

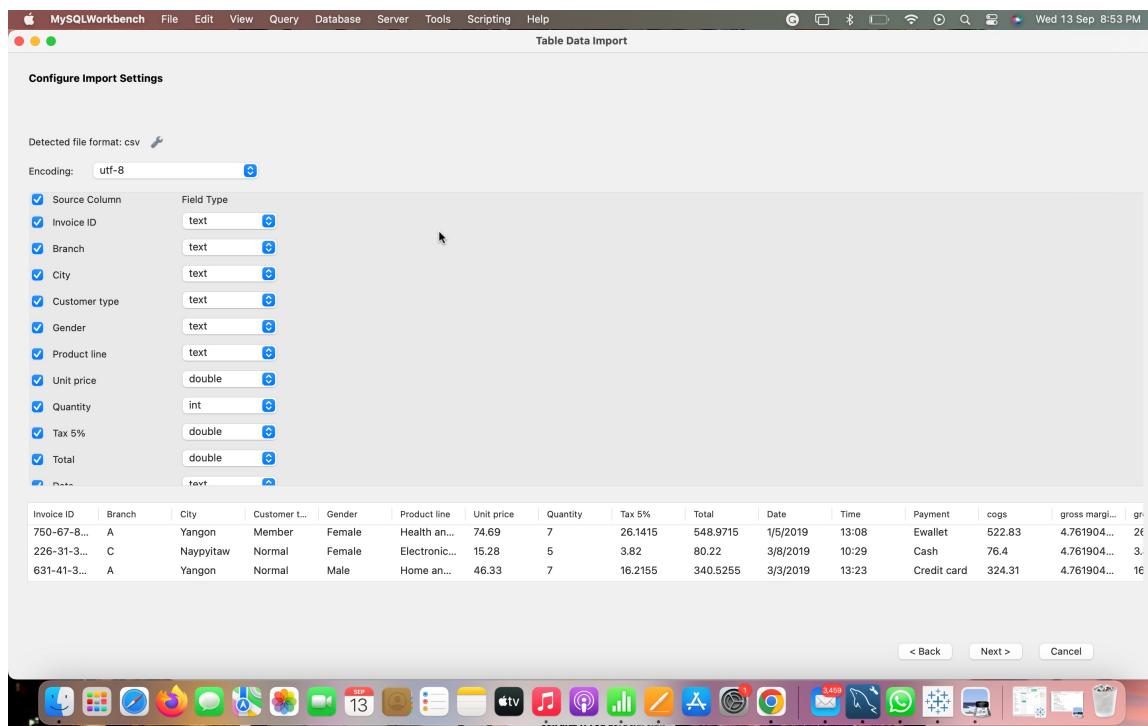
NAME: K.LAKSHMI TULASI

REGNO:21BCE8033

ASSIGNMENT-3

DATA ANALYTICS WITH IBM COGNOS

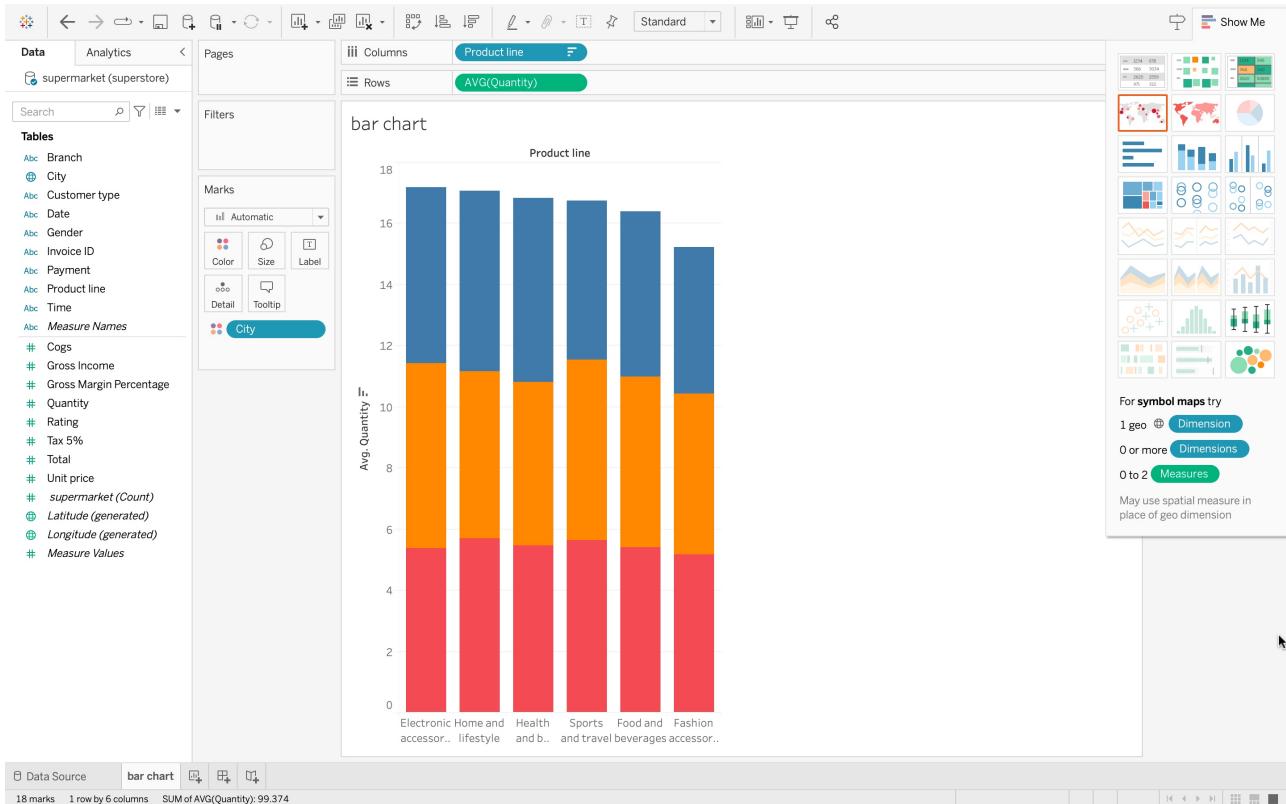
UPLOAD THE DATASET TO MYSQL:



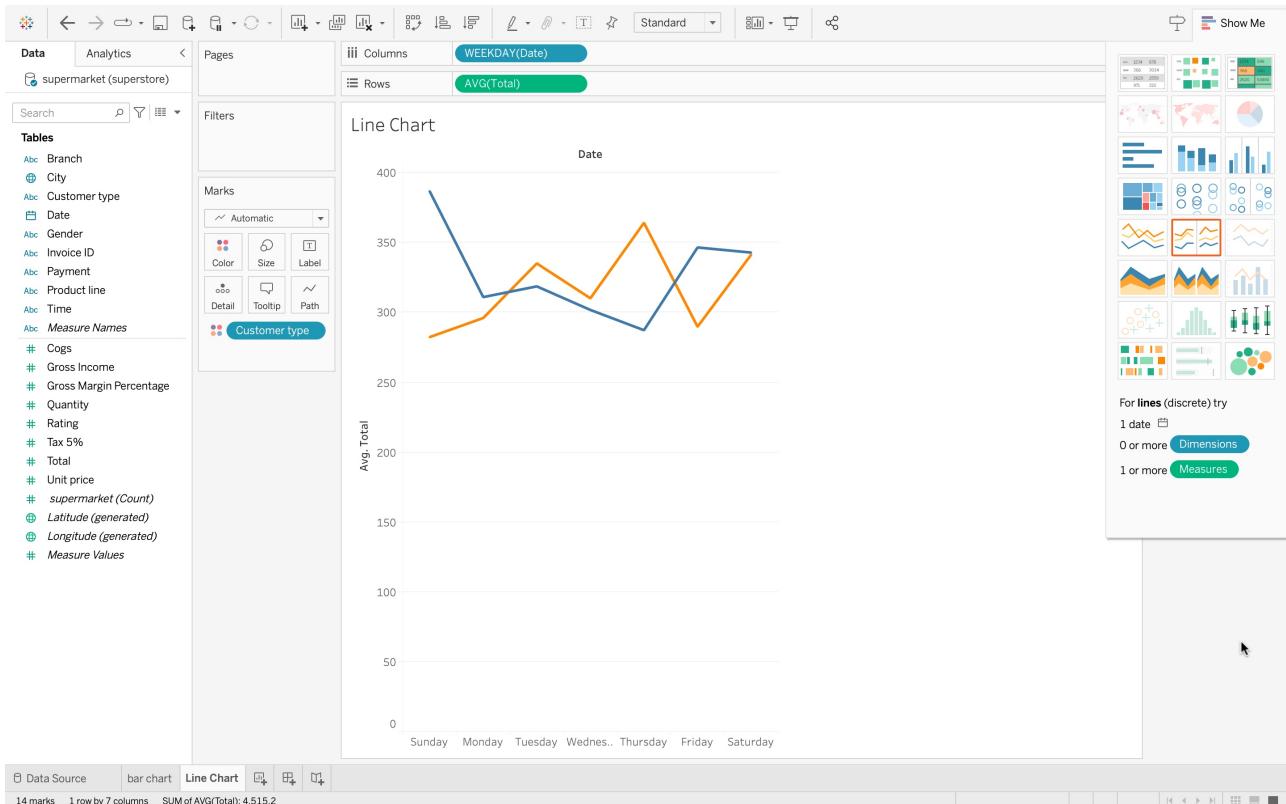
INTEGRATE TABLEAU:

The screenshot shows the Tableau desktop application. On the left, the 'Connect' sidebar lists options like Tableau Server, Microsoft Excel, and MySQL. The main workspace has an 'Open' section with a MySQL connection dialog for the 'superstore' database, showing fields for Server (localhost), Port (3306), Database (superstore), Username (root), and Password (redacted). Below the connection dialog are four Accelerator cards: 'World Indicators' (with a 'BUY' button), 'Purchasing', and 'Retail Sales'. To the right, the 'Discover' sidebar features links to 'Meet Tableau', 'Get Started', and 'Tour the Tableau Environment'. It also includes a 'Resources' section with links to 'Get Tableau Prep', 'Tableau Blueprint Assessment', 'Tableau Community Forums', 'Tableau Accelerators', and a 'Blog - Read latest post'. A large promotional banner at the bottom right highlights 'Tableau 2023.2 available now'.

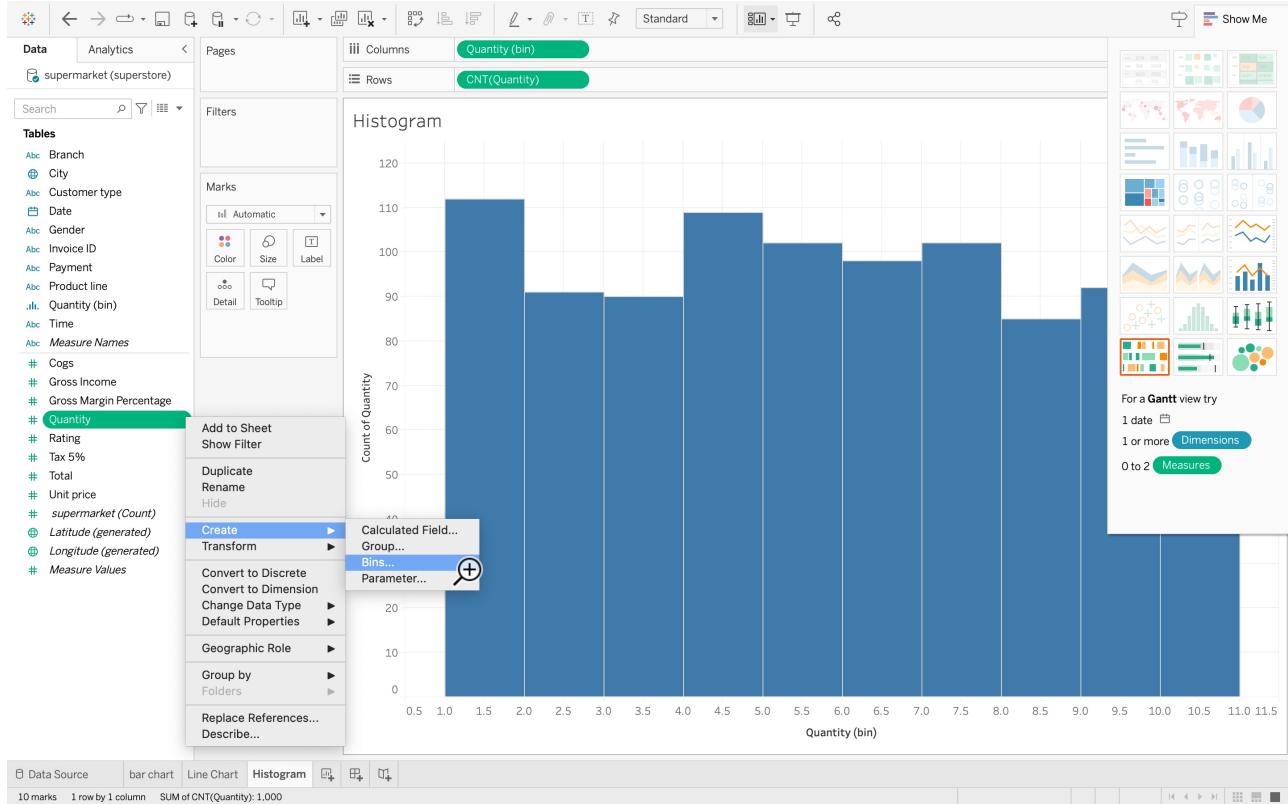
VISUALIZE THE DATASET USING TABLEAU: BAR CHART:



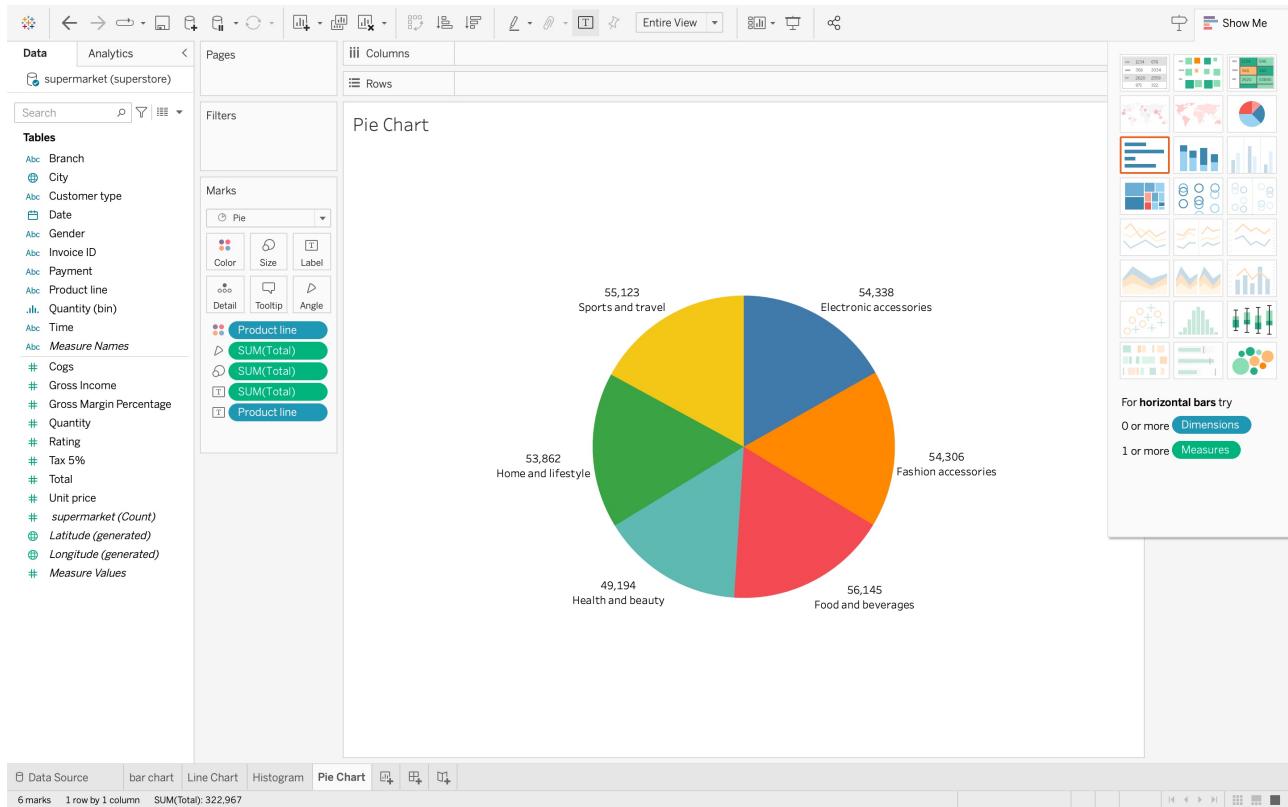
LINE CHART:



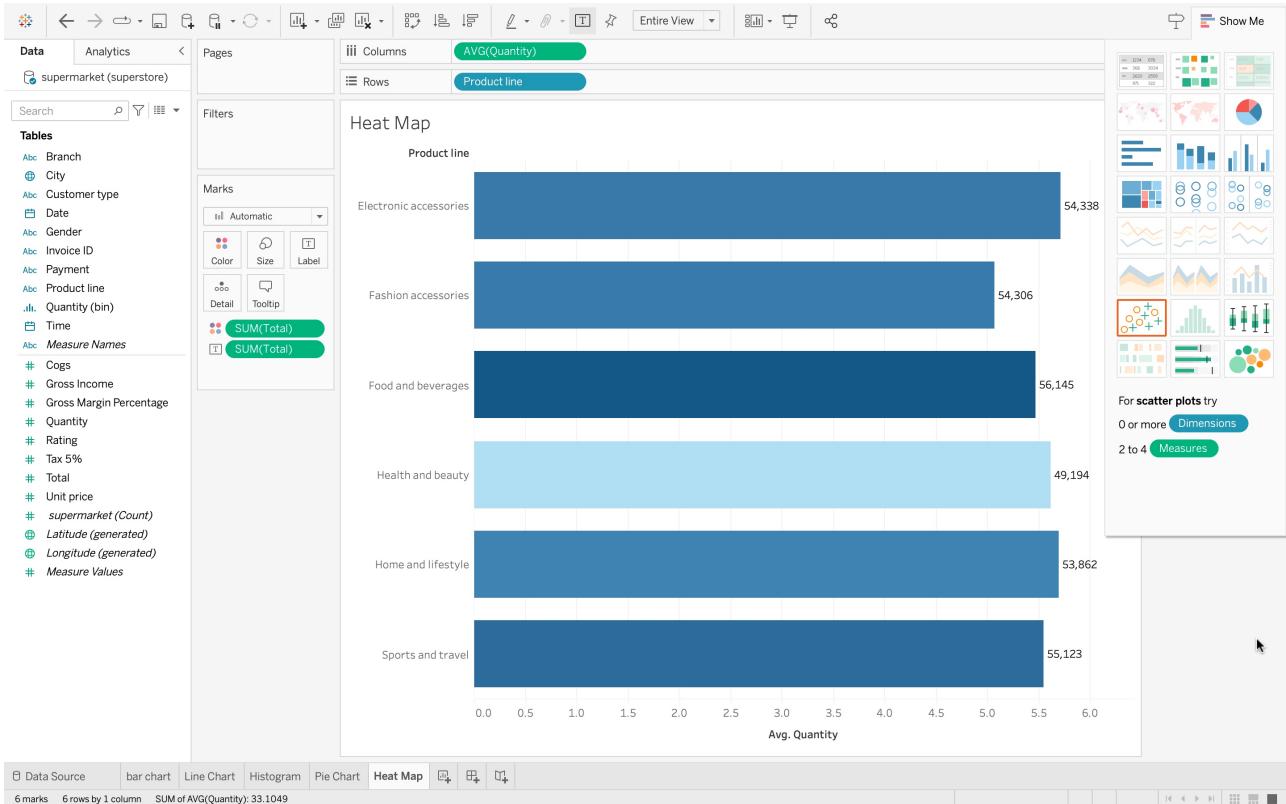
HISTOGRAM:



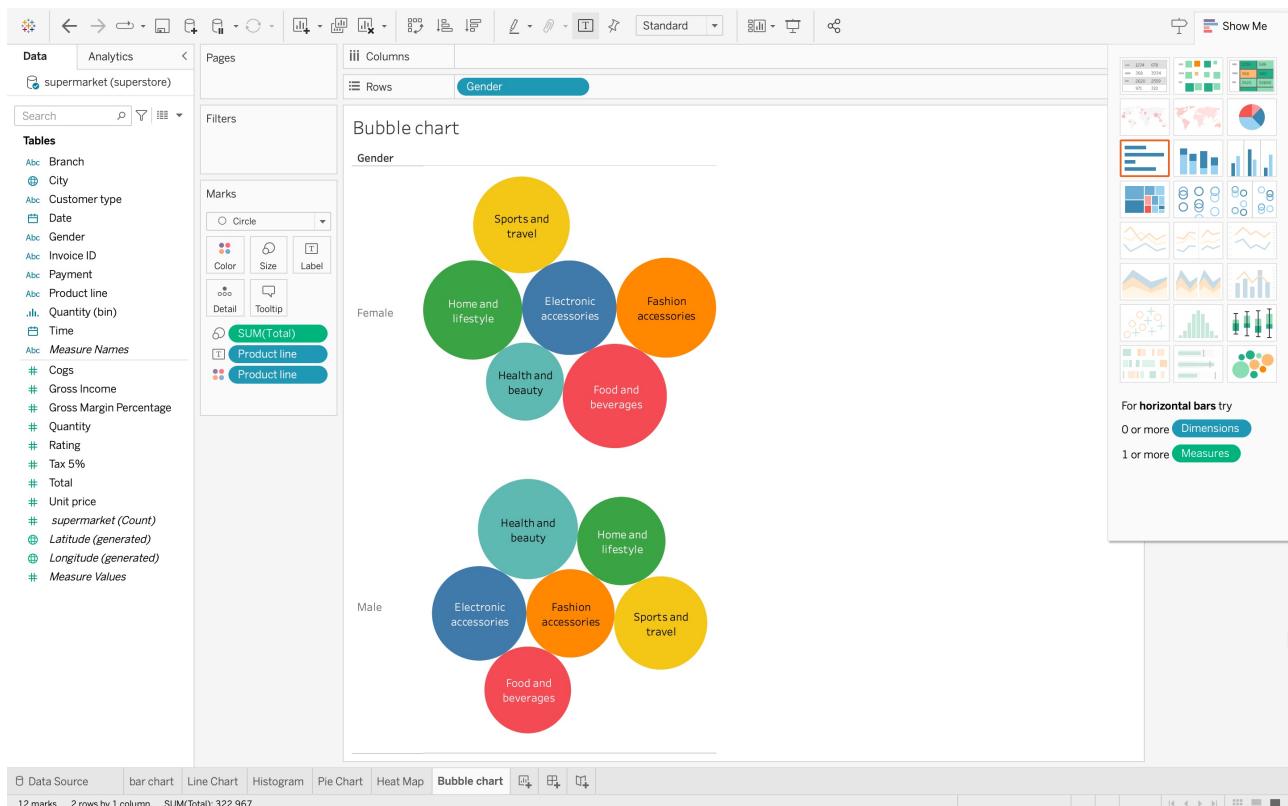
PIE CHART:



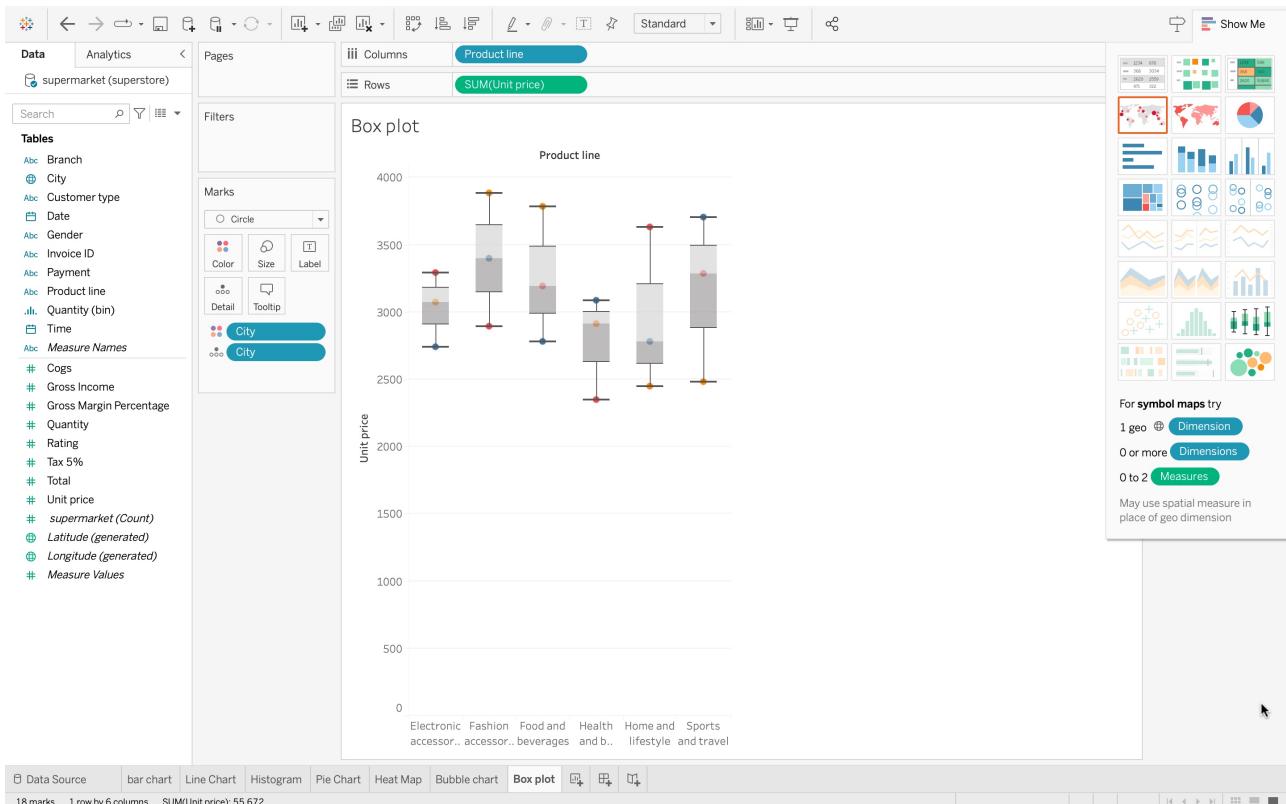
HEAT MAP:



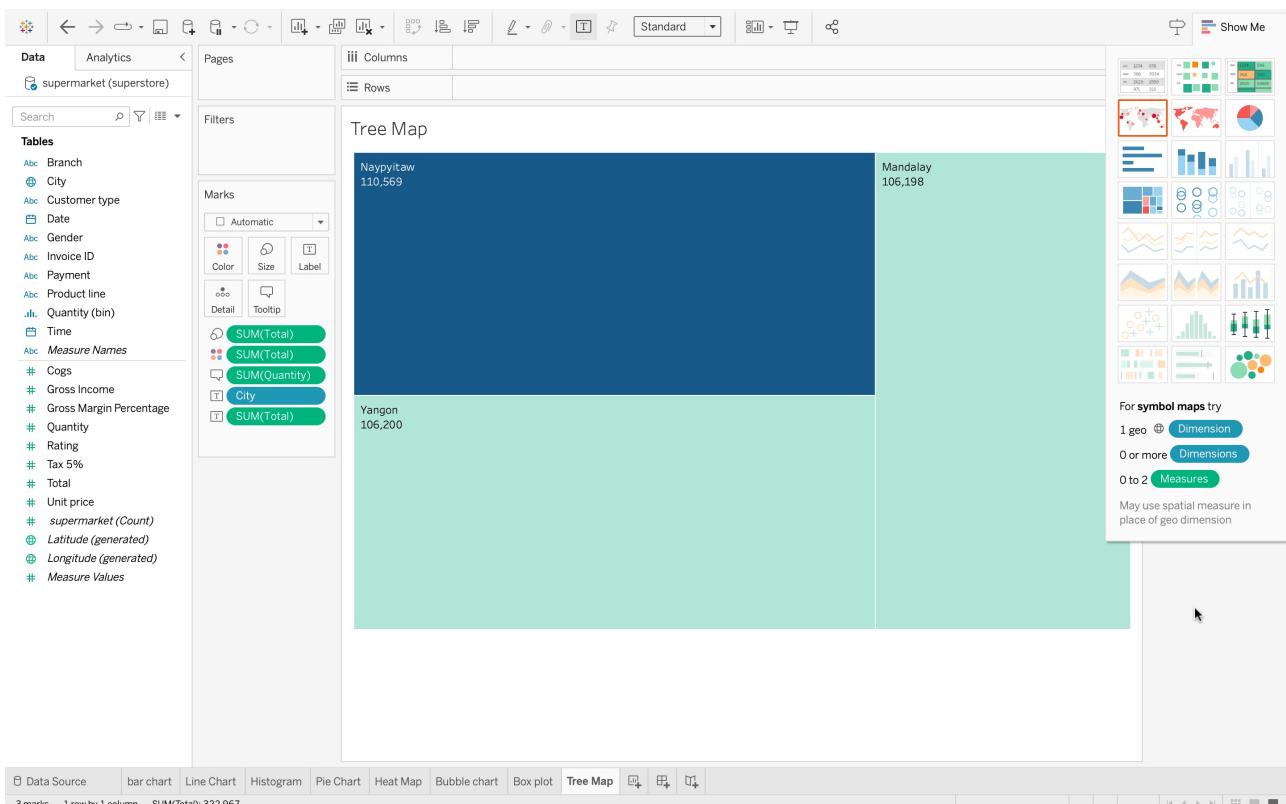
BUBBLE CHART:



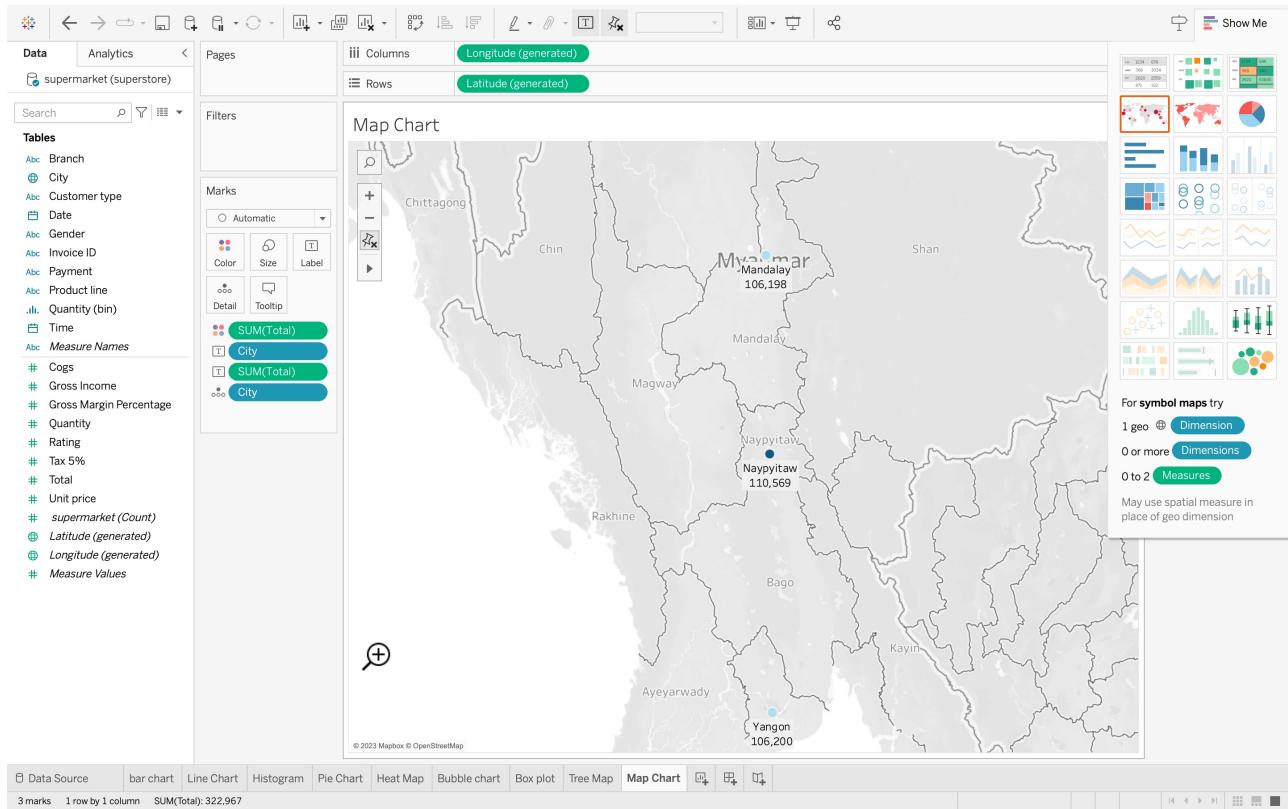
BOX PLOT:



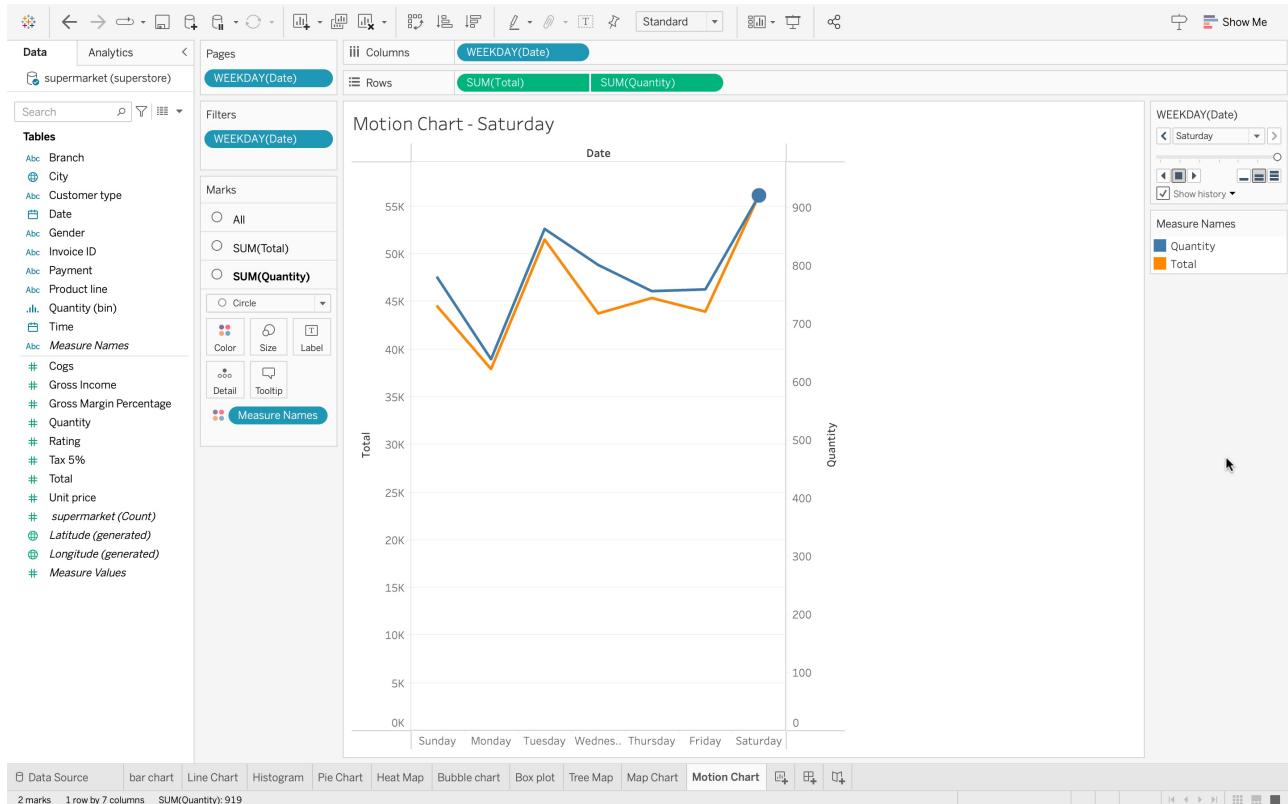
TREE MAP:



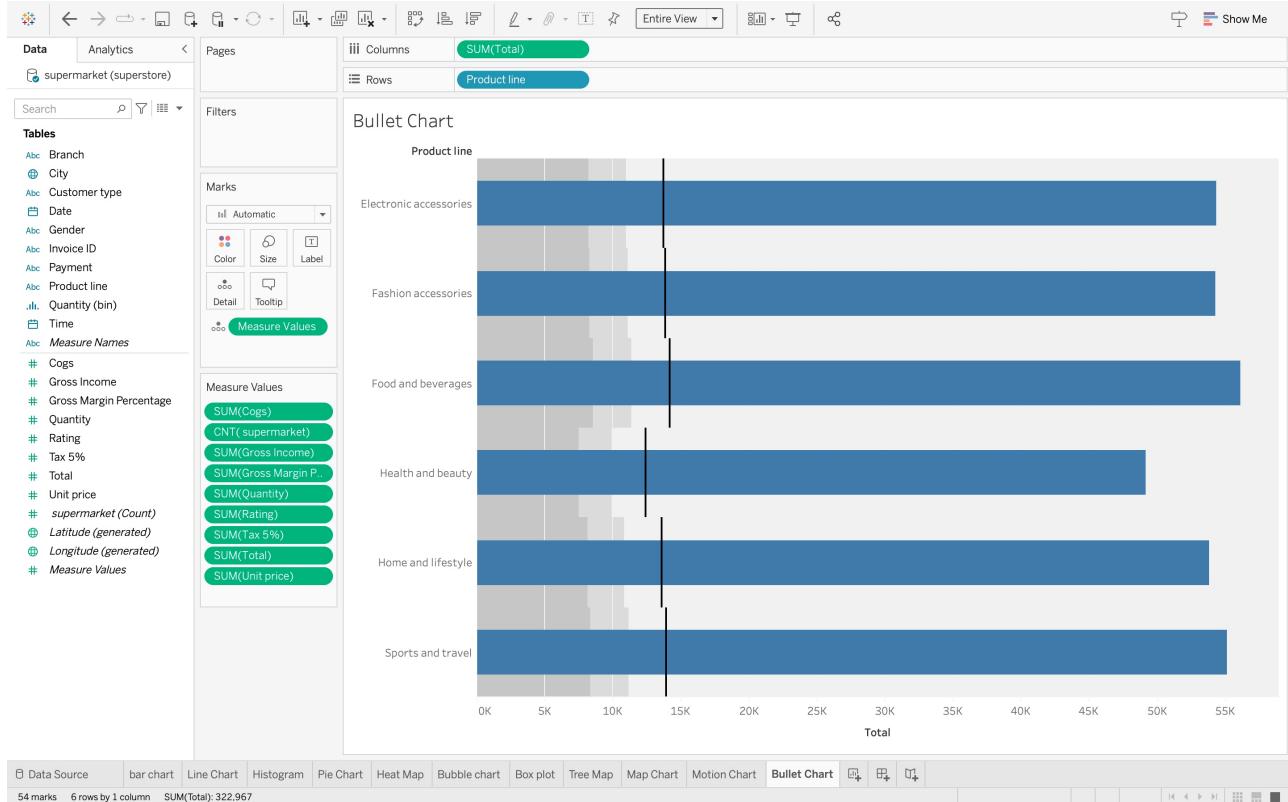
MAP CHART:



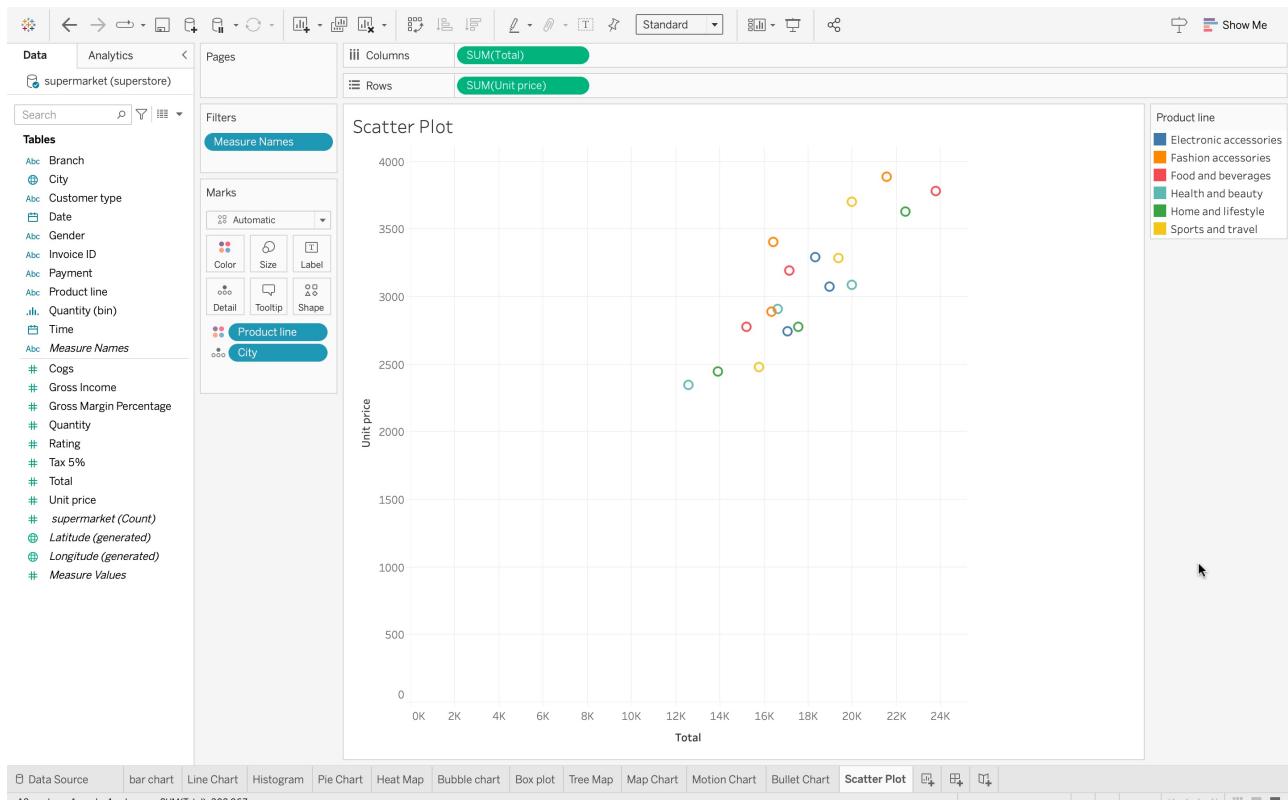
MOTION CHART:



BULLET CHART:



SCATTER PLOT:



REMOVING UNNECESSARY COLUMNS:

The screenshot shows the MySQL Workbench environment. On the left, the Schema browser displays the 'supermarketdata' table with its columns: Invoice ID, Branch, City, Customer type, Product line, Unit price, Quantity, Tax 5%, Total, Date, Time, and Payment. The 'Product line' column is highlighted. In the center, the Query Editor contains the following SQL code:

```
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);
```

The Result Grid shows the output of the query in step 3, listing various invoice IDs and their corresponding product lines. On the right, a sidebar provides options for Result Grid, Form Editor, and Field Types.