

DATA ANALYTICS ASSIGNMENT - 03

DATA ANALYTICS WITH IBM COGNOS ANALYTICS

DATE : 16 - 09 - 2023

SOFTWARE USED : TABLEAU (SALESFORCE)

SUBMITTED BY:

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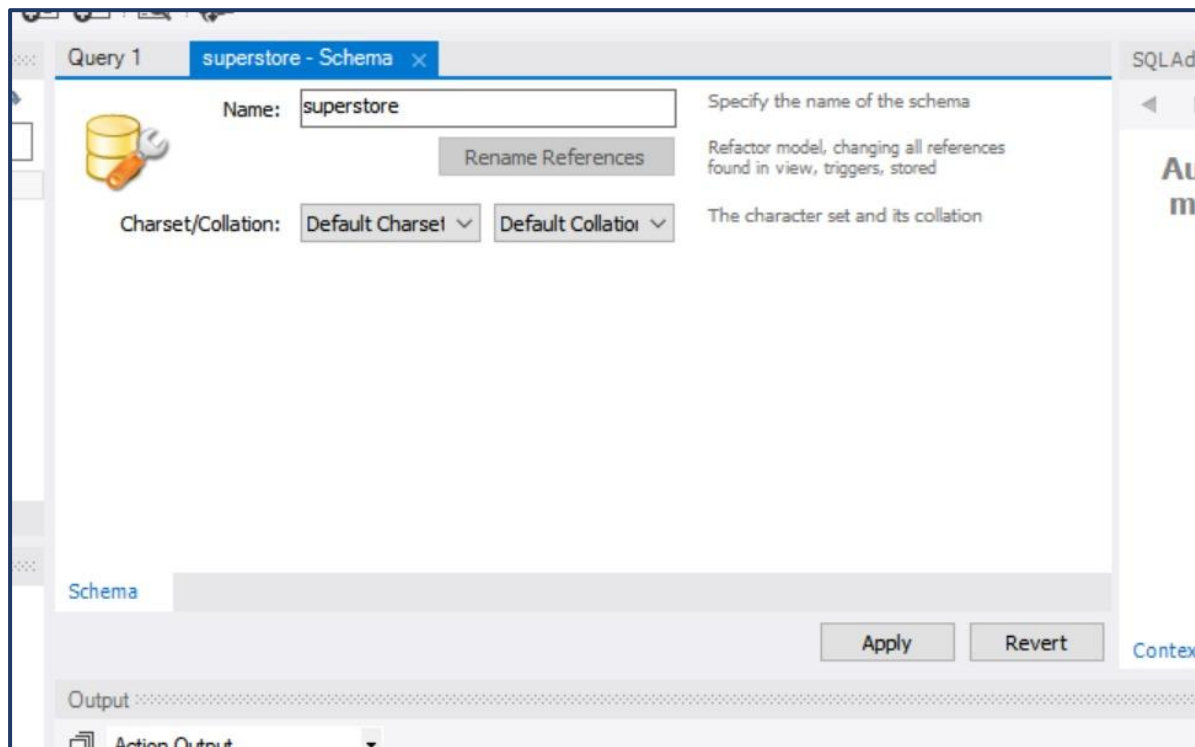
❖ Objective:

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

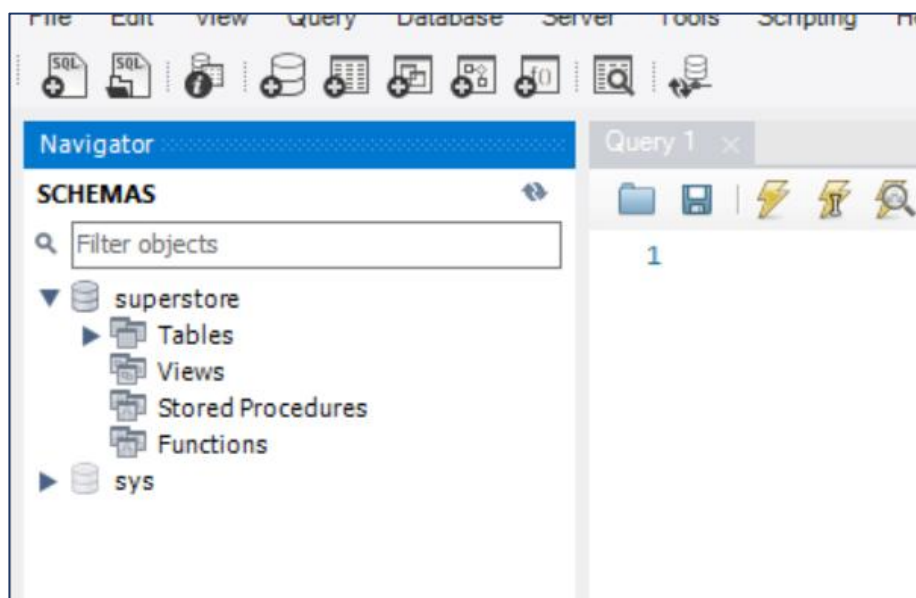
➤ Uploading dataset to Mysql:

Given dataset: [supermarket_sales - Sheet1]

