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DATA ANALYTICS WITH TABLEAU

ASSIGNMENT-3

1. UPLOADING DATASET IN MYSQL & DELETING UNNECESSARY COLUMNS:

The screenshot displays the MySQL Workbench interface. The 'Query 1' window shows the following SQL script:

```
1. use supermarket;
2. select * from supermarket;
3.
4. alter table supermarket
5. drop column 'Customer type';
```

The 'Result Grid' shows the output of the queries. The first query returned 1000 rows. The second query returned 1000 rows. The third query returned 0 rows affected. The fourth query returned 0 rows affected. The fifth query returned 1000 rows.

ne	Unit price	Quantity	Tax 5%	Total	Date	Time	Payment	cogs	gross margin percentage	gross income	Rating
d beauty	74.69	7	26.1415	548.9715	1/5/2019	13:08	Ewallet	522.83	4.761904762	26.1415	9.1
accessories	15.28	5	3.82	80.22	3/8/2019	10:29	Cash	76.4	4.761904762	3.82	9.6
lifestyle	46.33	7	16.2155	340.5255	3/3/2019	13:23	Credit card	324.31	4.761904762	16.2155	7.4
d beauty	58.22	8	23.288	489.048	1/27/2019	20:33	Ewallet	465.76	4.761904762	23.288	8.4
travel	64.11	7	20.785	634.3785	7/8/2019	10:37	Ewallet	604.17	4.761904762	20.785	5.3

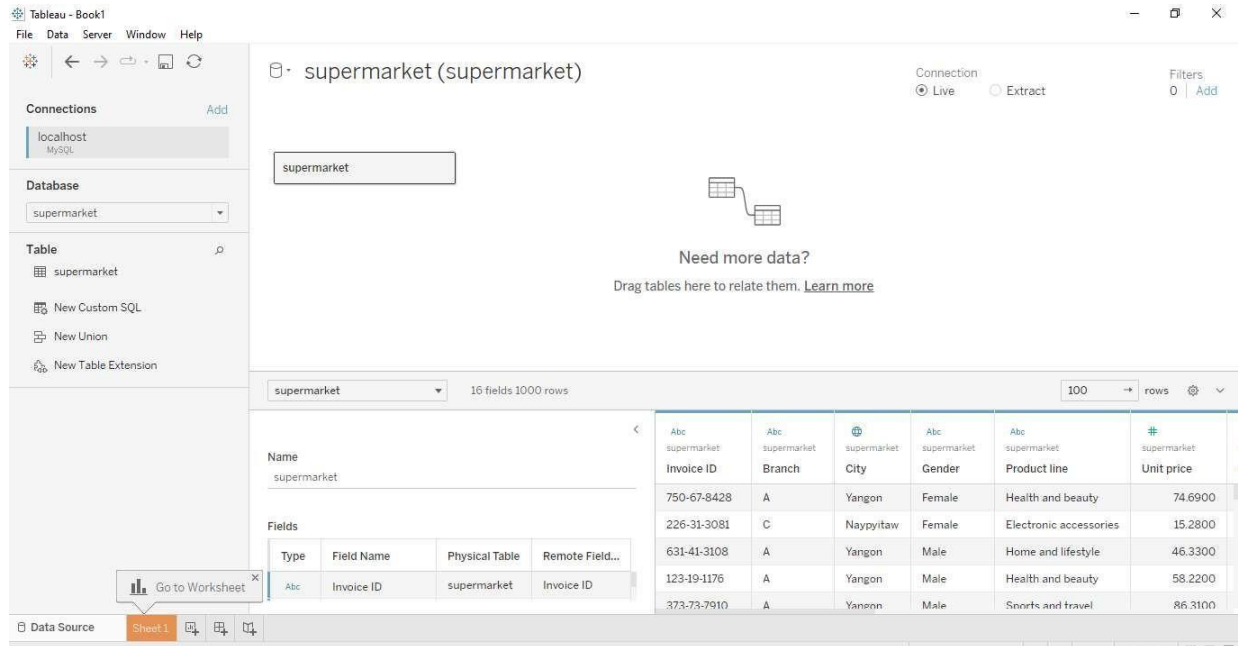
The 'Information' window shows the 'Table: supermarket' with the following columns:

- Invoice ID
- Branch
- City
- Customer type
- Gender
- Product line
- Unit price
- Quantity
- Tax 5%
- Total
- Date
- Time
- Payment
- cogs

The screenshot shows the 'Columns' list for the 'supermarket' table. The columns are:

- Invoice ID
- Branch
- City
- Customer type
- Gender
- Product line
- Unit price
- Quantity
- Tax 5%
- Total
- Date
- Time
- Payment
- cogs

2. LINKING TABLEAU WITH MY SQL:

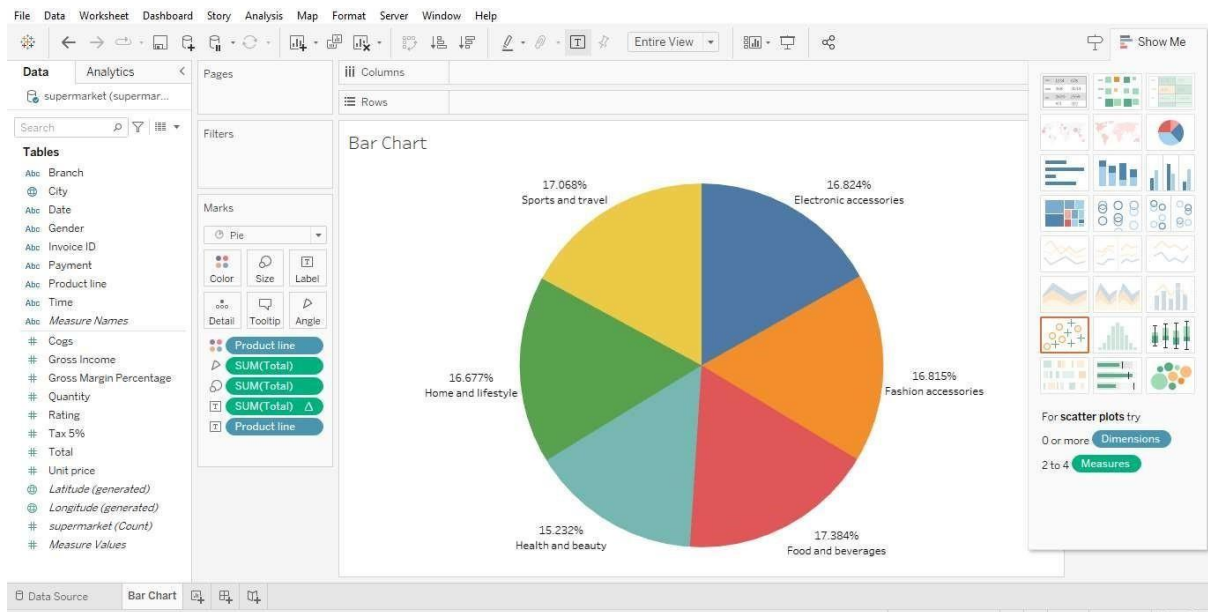


The screenshot shows the Tableau Desktop interface with a MySQL connection established to a 'supermarket' database. The left sidebar shows the 'Connections' pane with 'localhost MySQL' selected. Below it, the 'Database' pane shows 'supermarket' selected. The 'Table' pane lists 'supermarket', 'New Custom SQL', 'New Union', and 'New Table Extension'. The main workspace shows a 'supermarket (supermarket)' view with a 'supermarket' table icon. A message 'Need more data? Drag tables here to relate them. [Learn more](#)' is displayed. Below the workspace, a table preview for 'supermarket' is shown, indicating 16 fields and 1000 rows. The preview table has columns: Invoice ID, Branch, City, Gender, Product line, and Unit price. A 'Go to Worksheet' button is visible in the bottom left corner.

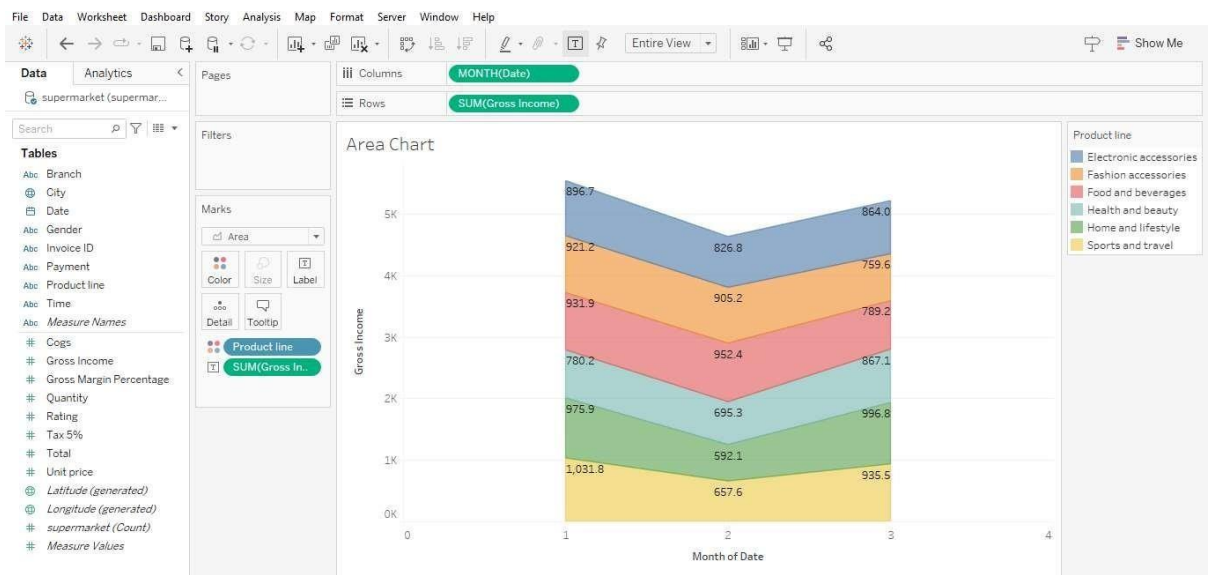
Invoice ID	Branch	City	Gender	Product line	Unit price
750-67-8428	A	Yangon	Female	Health and beauty	74.6900
226-31-3081	C	Naypyitaw	Female	Electronic accessories	15.2800
631-41-3108	A	Yangon	Male	Home and lifestyle	46.3300
123-19-1176	A	Yangon	Male	Health and beauty	58.2200
373-73-7910	A	Yangon	Male	Sports and travel	86.3100

EXPLORATION AND VISUALIZATION:

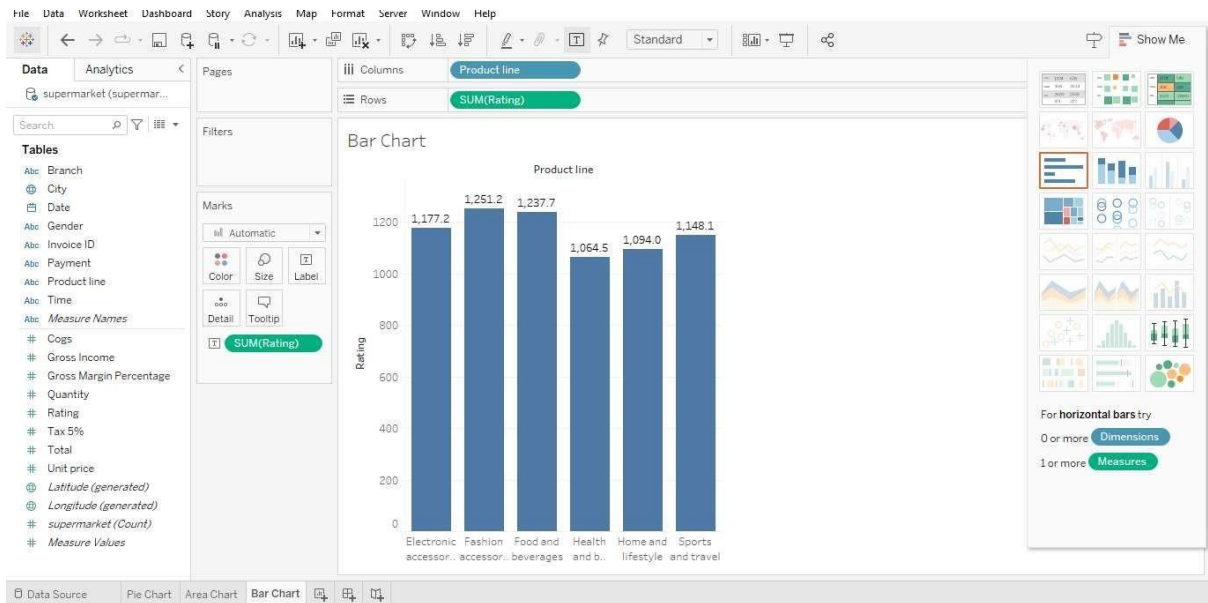
1. PIE CHART:



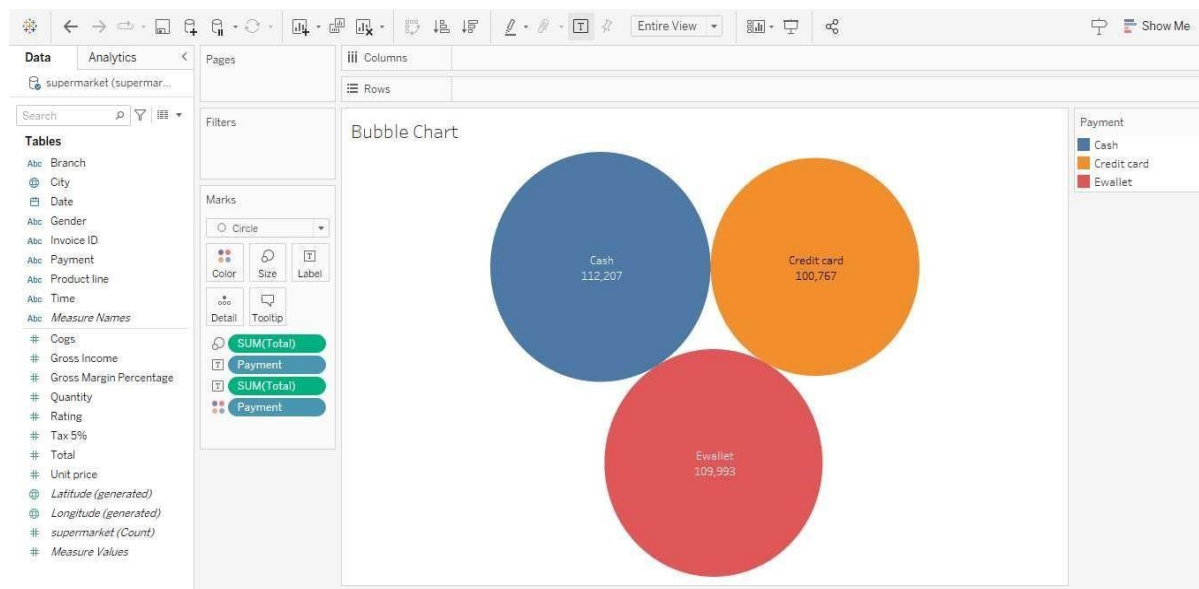
2. AREA CHART:



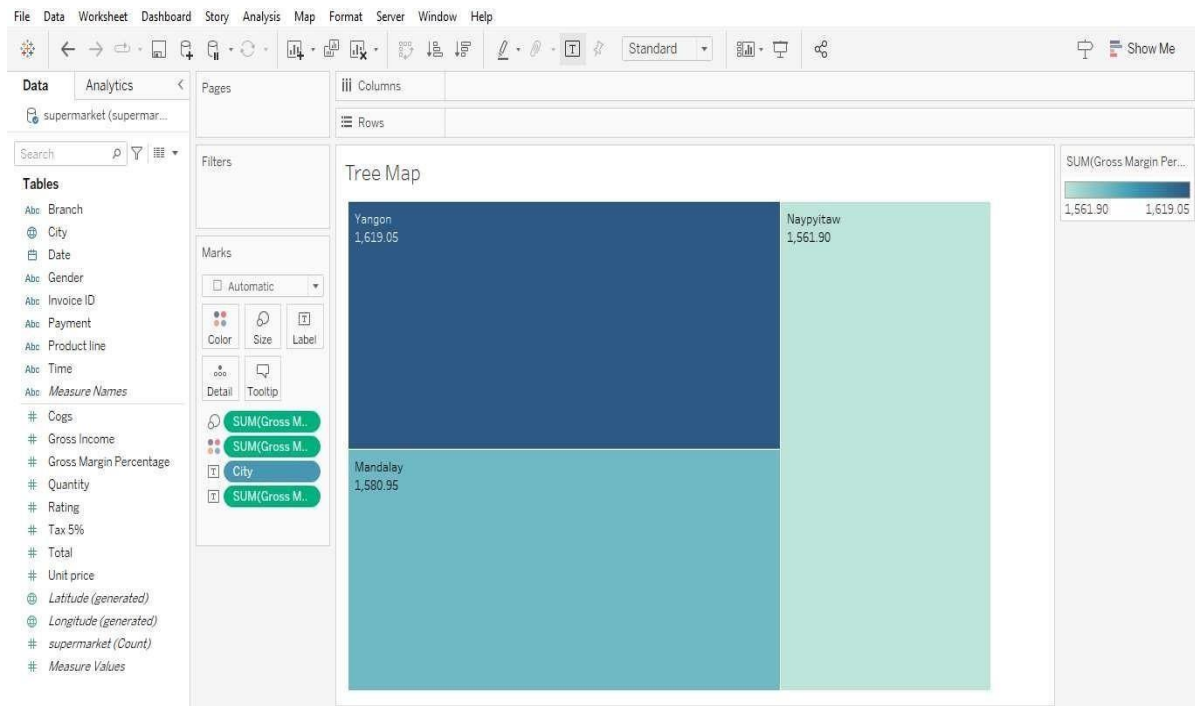
3. BAR CHART:



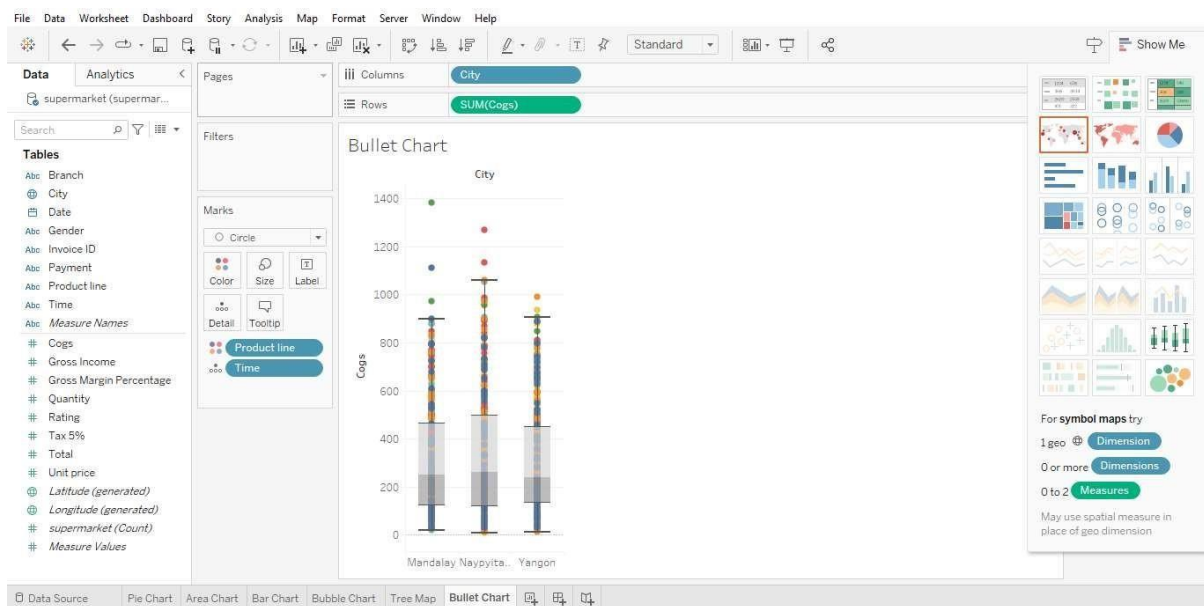
4. BUBBLE CHART:



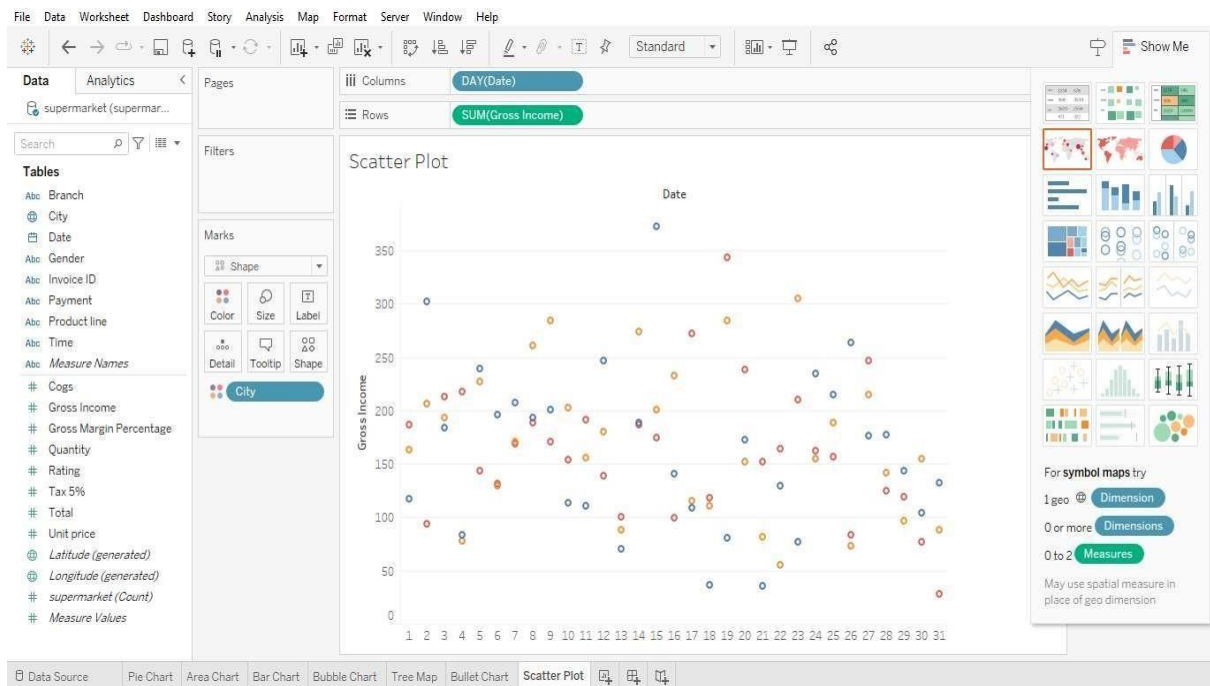
5. TREE MAP:



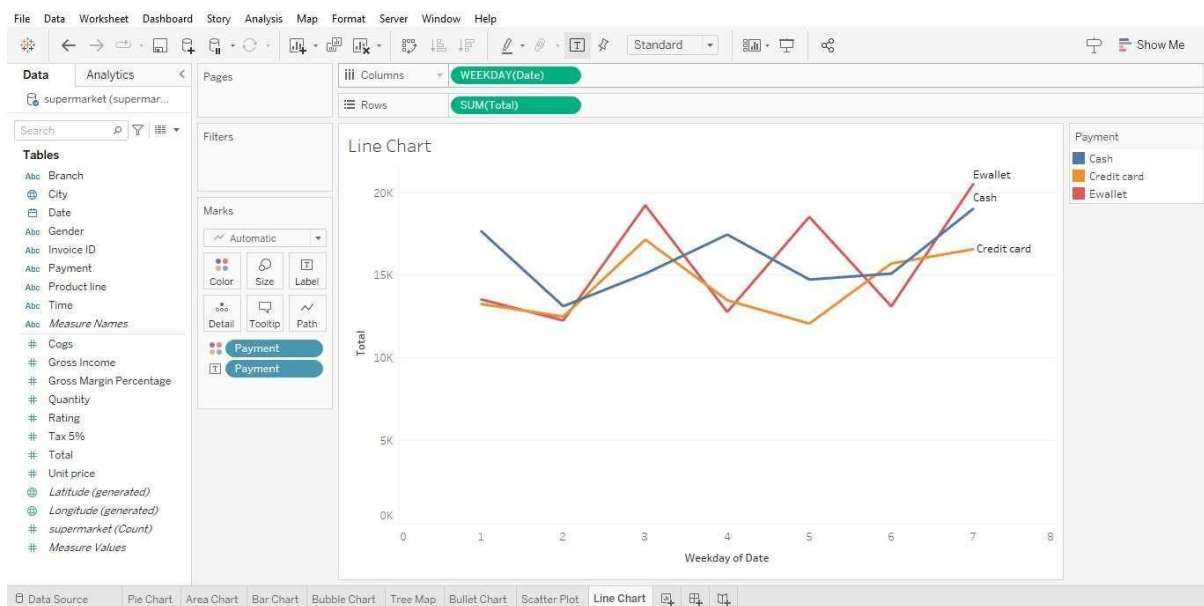
6. BULLET CHART:



7. SCATTER PLOT:



8. LINE CHART:



9. STACKED BAR CHART:

