

Assignment-3

Name:-

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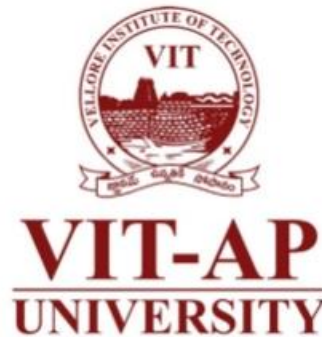
Course:-

Data Analytics collaboration with ibm

Cognos

Branch:-

VIT-AP(Amravati)



Challenge: -

Upload the dataset to MySQL and integrate with Tableau , delete the unnecessary columns, explore and visualize the dataset using Tableau.

MySQL workbench: -

First, we create a database in schemas and upload table and connect to the tableau. So, I have dropped time in the table because it is no use for visualization and any operations. Therefore, we remove time from the table.

The screenshot displays the MySQL Workbench interface. The left sidebar shows the 'SCHEMAS' panel with a tree view containing 'demodb', 'sujith', and 'supermarket'. The 'supermarket' schema is selected, showing its tables, views, stored procedures, functions, and superstore. The main window shows a SQL script in the 'SQL File 3*' tab:

```
1 • use supermarket;  
2  
3 • select * from supermarket;  
4  
5 • alter table supermarket  
6   drop column Time;
```

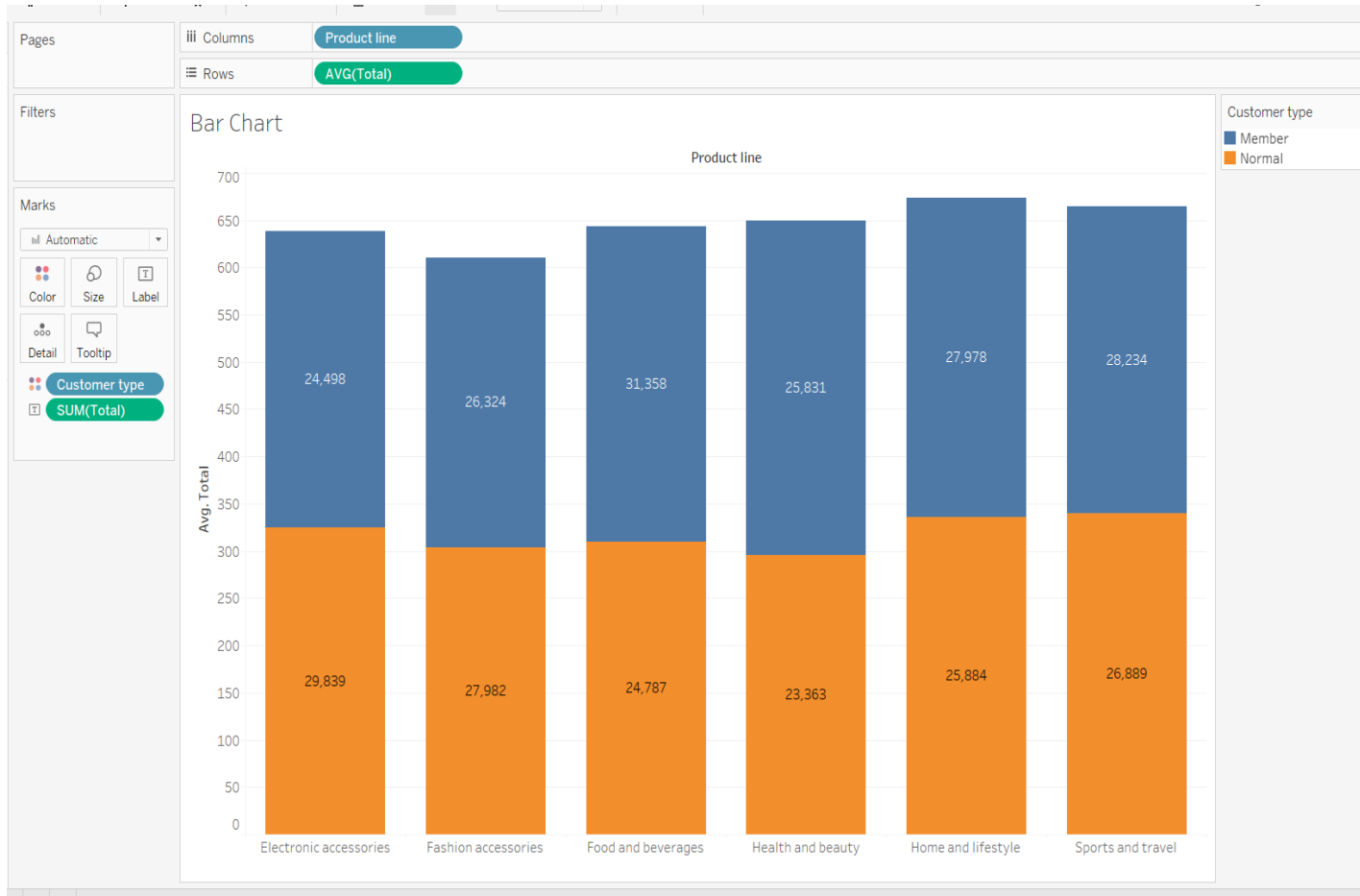
Below the script, the 'Result Grid' shows the data from the 'supermarket' table. The columns are: Invoice ID, Branch, City, Customer type, Gender, Product line, Unit price, Quantity, and Tax 5%. The data includes 16 rows of information about various products and customers.

At the bottom, the 'Output' panel shows the execution results of the SQL script:

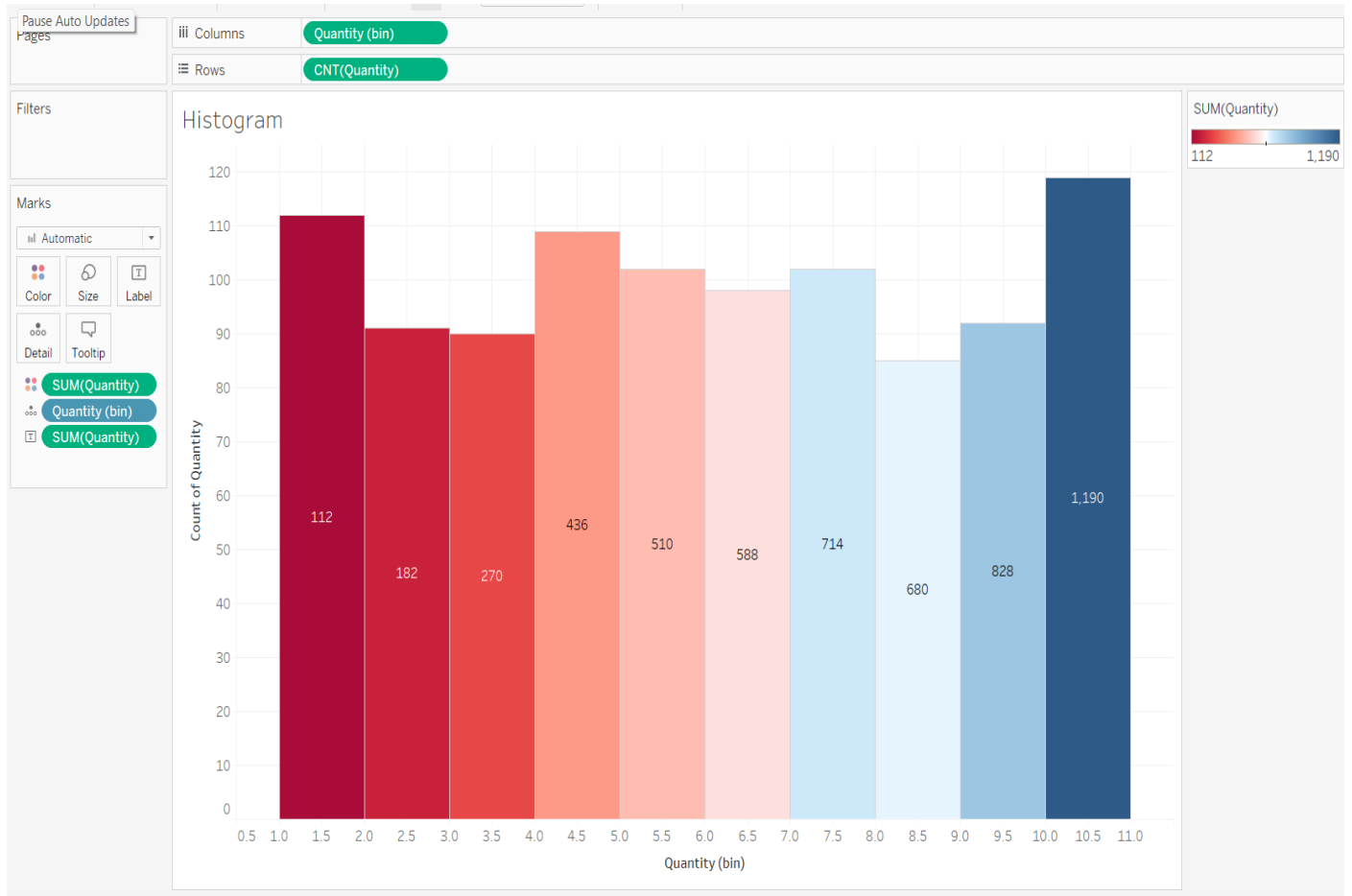
| # | Time | Action | Message |
|----|----------|--|---|
| 8 | 18:47:55 | use supermarket | 0 row(s) affected |
| 9 | 18:48:10 | select * from supermarket | 1000 row(s) returned |
| 10 | 18:57:05 | alter table supermarket drop column Time | 0 row(s) affected Records: 0 Duplicates: 0 Wa |
| 11 | 18:57:10 | select * from supermarket | 1000 row(s) returned |

Tableau Visualization: -

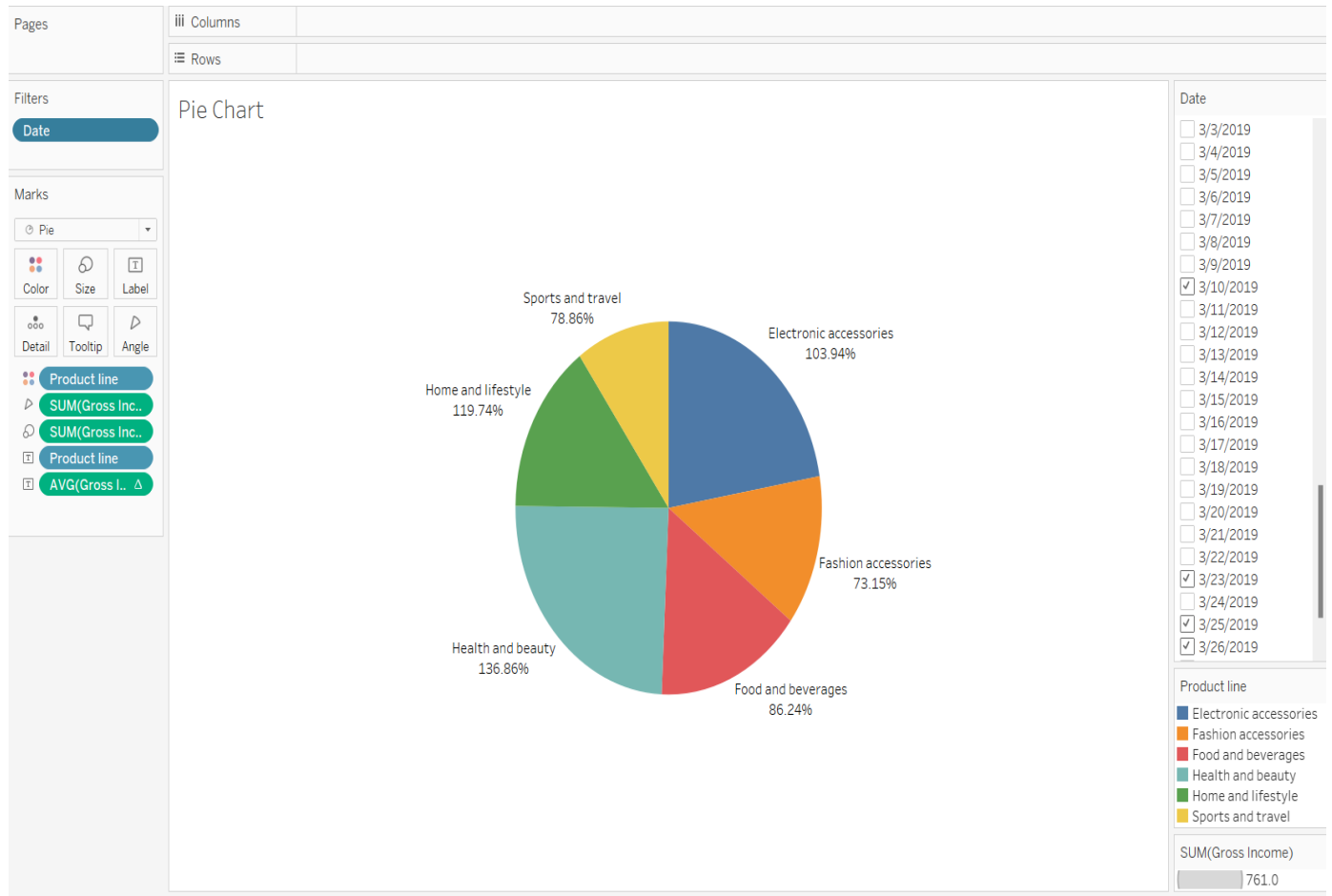
1)Bar Chart: -



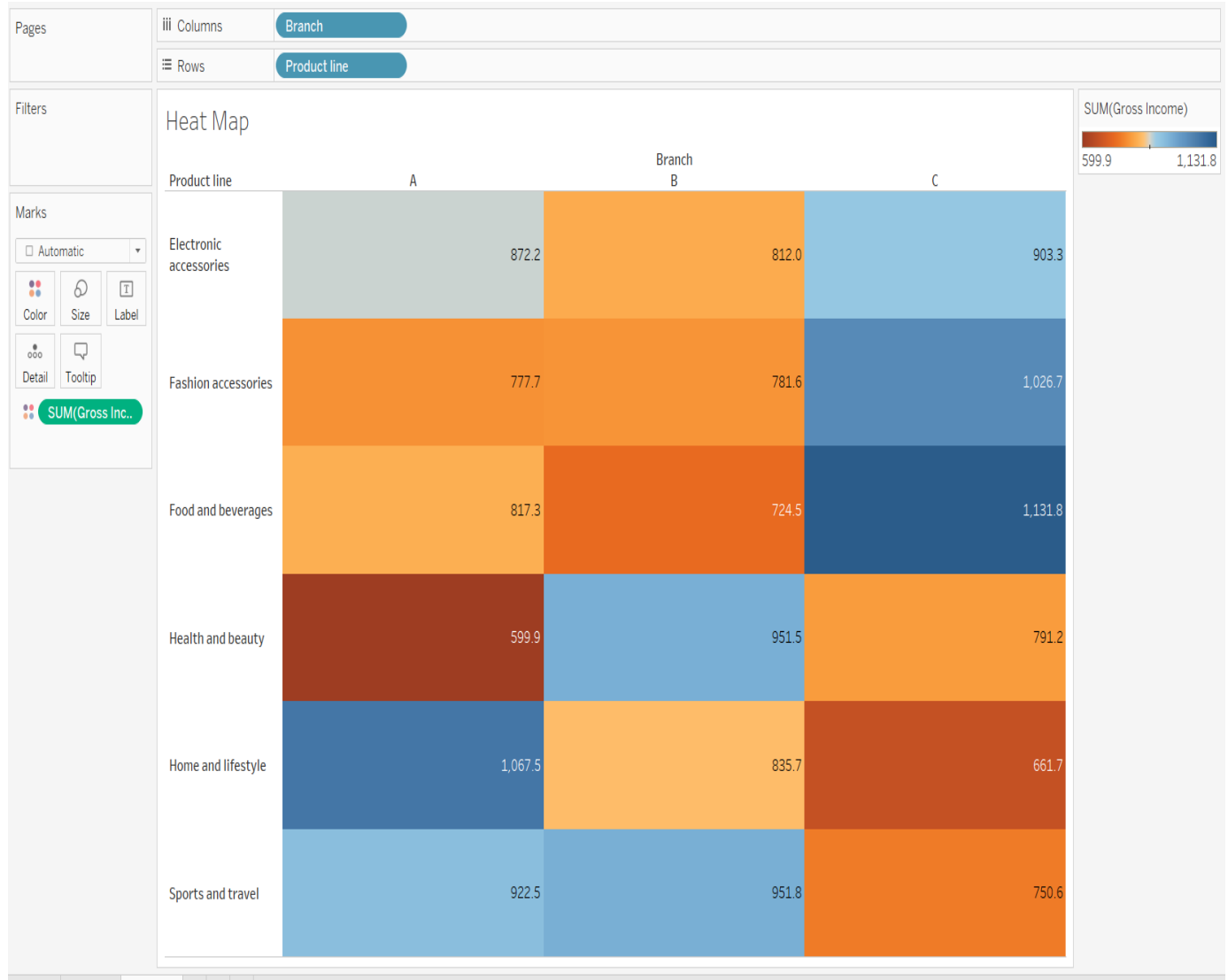
2)Histogram: -



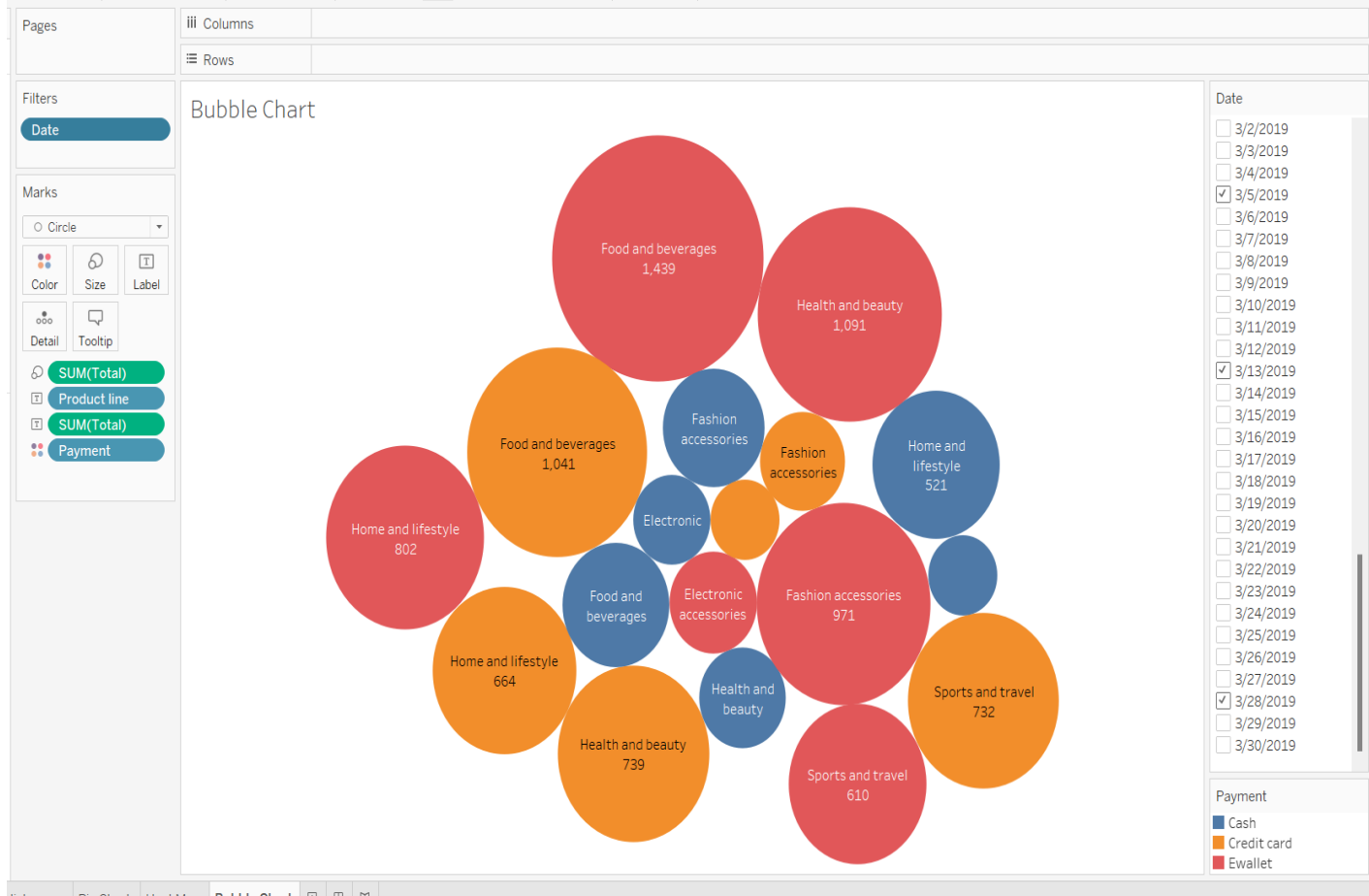
3) Pie Chart: -



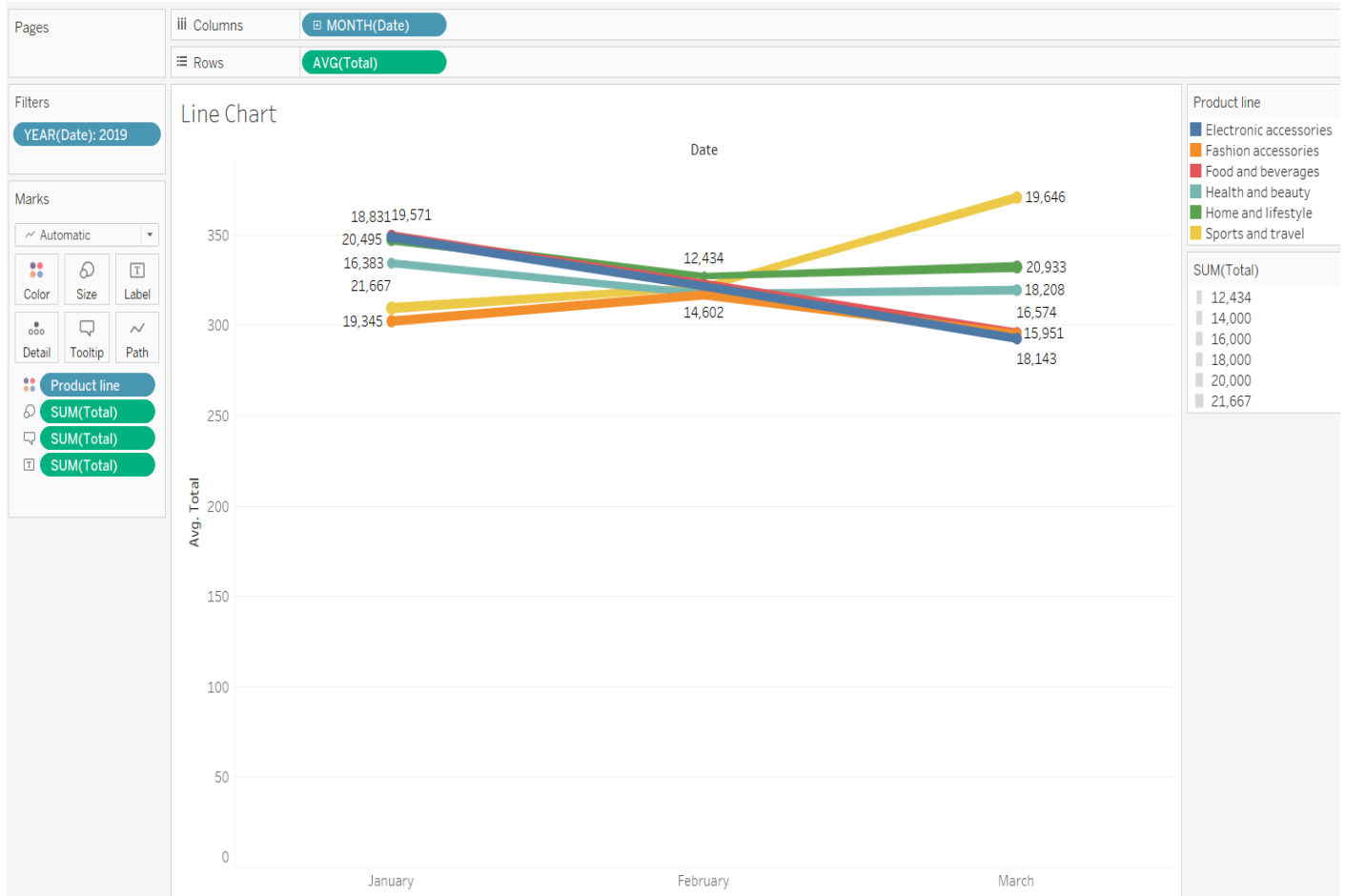
4)Heat Map: -



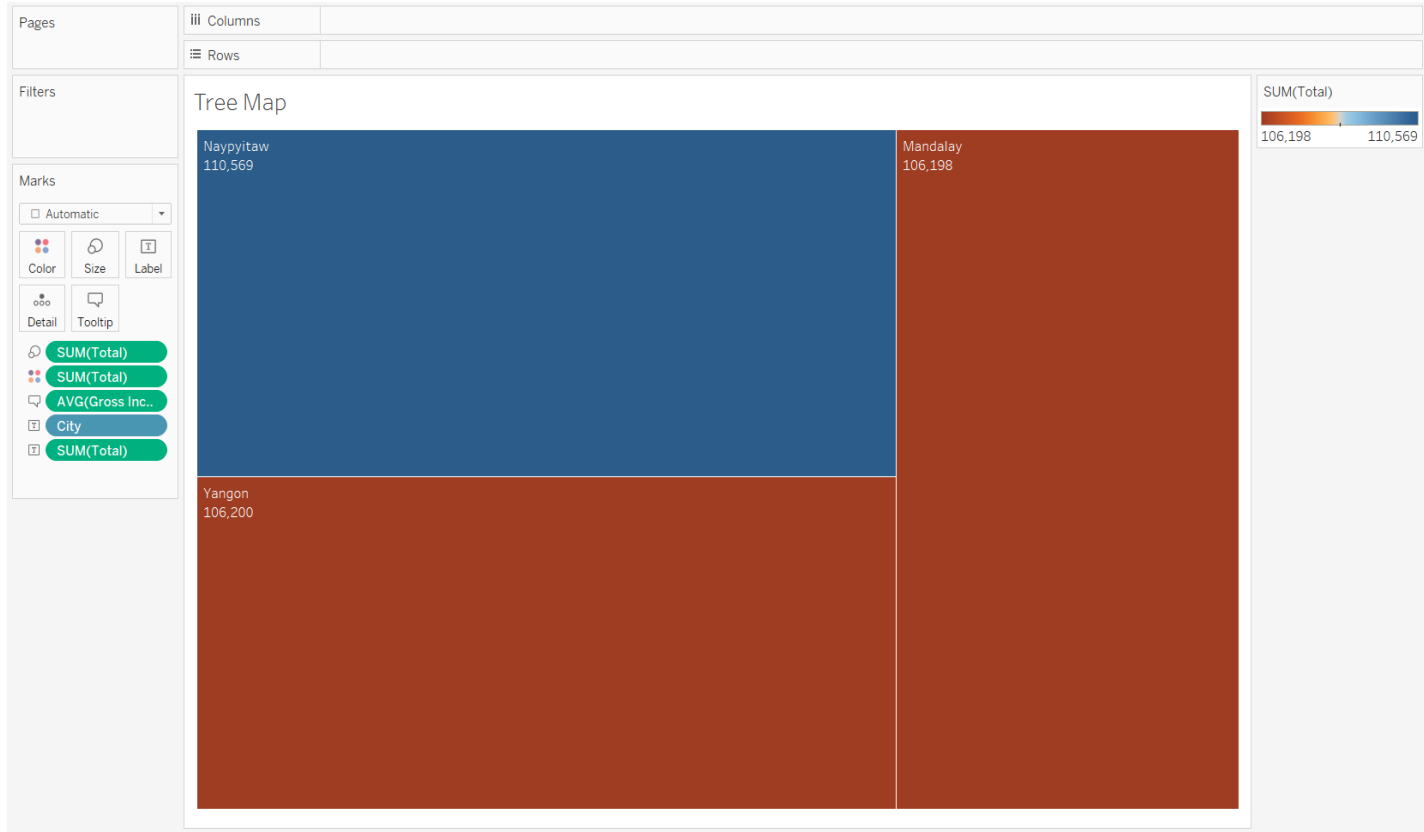
5)Bubble Chart: -



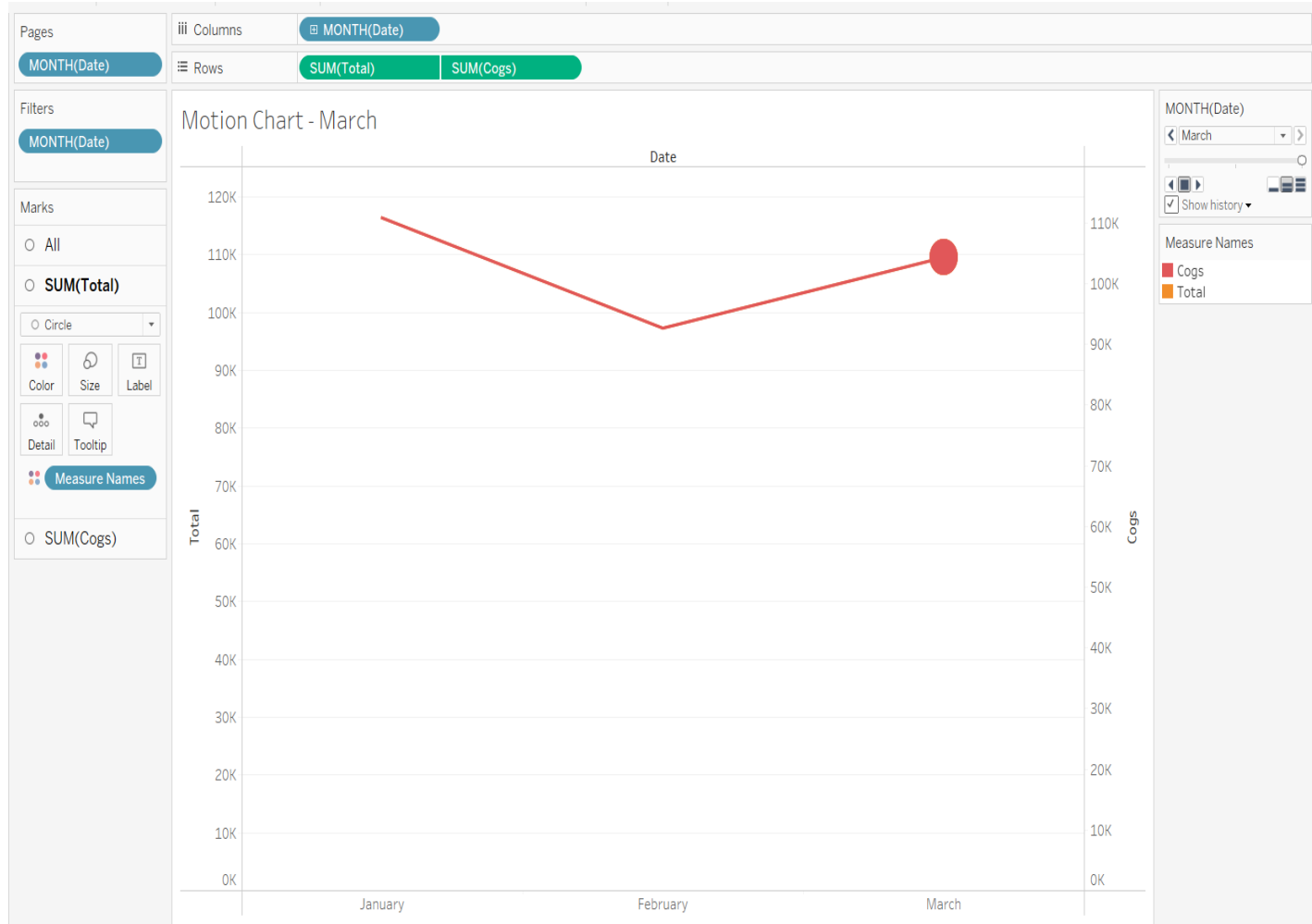
6)Line Chart: -



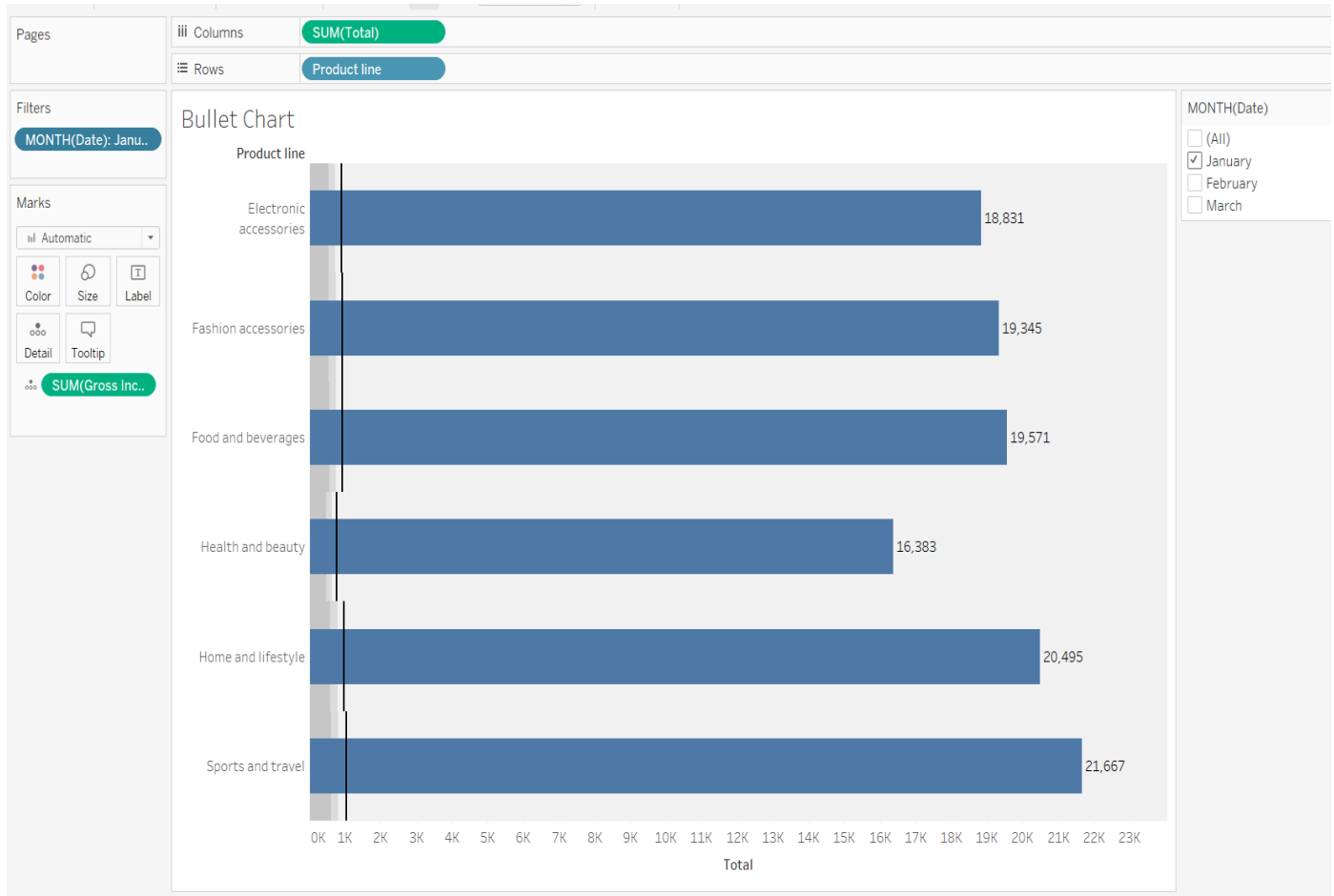
7)Tree Map: -



8) Motion Chart: -



9)Bullet Chart: -



10)Scatter Plot: -

