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ASSIGNMENT-3

IBM COGNOS WITH DATA ANALYTICS

Upload the dataset to Mysql:

The screenshot shows the 'Configure Import Settings' dialog for IBM Cognos. The 'Detected file format: csv' section indicates the encoding is 'utf-8'. A list of columns is mapped to field types: Invoice ID (text), Branch (text), City (text), Customer type (text), Gender (text), Product line (text), Unit price (double), Quantity (int), Tax 5% (double), Total (double), and Date (text). Below this is a preview of the data in a table format.

Invoice ID	Branch	City	Customer t...	Gender	Product line	Unit price	Quantity	Tax 5%	Total	Date	Time	Payment	cogs	gross margi...	gr...
750-67-8...	A	Yangon	Member	Female	Health an...	74.69	7	26.1415	548.9715	1/5/2019	13:08	Ewallet	522.83	4.761904...	26
226-31-3...	C	Naypyitaw	Normal	Female	Electronic...	15.28	5	3.82	80.22	3/8/2019	10:29	Cash	76.4	4.761904...	3.
631-41-3...	A	Yangon	Normal	Male	Home an...	46.33	7	16.2155	340.5255	3/3/2019	13:23	Credit card	324.31	4.761904...	16

Buttons at the bottom right include '< Back', 'Next >', and 'Cancel'.

INTEGRATE TABLEAU:

The screenshot shows the Tableau desktop application interface. On the left is the 'Connect' sidebar with options like Tableau Server, To a File (Microsoft Excel, Text file, JSON file, PDF file, Spatial file, Statistical file, More...), To a Server (Microsoft SQL Server, Oracle, Amazon Redshift, MySQL, More...), and Saved Data Sources (Sample - APAC Superstore, Sample - Superstore, World Indicators). The main area has tabs for 'Open' (Book1) and 'Discover'. The 'Discover' tab includes links for Meet Tableau, Get Started, Tour the Tableau Environment, Connect to and Prepare Data, Build Charts and Analyze Data, Learn more..., Resources (Get Tableau Prep, Tableau Blueprint Assessment, Tableau Community Forums, Tableau Accelerators, Blog - Read latest post), and an announcement for Tableau 2023.2. At the bottom, there are 'Accelerators' cards for Superstore, World Indicators, Purchasing, and Retail Sales, each with a 'BUY' button.

DELETE UNNECESSARY COLUMNS

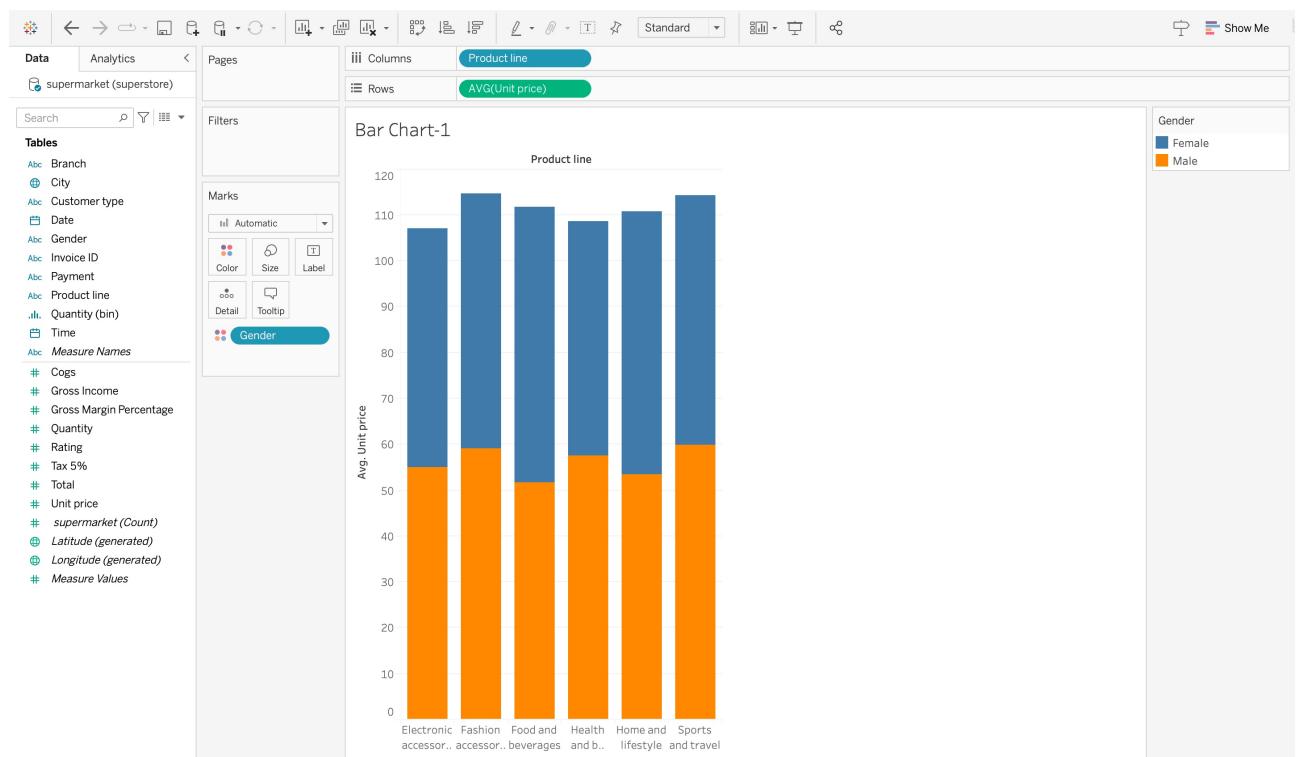
The screenshot shows a MySQL query editor window titled "Query 1" with the schema "supermarket - Schema". The script contains the following SQL commands:

```
1 use supermarket;
2 select * from supermarketdata;
3 select `Invoice ID`, `Product line` from supermarketdata;
4 alter table supermarketdata add revenue double;
5 update supermarket set revenue = (Rating-cogs);
```

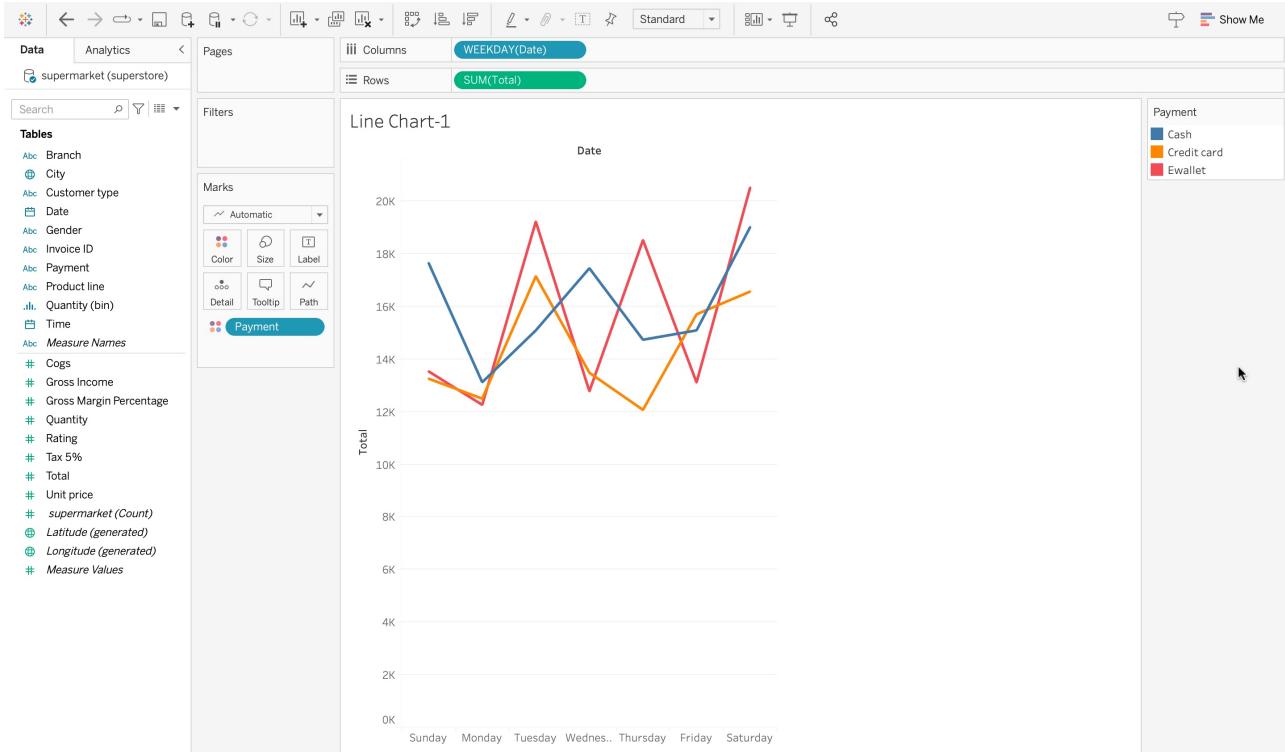
Below the script is a "Result Grid" showing the output of the third command. The grid has two columns: "Invoice ID" and "Product line". The data includes rows such as 750-67-8428 (Health and beauty), 226-31-3081 (Electronic accessories), 631-41-3108 (Home and lifestyle), 123-19-1176 (Health and beauty), 373-73-7910 (Sports and travel), etc.

VISUALIZATION OF DATA SET:

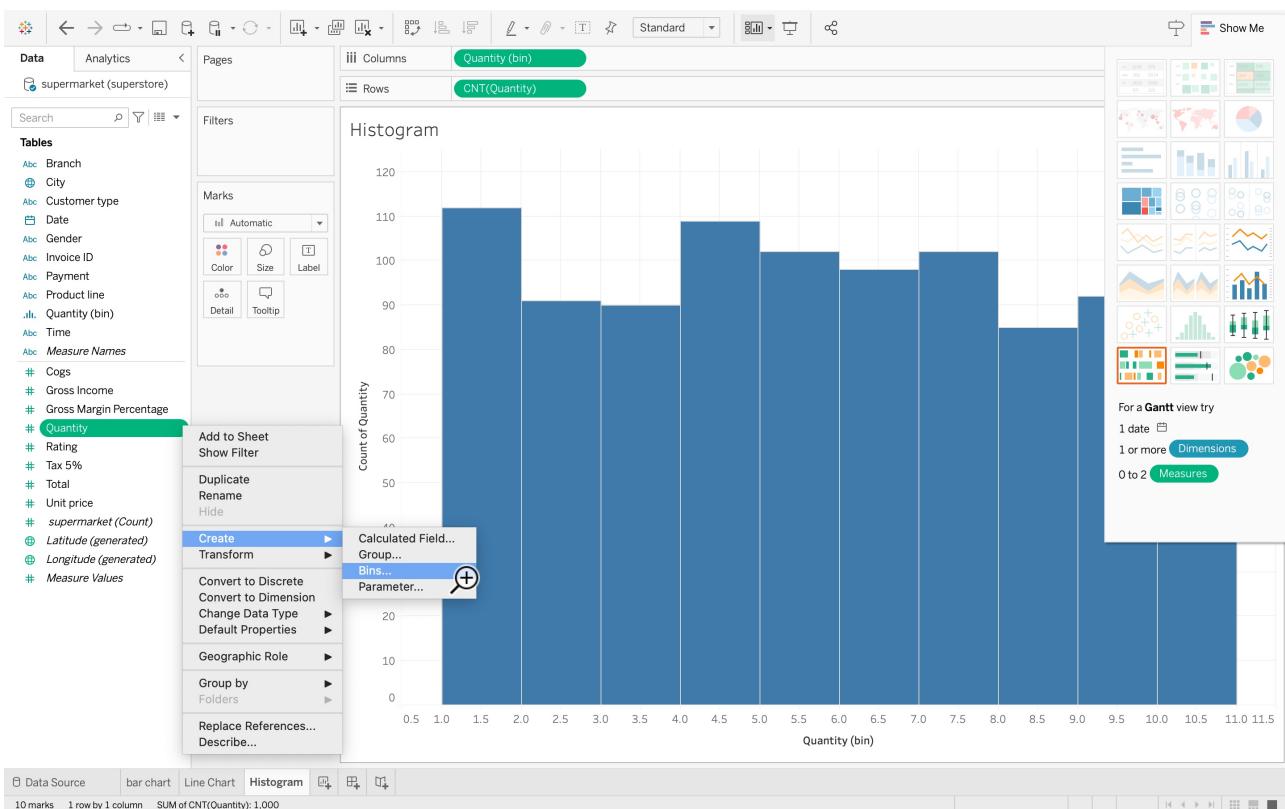
Bar Chart:



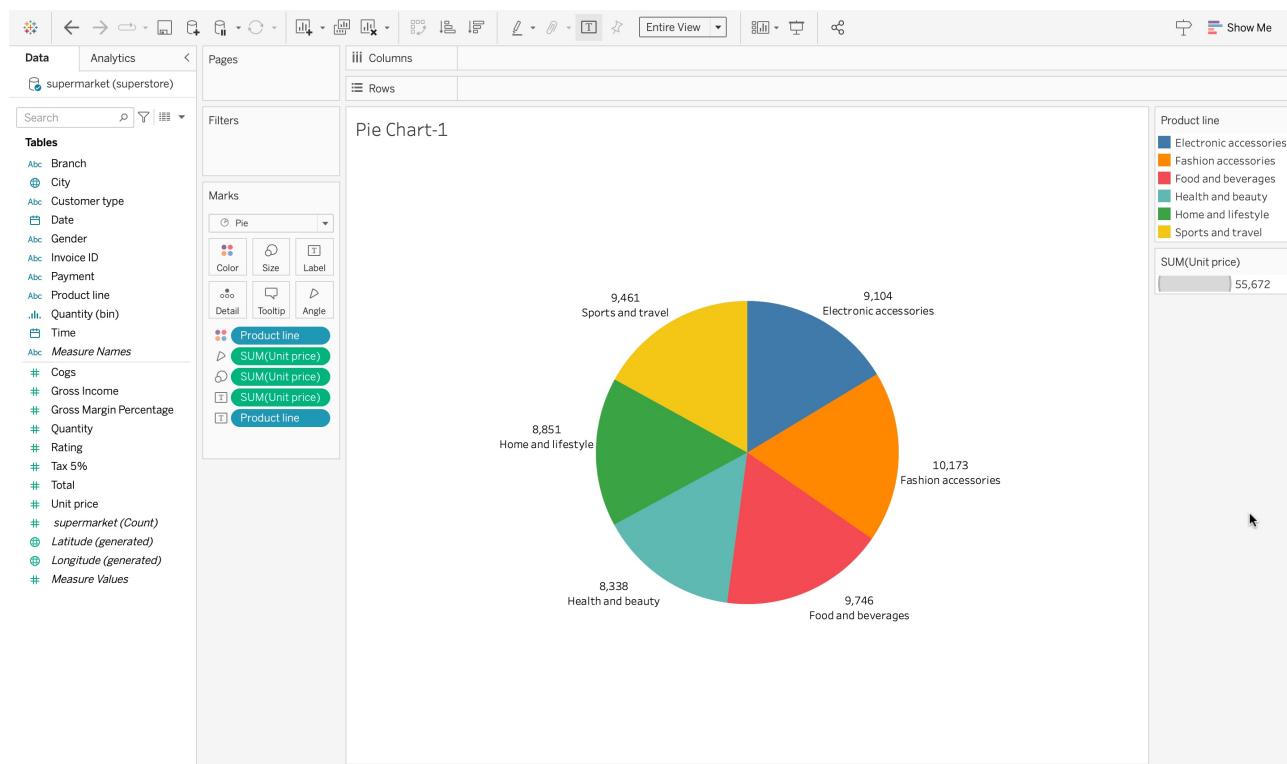
Line Chart:



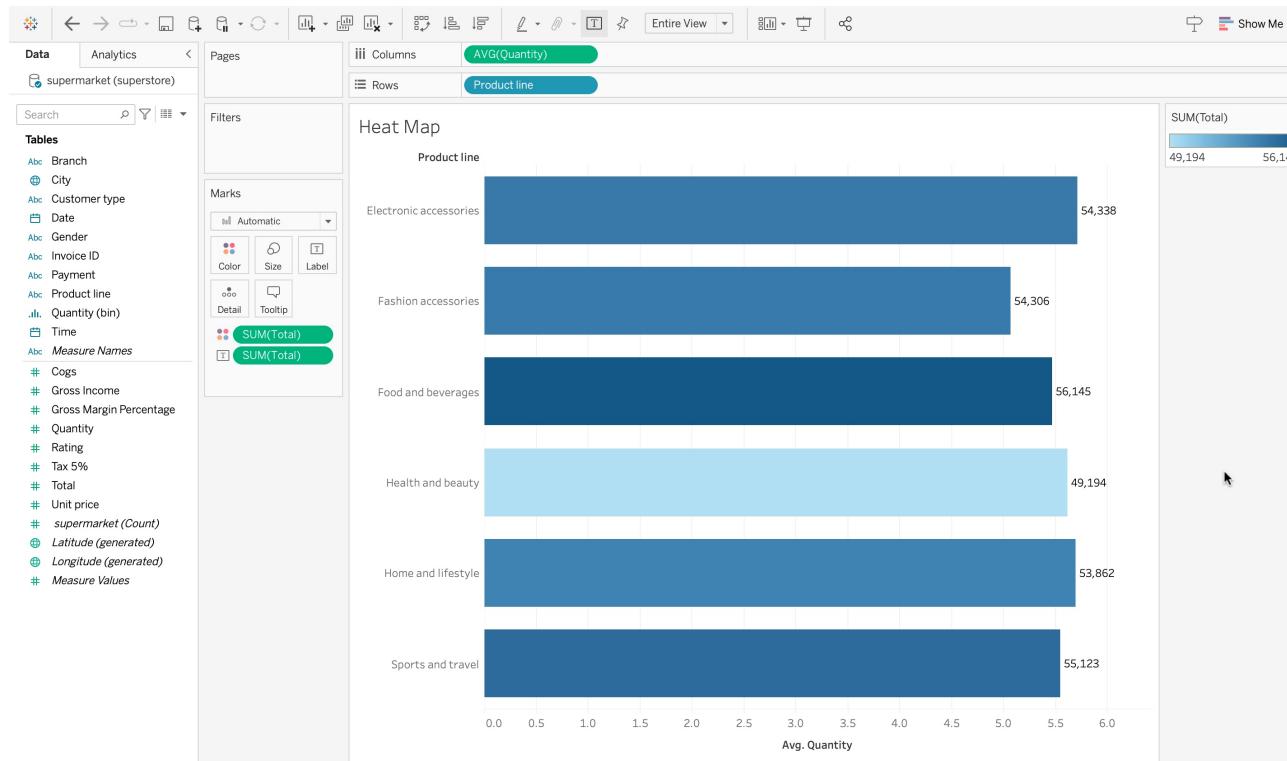
Histogram:



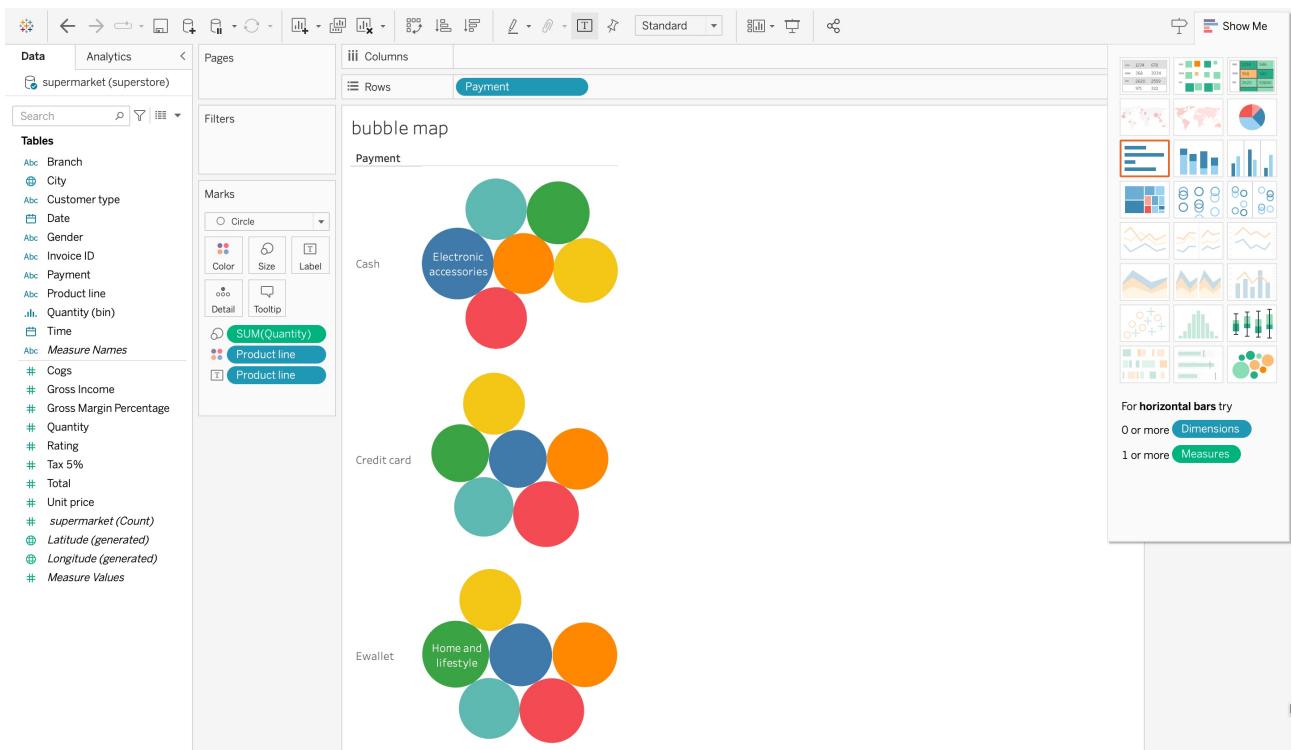
Pie chart:



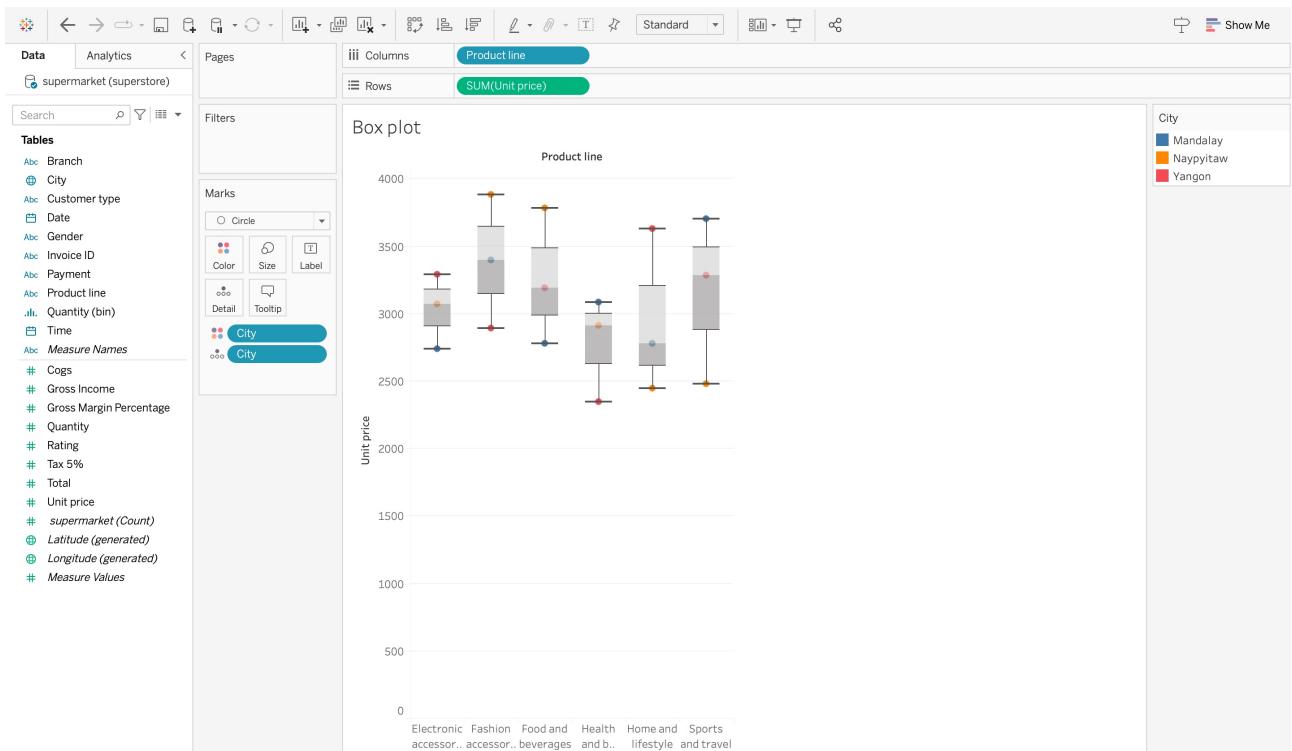
Heat Map:



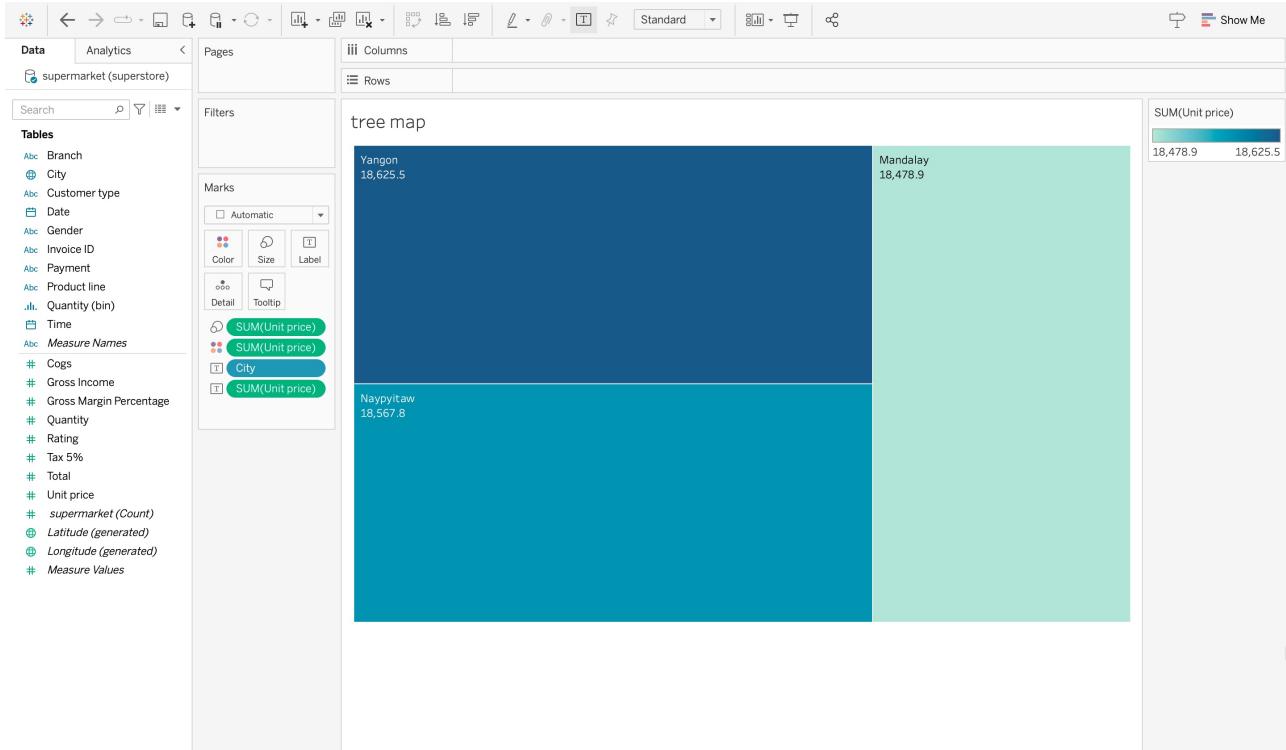
Bubble Chart:



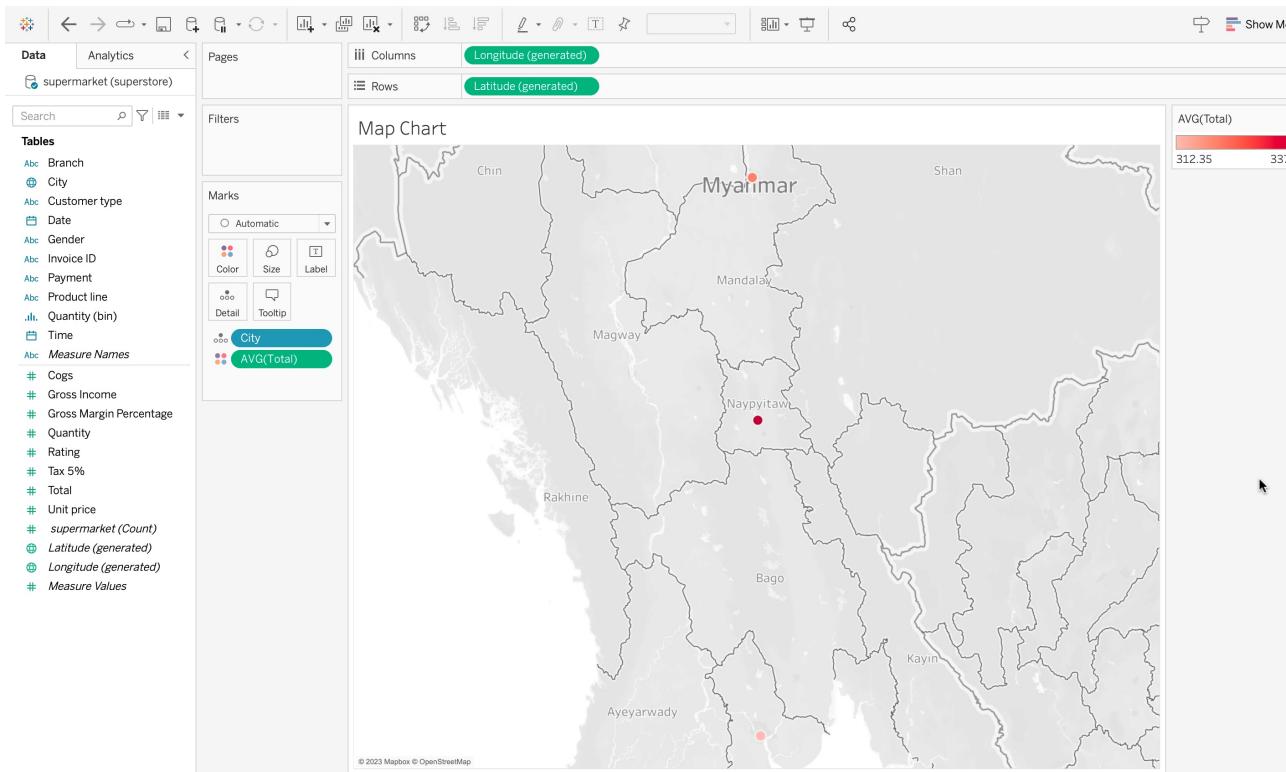
Box plot:



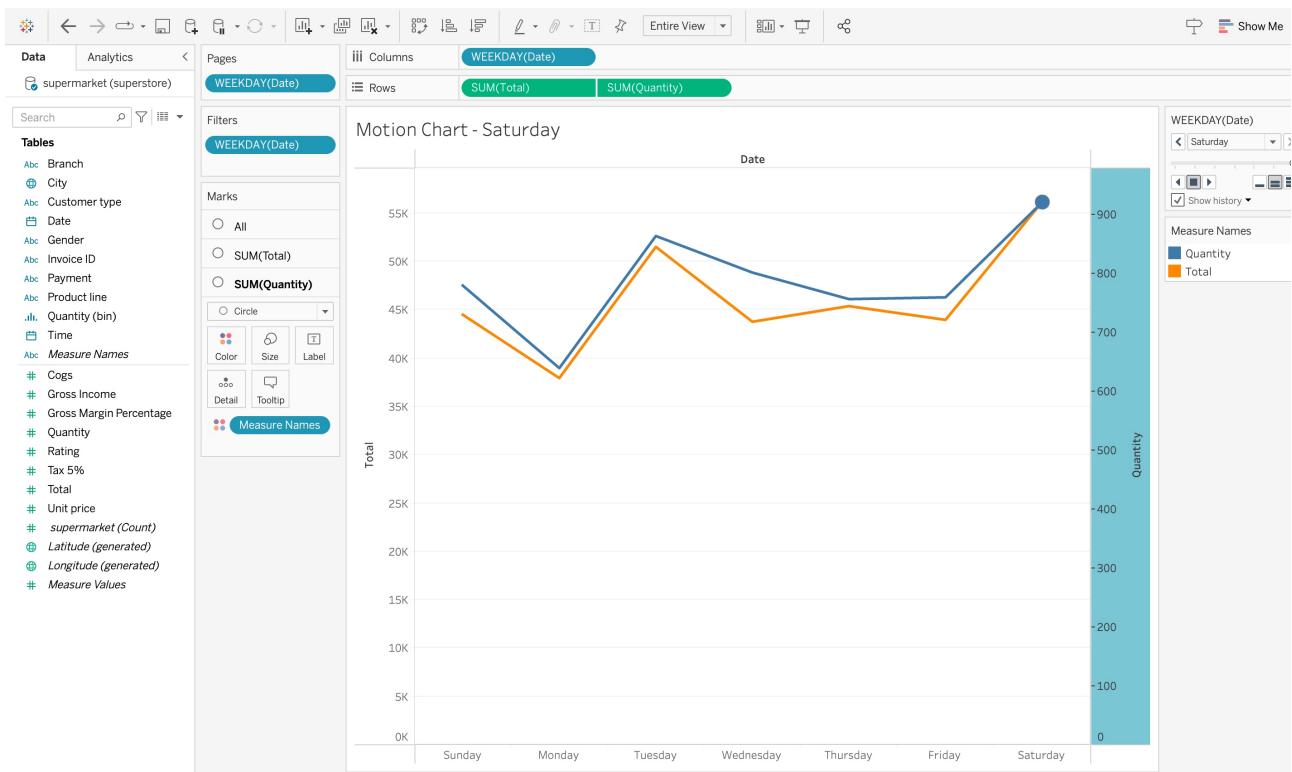
Tree Map:



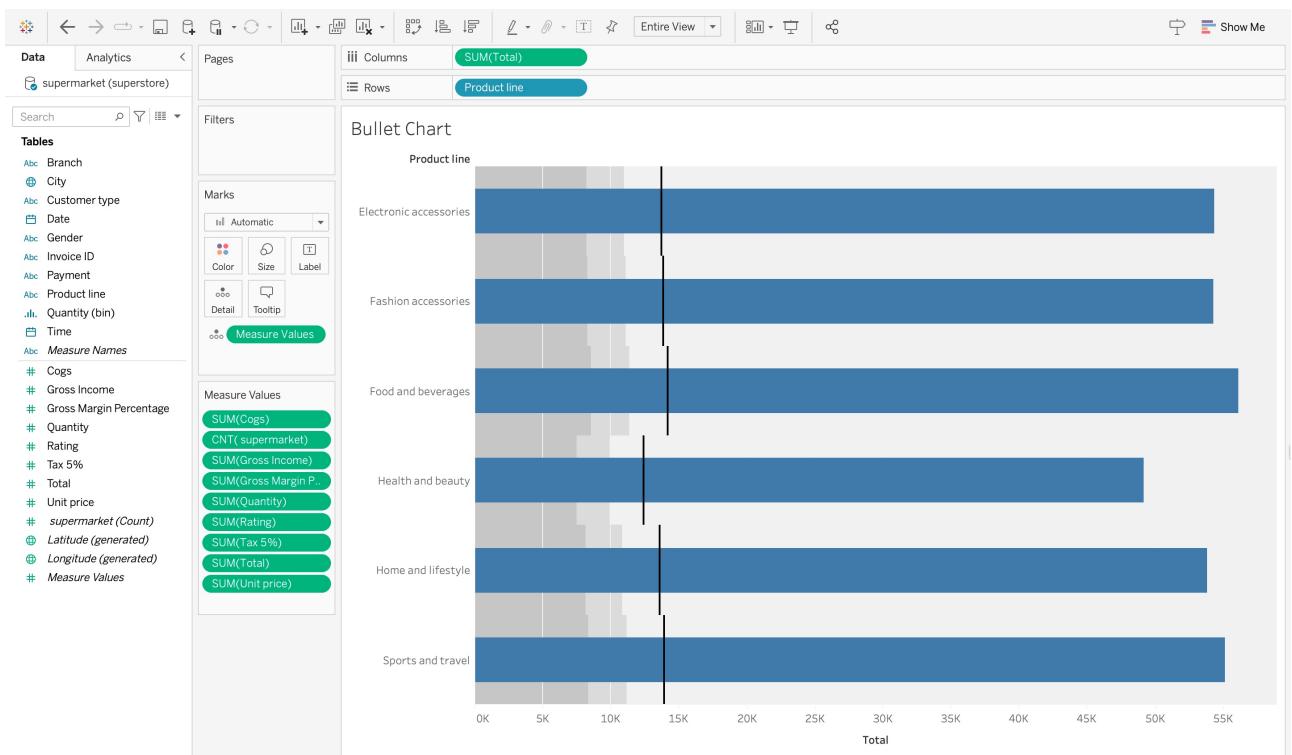
Map Chart:



MOTION CHART:



Bullet Chart:



Scatter Plot:

