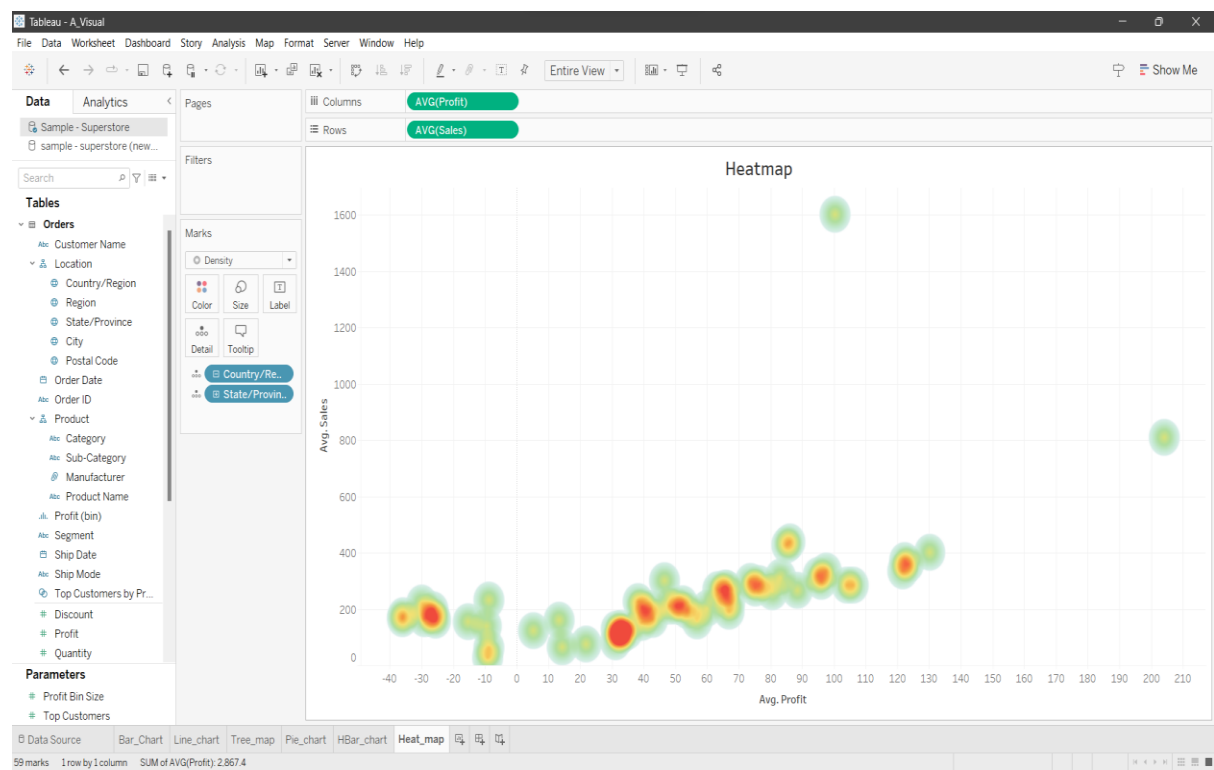
Bar Chart



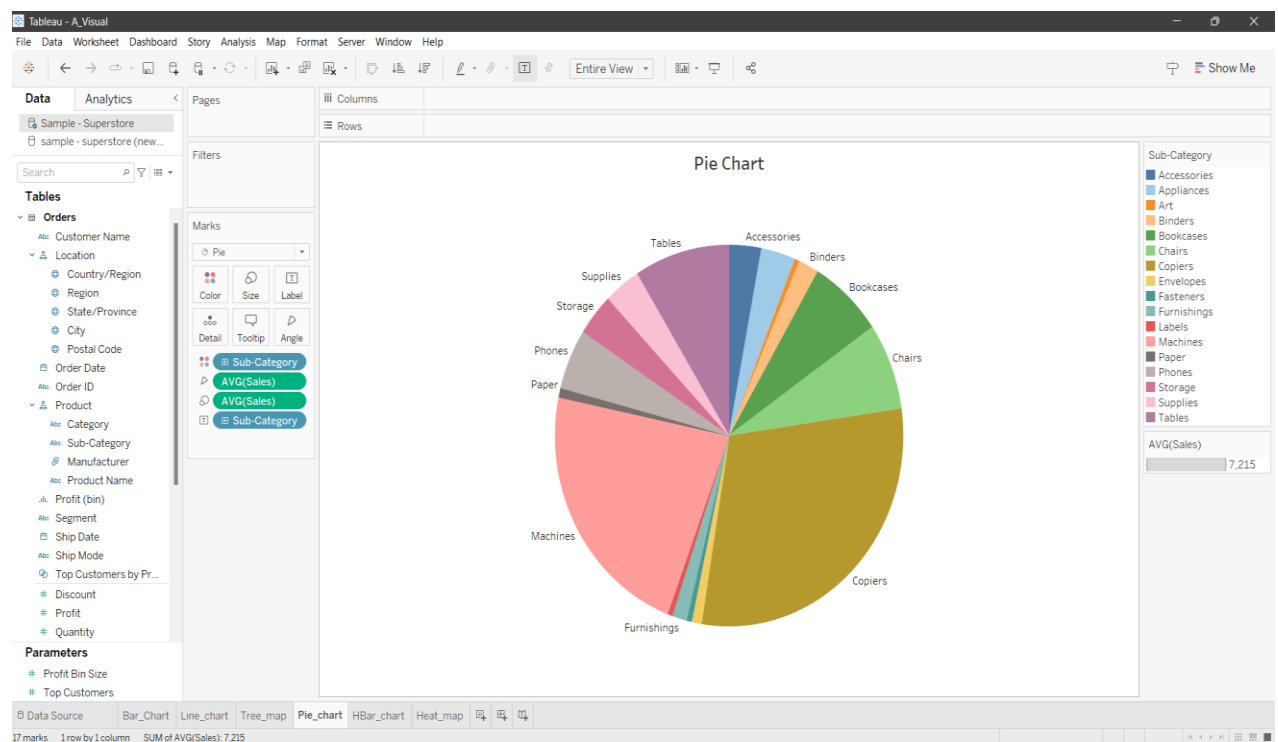
Tree Map



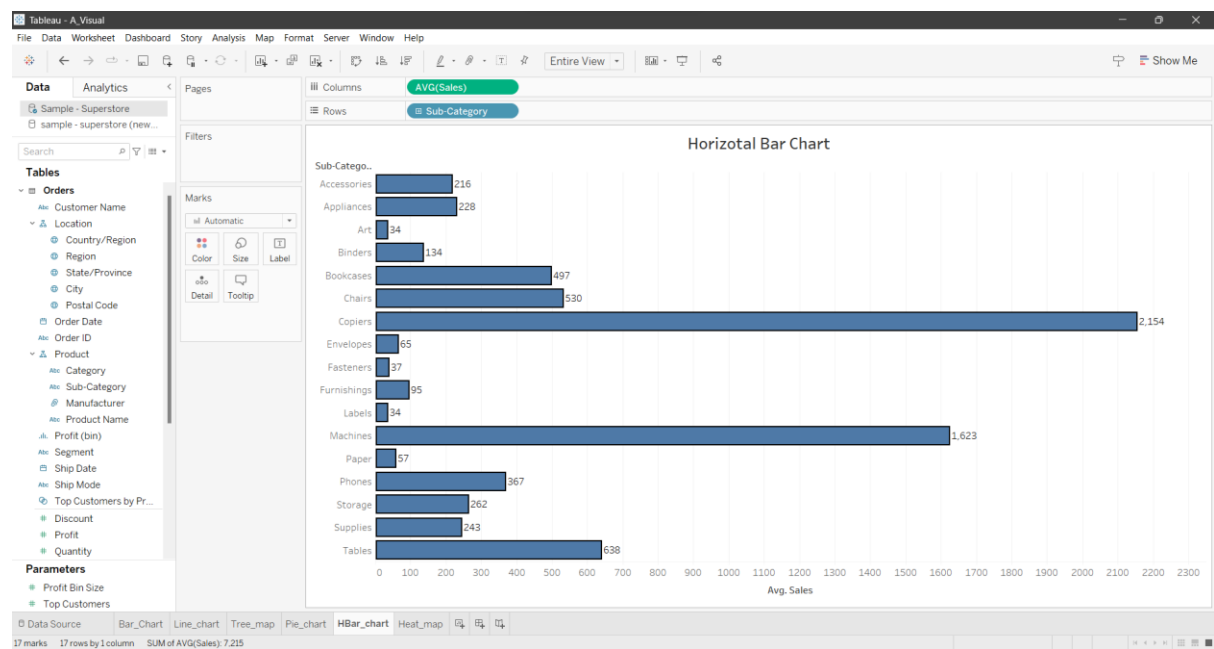
Heatmap



Pie Chart



Horizontal Bar chart



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Smart Bridge Data Analytics Assignment 1