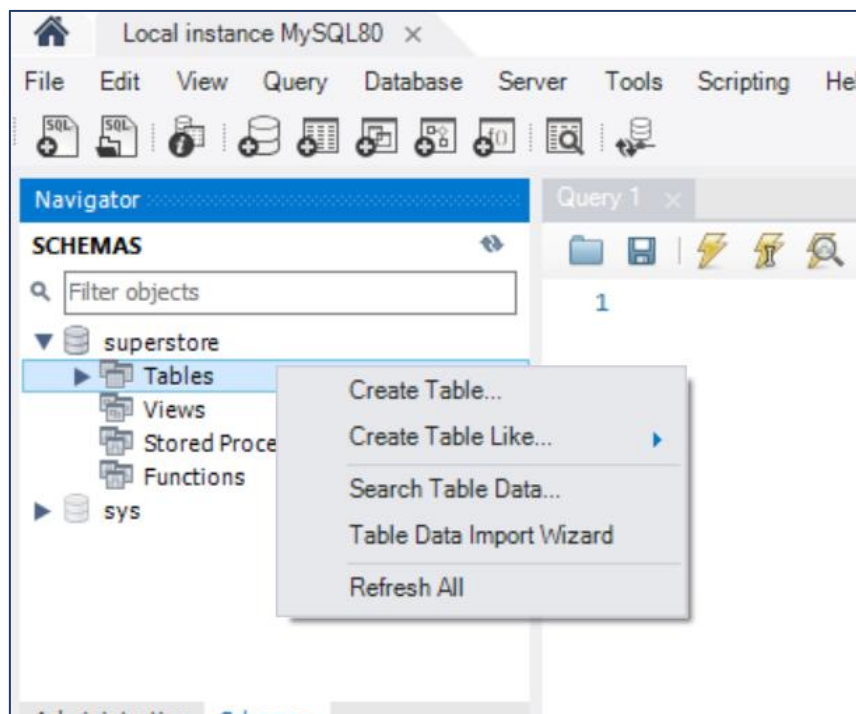
Creating a database named as **superstore**.



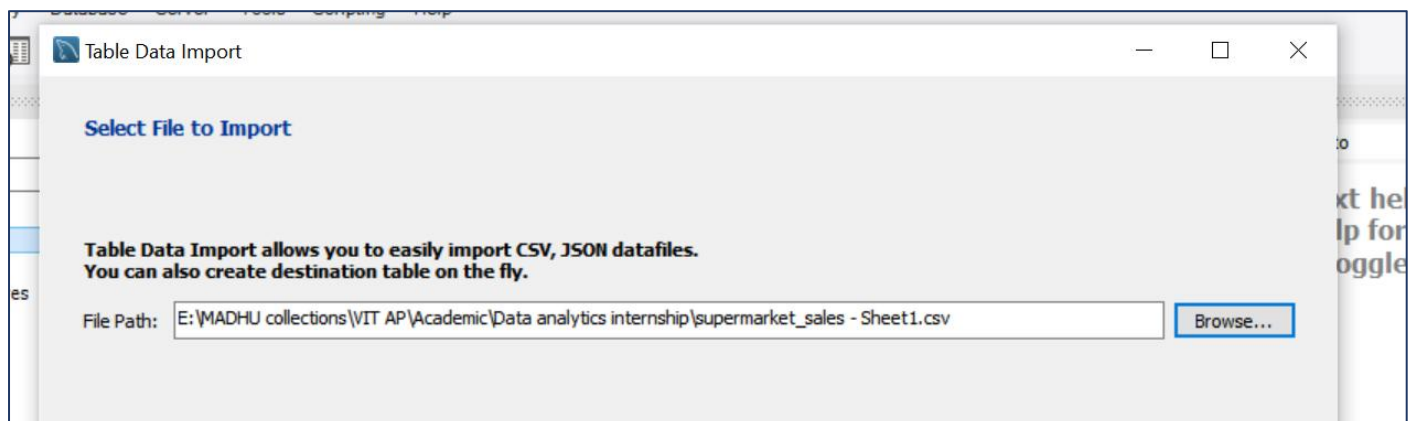
Inserting given **dataset** into superstore database.



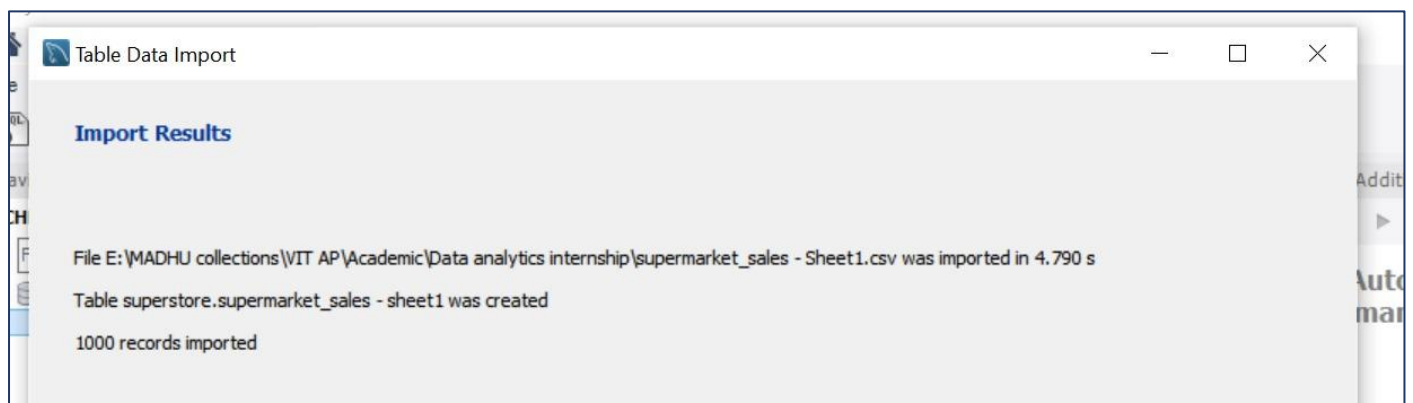
Inserting dataset in tables using **Table data import wizard**.



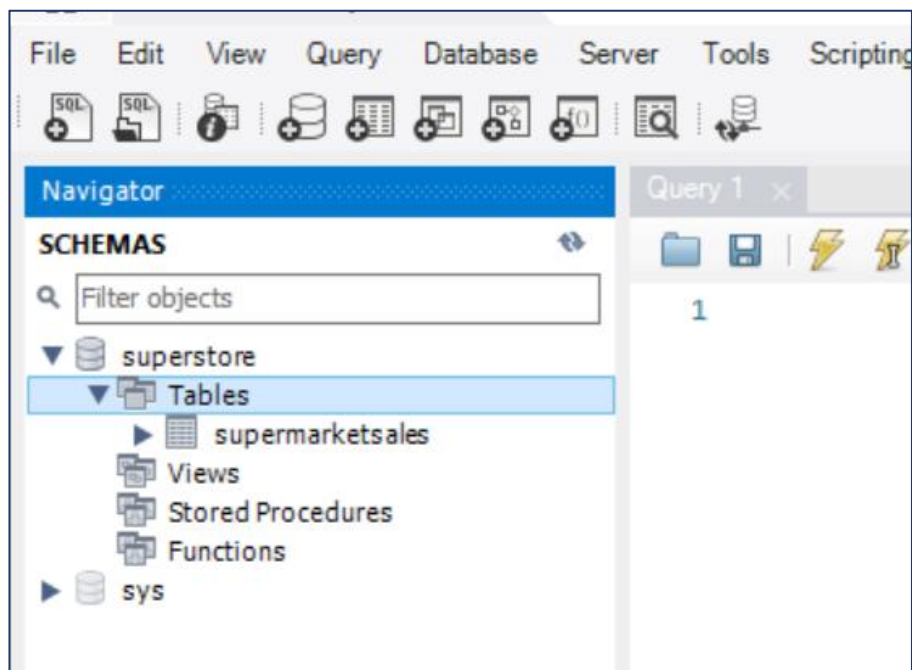
Selecting **file**.



Mysql **imports** dataset.



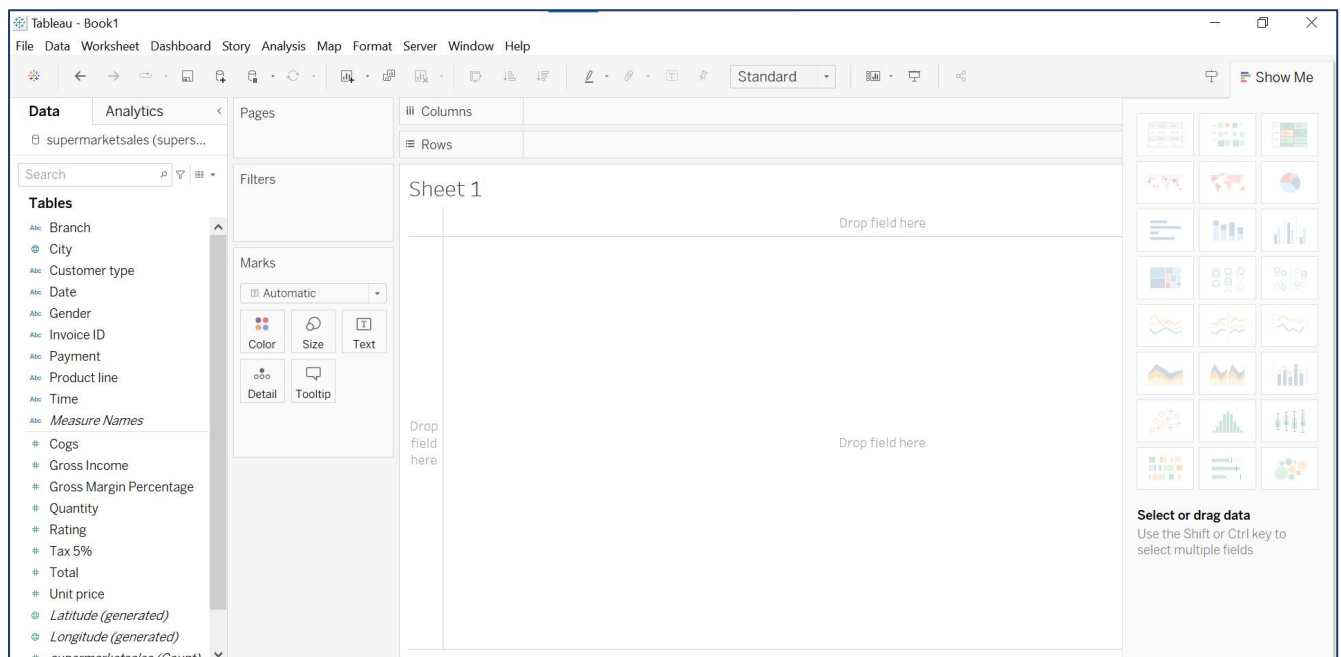
Now, the dataset is **imported**.



➤ **Integrating with Tableau:** Connecting mysql to **tableau** software.

A screenshot of the 'MySQL' connection configuration window in Tableau. The window has a title bar with 'MySQL' and a close button. It has two tabs: 'General' (selected) and 'Initial SQL'. The 'General' tab contains several input fields: 'Server' with the value 'localhost', 'Port' with the value '3306', 'Database' with the value 'superdata', 'Username' with the value 'root', and 'Password' with a masked value '.....'. There is a checkbox labeled 'Require SSL' which is currently unchecked. At the bottom right, there is a blue button labeled 'Sign In'.

After this, the **worksheet** is created.

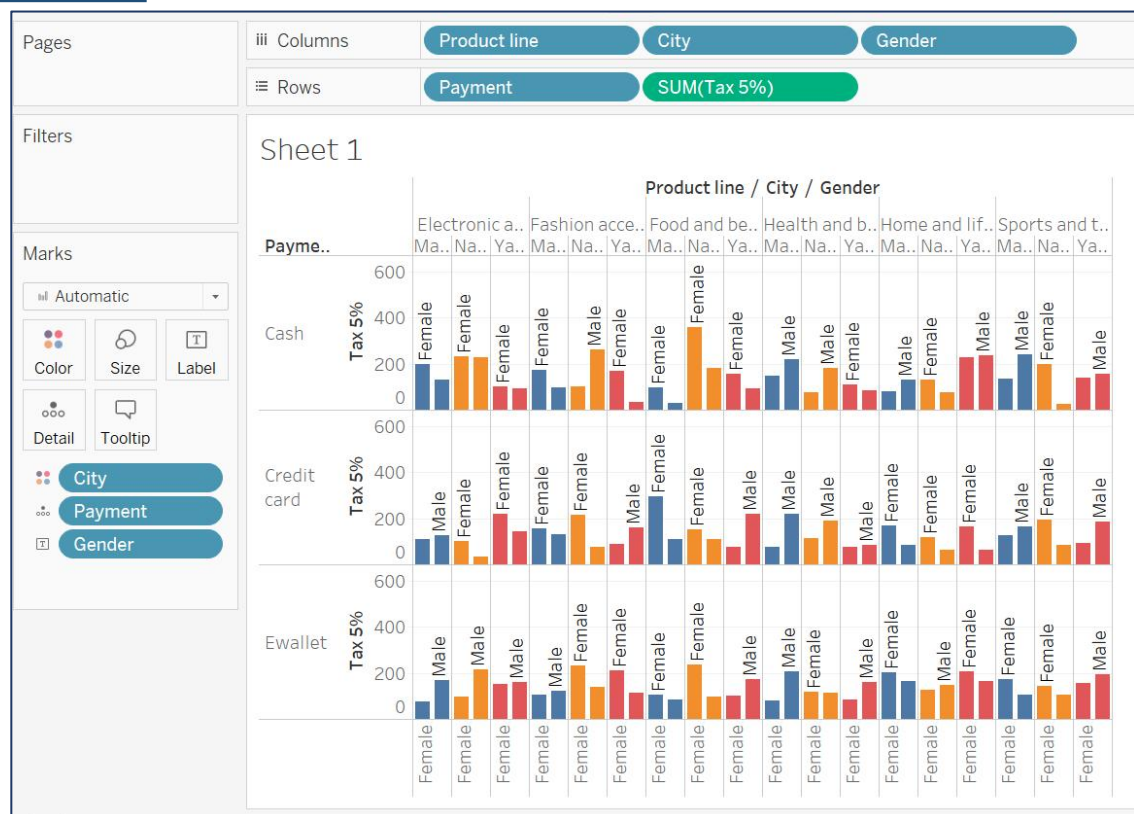


➤ Deleting unnecessary columns:

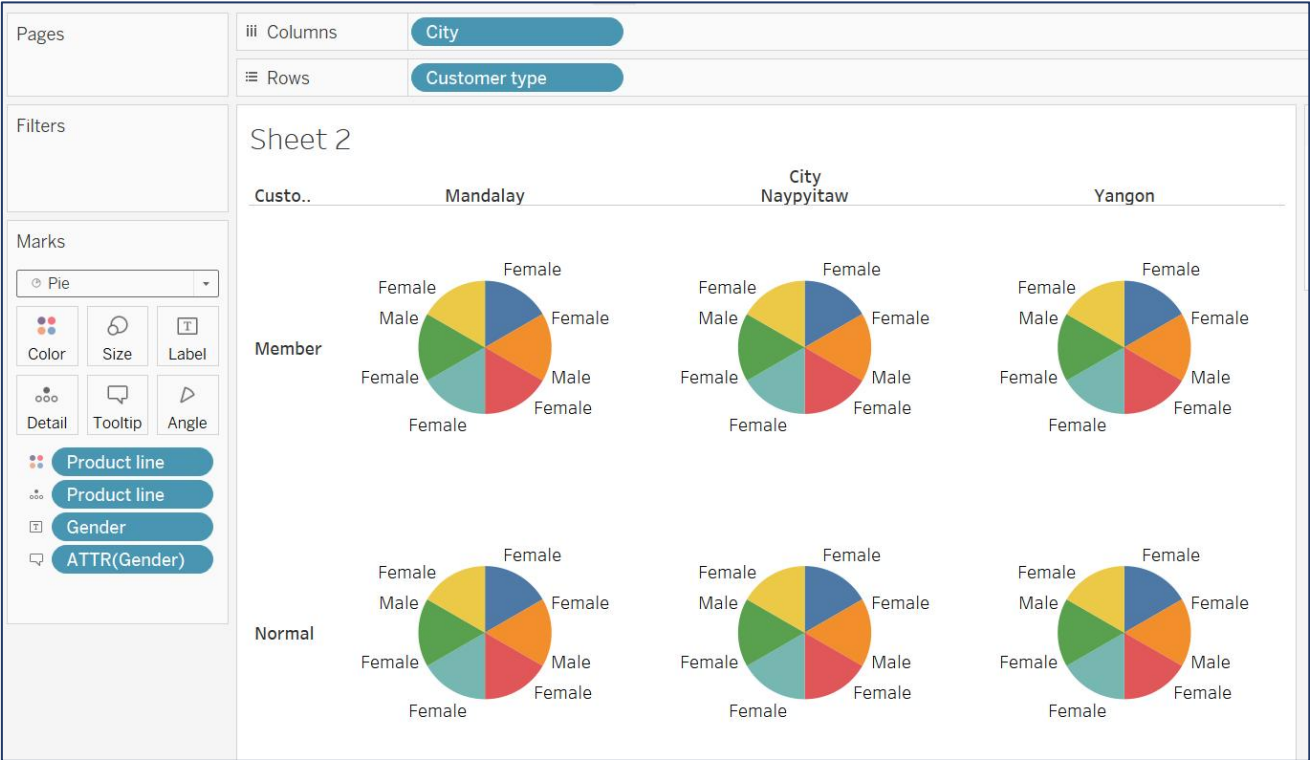
As all the columns are **required**, we are not deleting any column.

➤ Exploring and visualizing the dataset using Tableau:

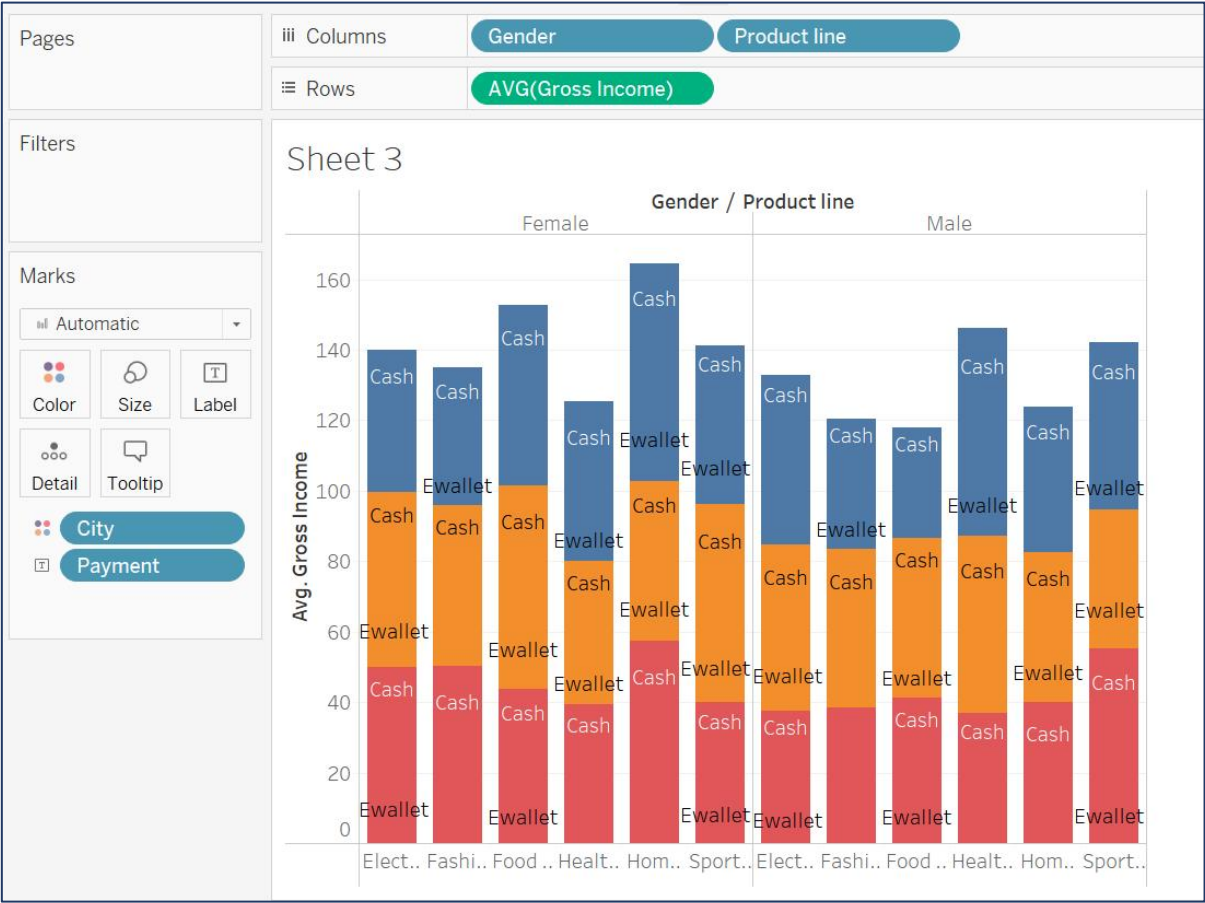
➤ 1) Bar Chart:



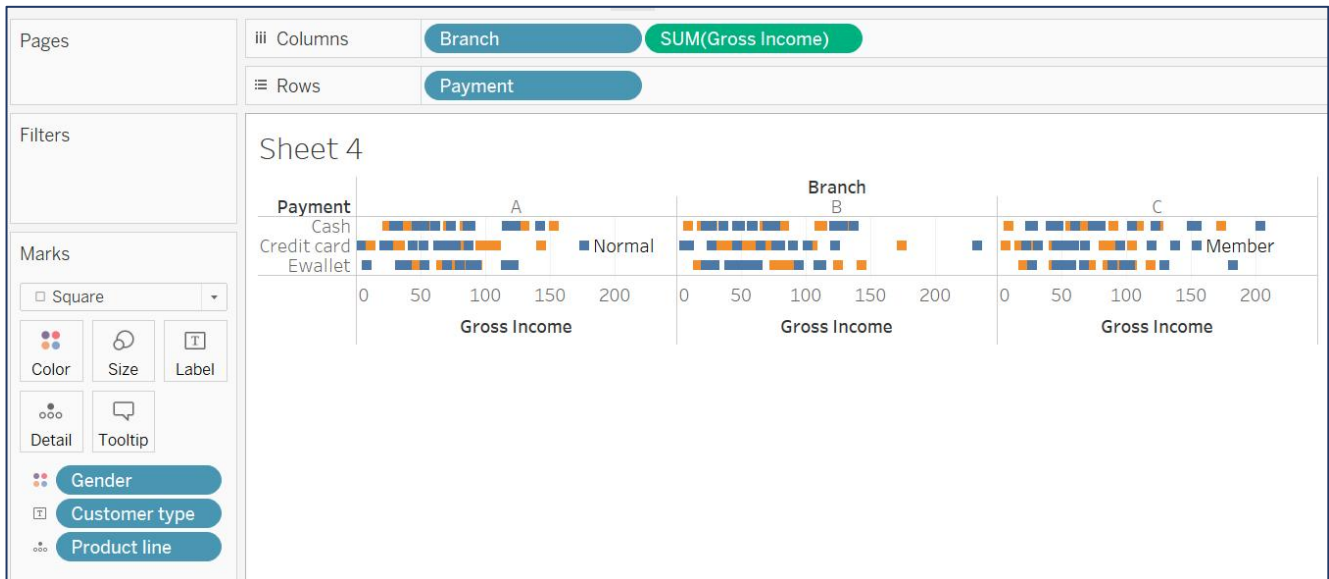
➤ 2) Pie Chart:



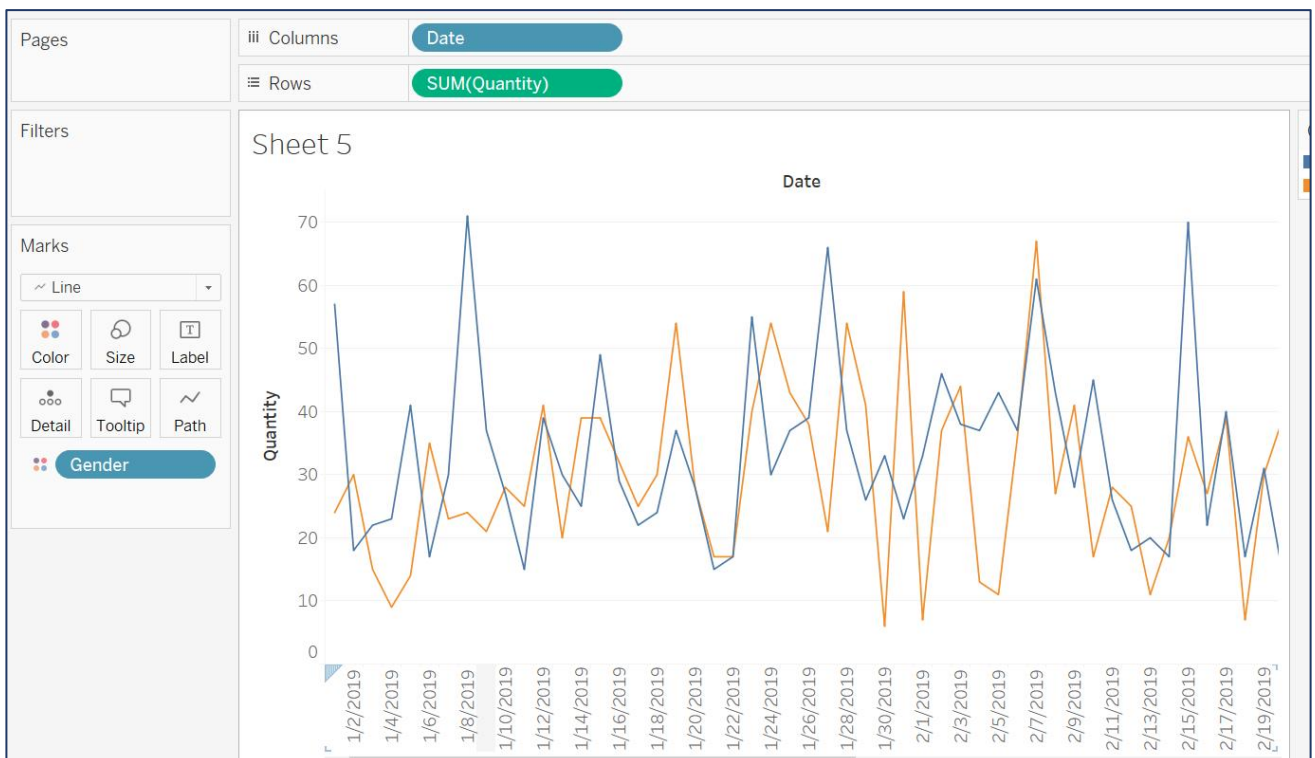
➤ 3) Stacked Bar Chart:



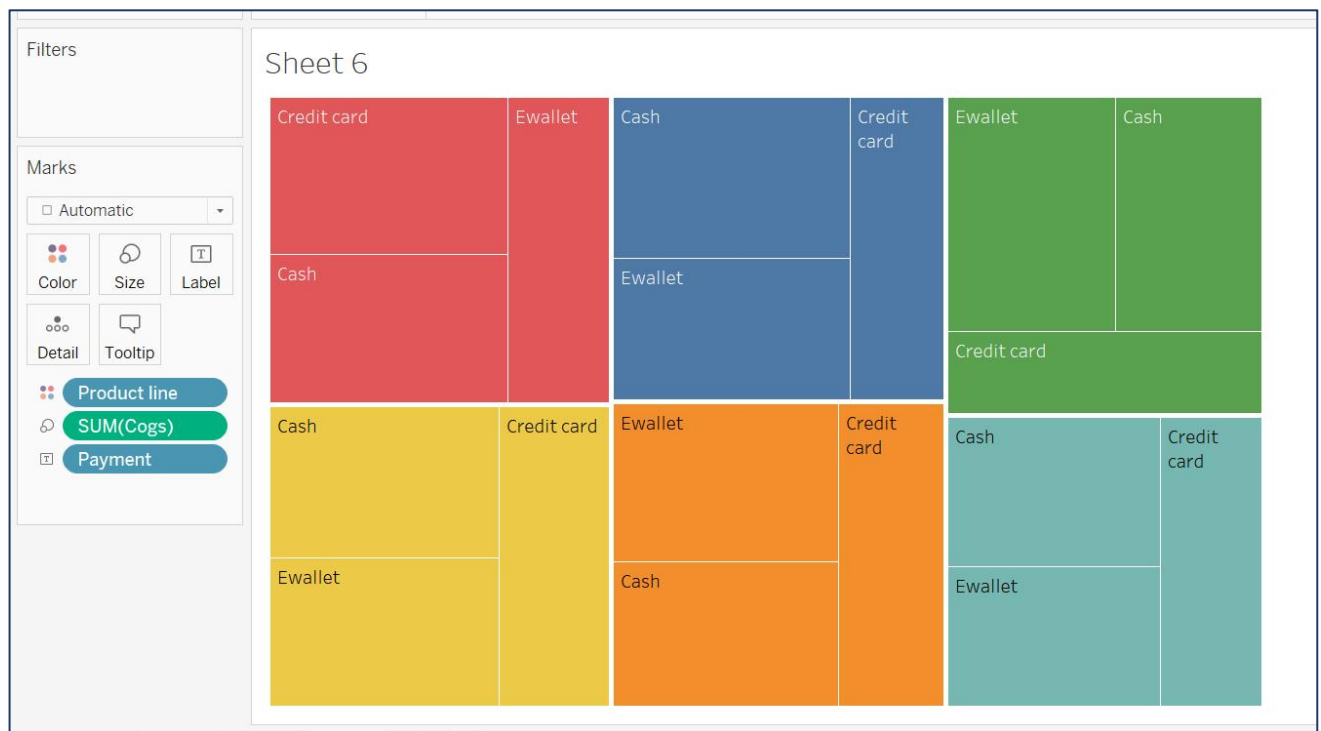
➤ 4) Square:



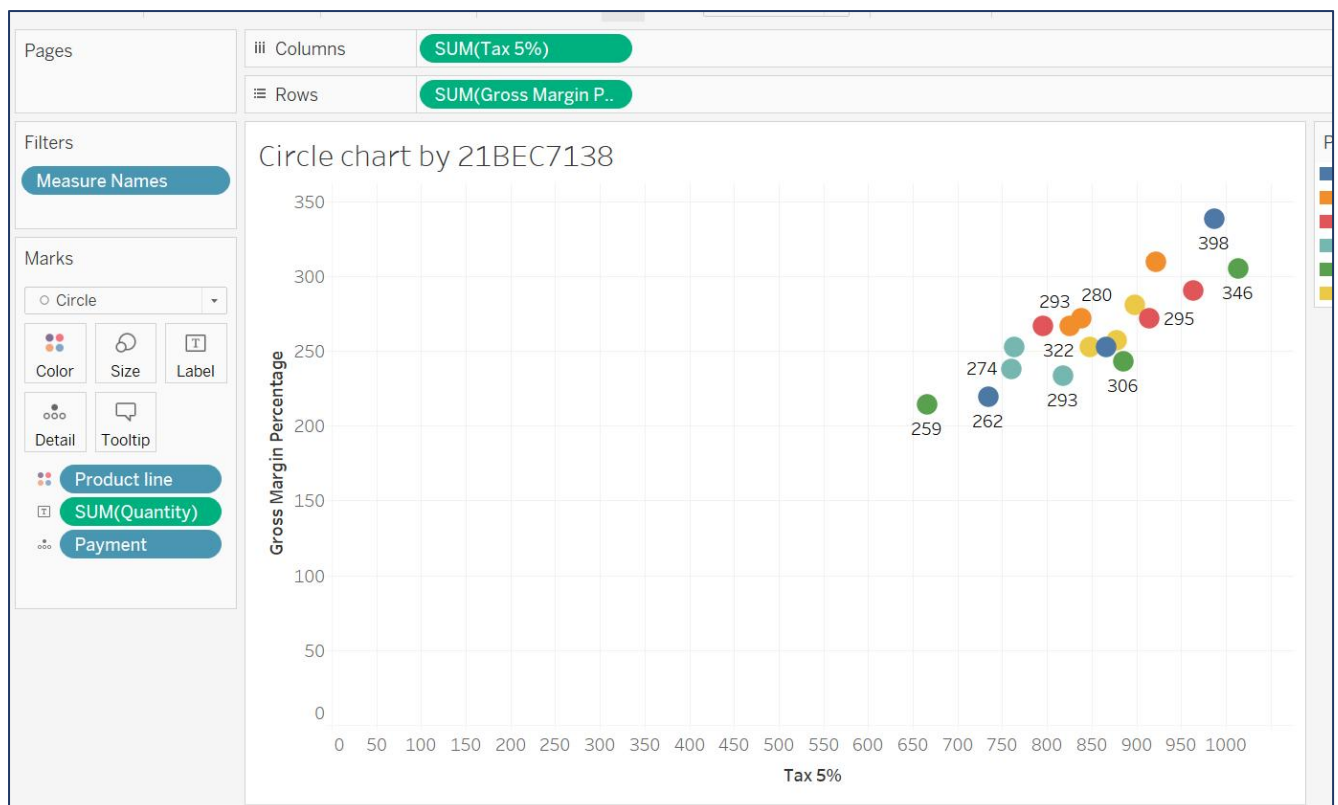
➤ 5) Line Chart:



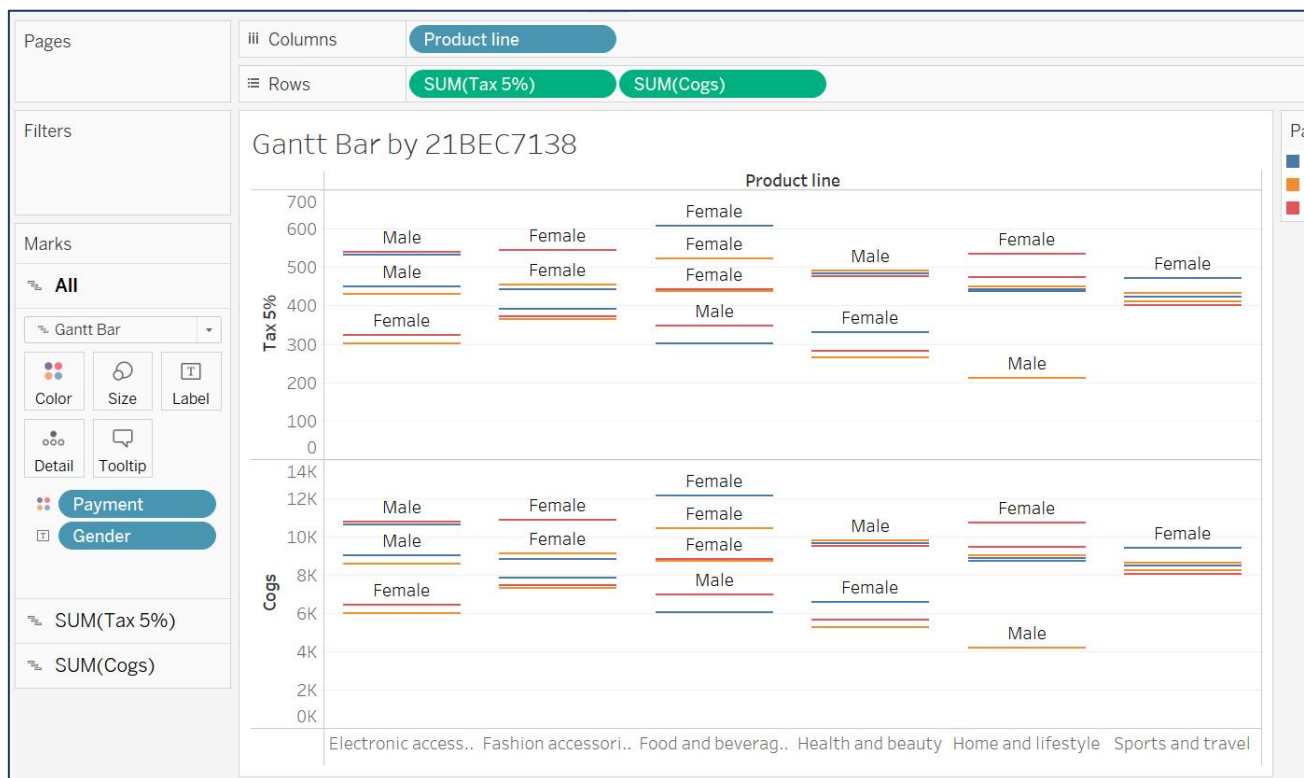
➤ 6) Tree map:



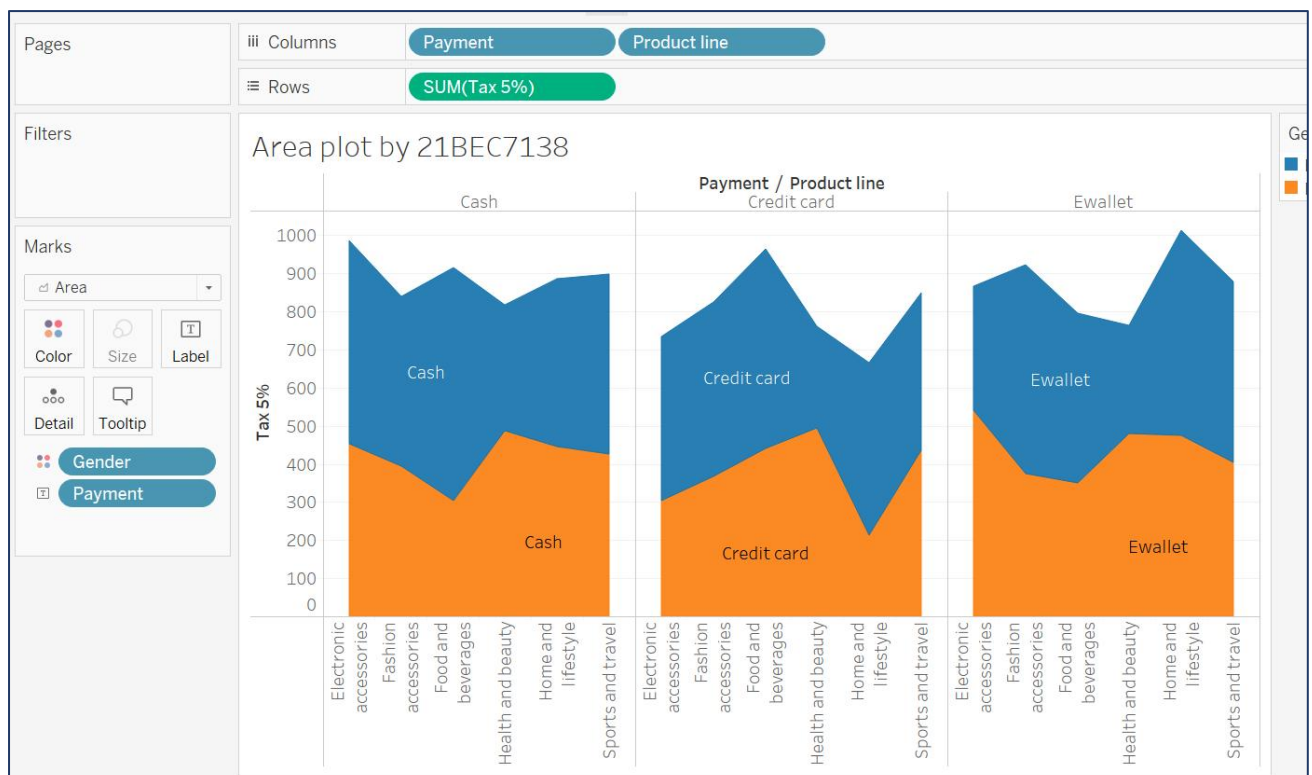
➤ 7) Circle chart:



➤ 8) Gantt chart:



➤ 9) Area plot:



➤ 10) Bubble Chart:

