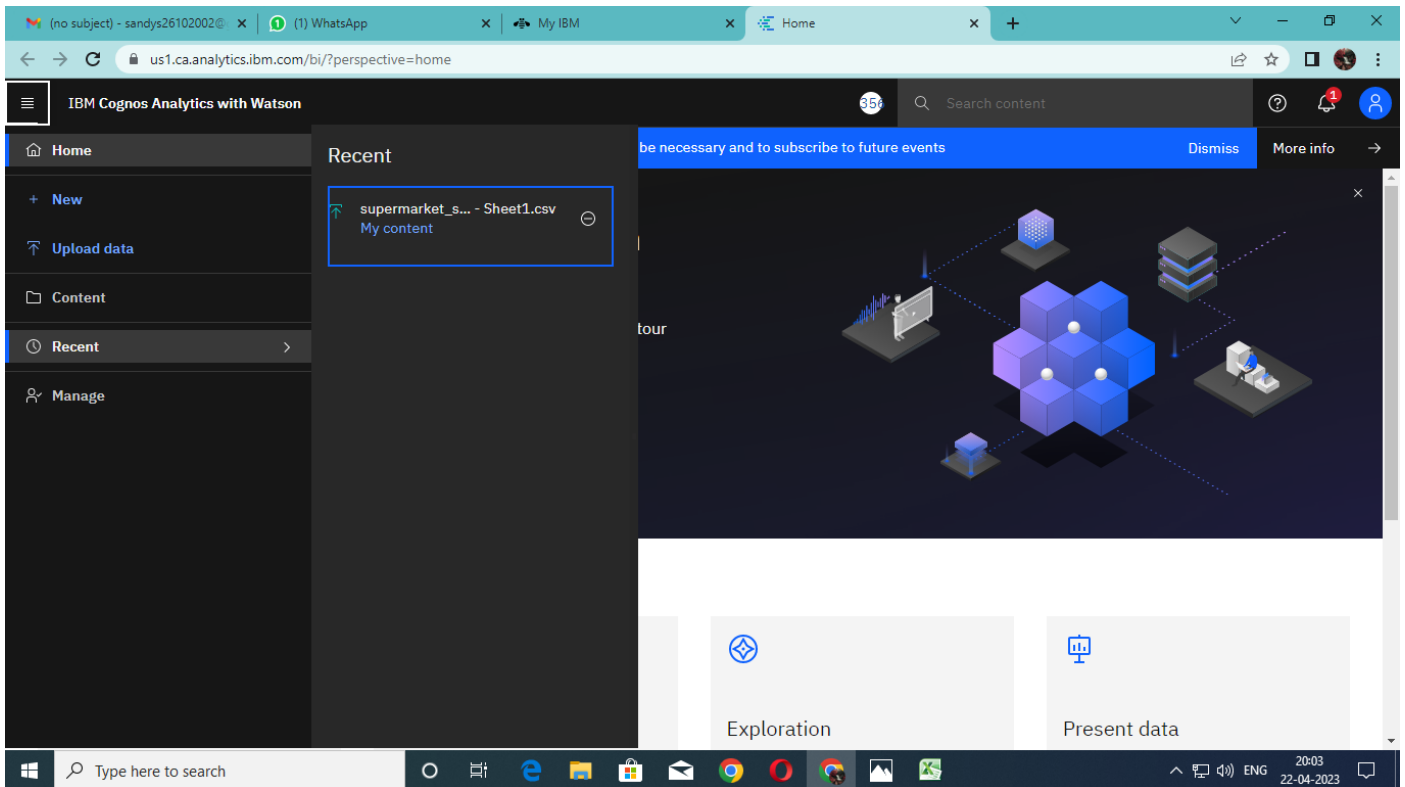


DA ASSIGNMENT 1

Step 1 : Uploading the dataset.



Step 2 : Clear the unnecessary data into the dataset.

The screenshot shows the IBM Cognos Analytics with Watson interface, specifically the 'Data module' view. The 'Grid' tab is selected, displaying a table of data. The table has columns for Row Id, Invoice ID, Branch, City, Customer type, and Gender. The data is organized into rows, with the first row highlighted. The interface includes a sidebar with navigation options like Data module, Relationships, and Custom tables. The main area shows a table of data.

Row Id	Invoice ID	Branch	City	Customer type	Gender
57	106-35-6779	A	Yangon	Member	Male
68	109-28-2512	B	Mandalay	Member	Female
163	101-17-6199	A	Yangon	Normal	Male
170	105-31-1824	A	Yangon	Member	Male
256	110-48-7033	B	Mandalay	Member	Male
401	110-05-6330	C	Naypyitaw	Normal	Female
684	105-10-6182	A	Yangon	Member	Male
777	102-77-2261	C	Naypyitaw	Member	Male
779	102-06-2002	C	Naypyitaw	Member	Male
825	109-86-4363	B	Mandalay	Member	Female
868	101-81-4070	C	Naypyitaw	Member	Female

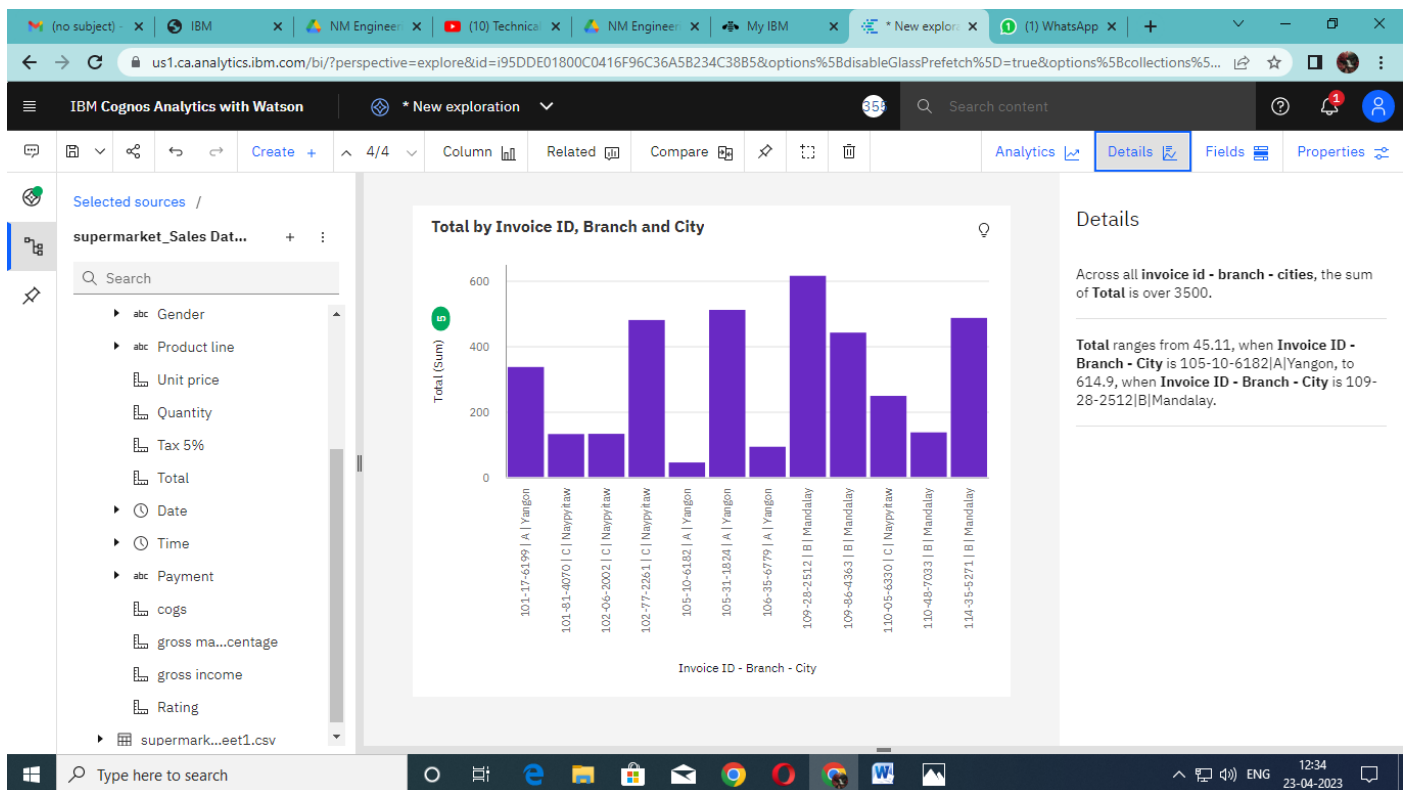
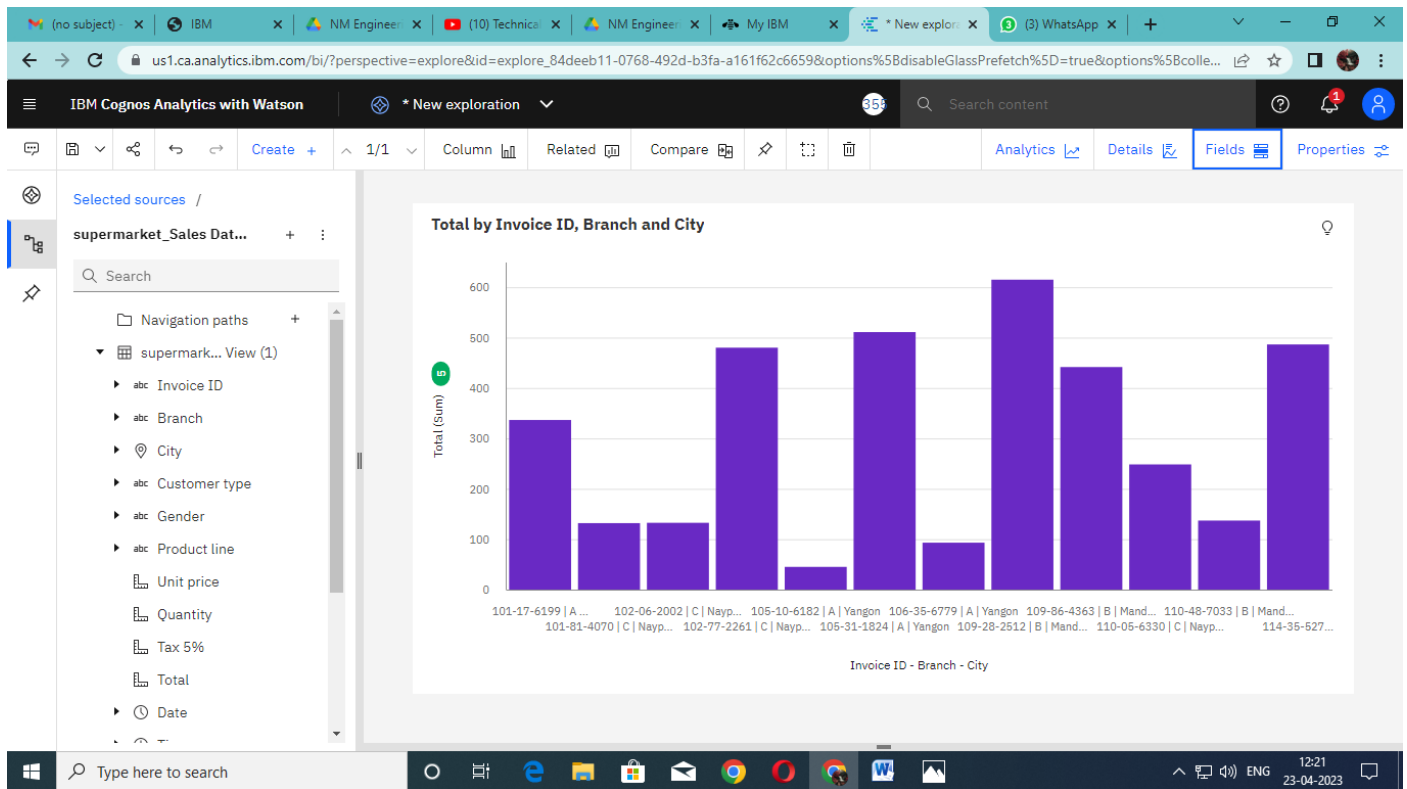
Step 3 : Creating a custom table to view its definition.

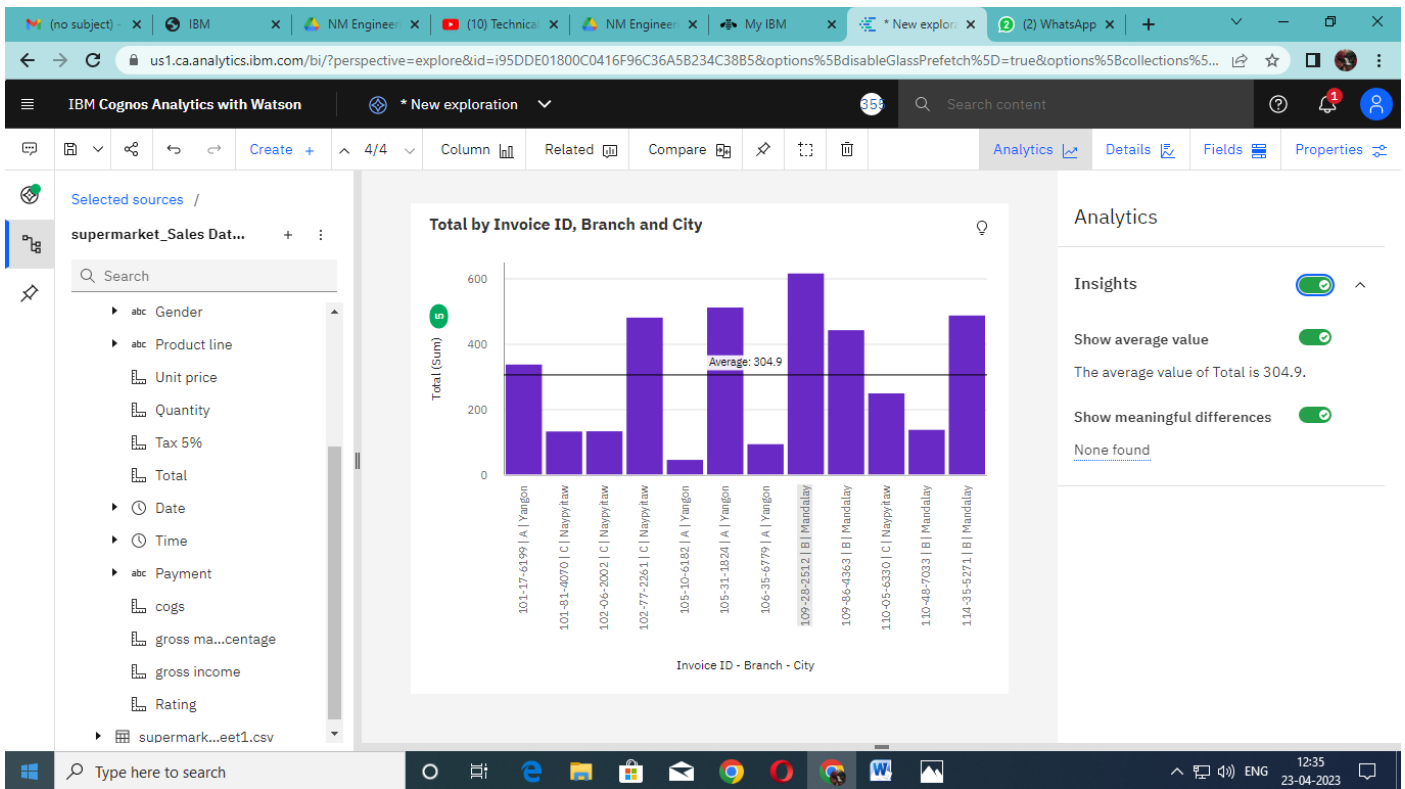
The screenshot shows the IBM Cognos Analytics web application. The browser address bar displays a URL starting with 'us1.ca.analytics.ibm.com'. The application header includes 'IBM Cognos Analytics with Watson' and a search bar. The left sidebar shows a 'Data module' list with a search bar and a tree view containing 'Navigation paths', 'supermark... View (1)', and various fields like 'Row Id', 'Invoice ID', 'Branch', 'City', 'Customer type', 'Gender', 'Product line', 'Unit price', 'Quantity', 'Tax 5%', 'Total', and 'Date'. The main area is titled 'Custom tables' and contains the text 'Select a custom table to view its definition, or create a new table.' with a 'Create custom table' button. Below this, a table lists 'supermarket_sales - Sheet1.csv - View (1)'. The Windows taskbar at the bottom shows the time as 11:51 on 23-04-2023.

Step 4 : Data Exploration .

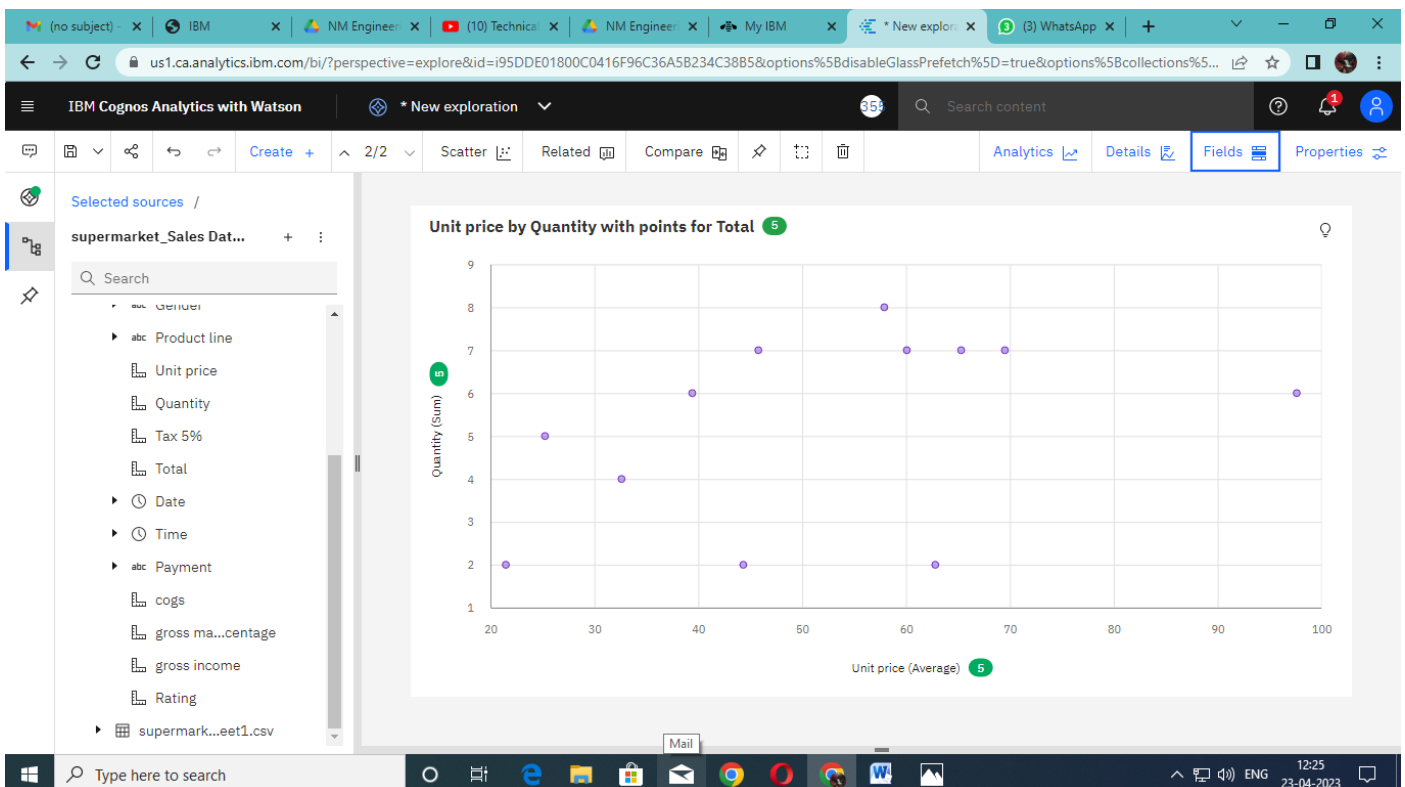
The screenshot shows the IBM Cognos Analytics 'Data Exploration' view. The browser address bar displays a URL starting with 'us1.ca.analytics.ibm.com'. The application header includes 'IBM Cognos Analytics with Watson' and a search bar. The left sidebar shows a 'Cards' section with a 'Data relationships' card. The main area is titled 'Explore data relationships' and shows a relationship diagram for the 'supermarket_sales Data module'. The diagram has 'Total' as the central node, connected to 'City', 'Customer type', 'gross income', 'Unit price', 'Tax 5%', 'Quantity', 'Rating', and 'cogs'. A 'Reset to original' link is visible. Below the diagram is a 'Relationship diagram' slider set to 100%. On the right, a 'Select a visualization' panel shows a card for 'Total' with a value of '3.66K' and an 'Add +' button. The Windows taskbar at the bottom shows the time as 11:15 on 23-04-2023.

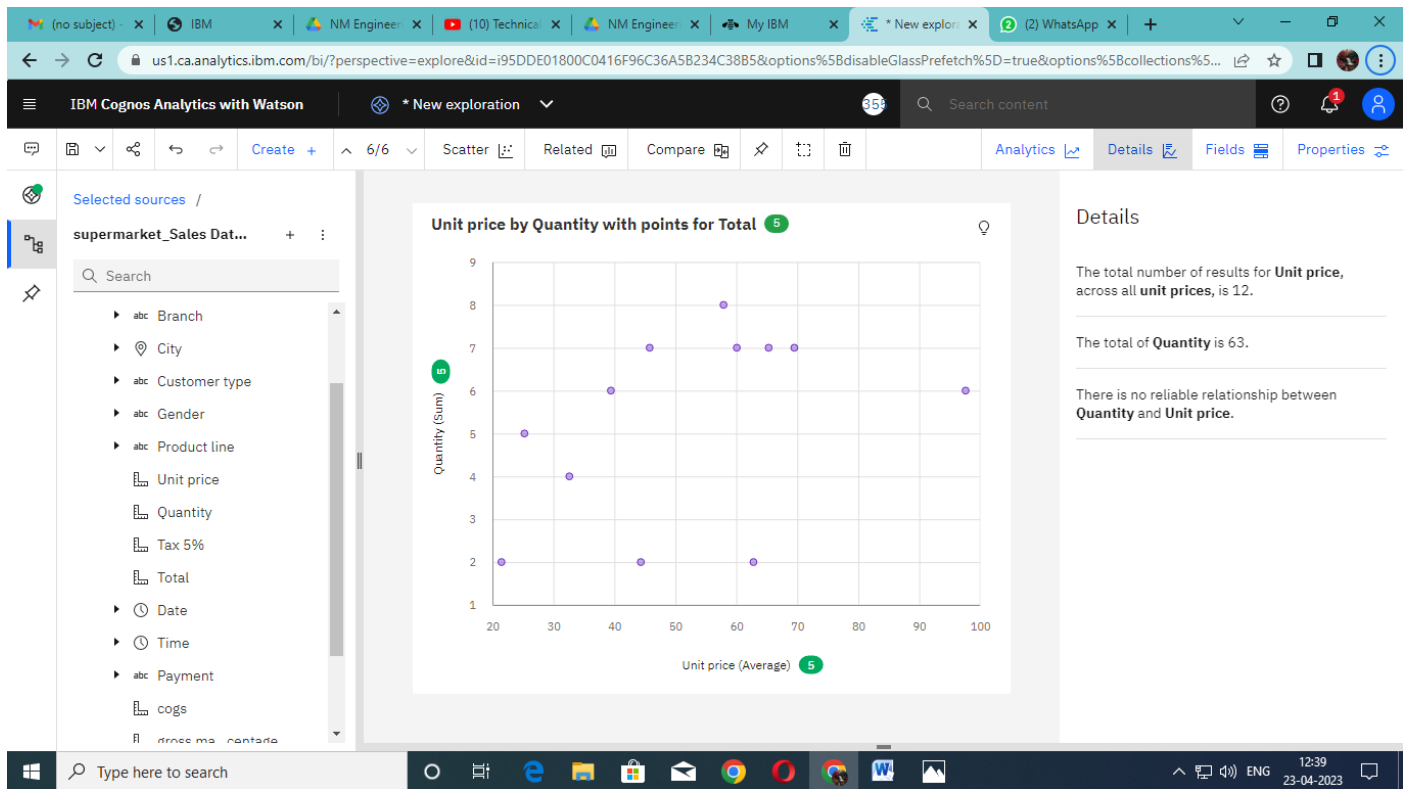
Step 5 : Visualization of Invoice ID, Branch and City.



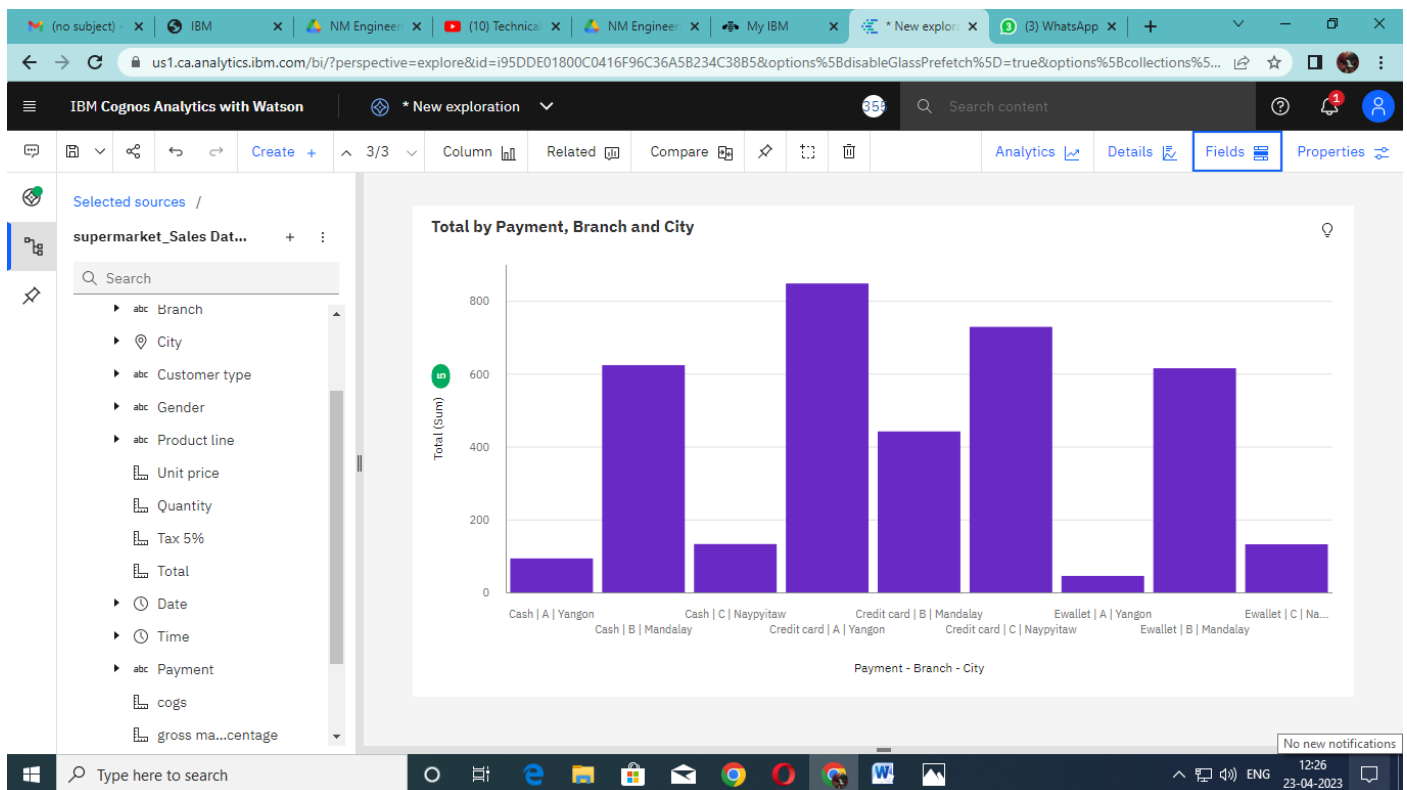


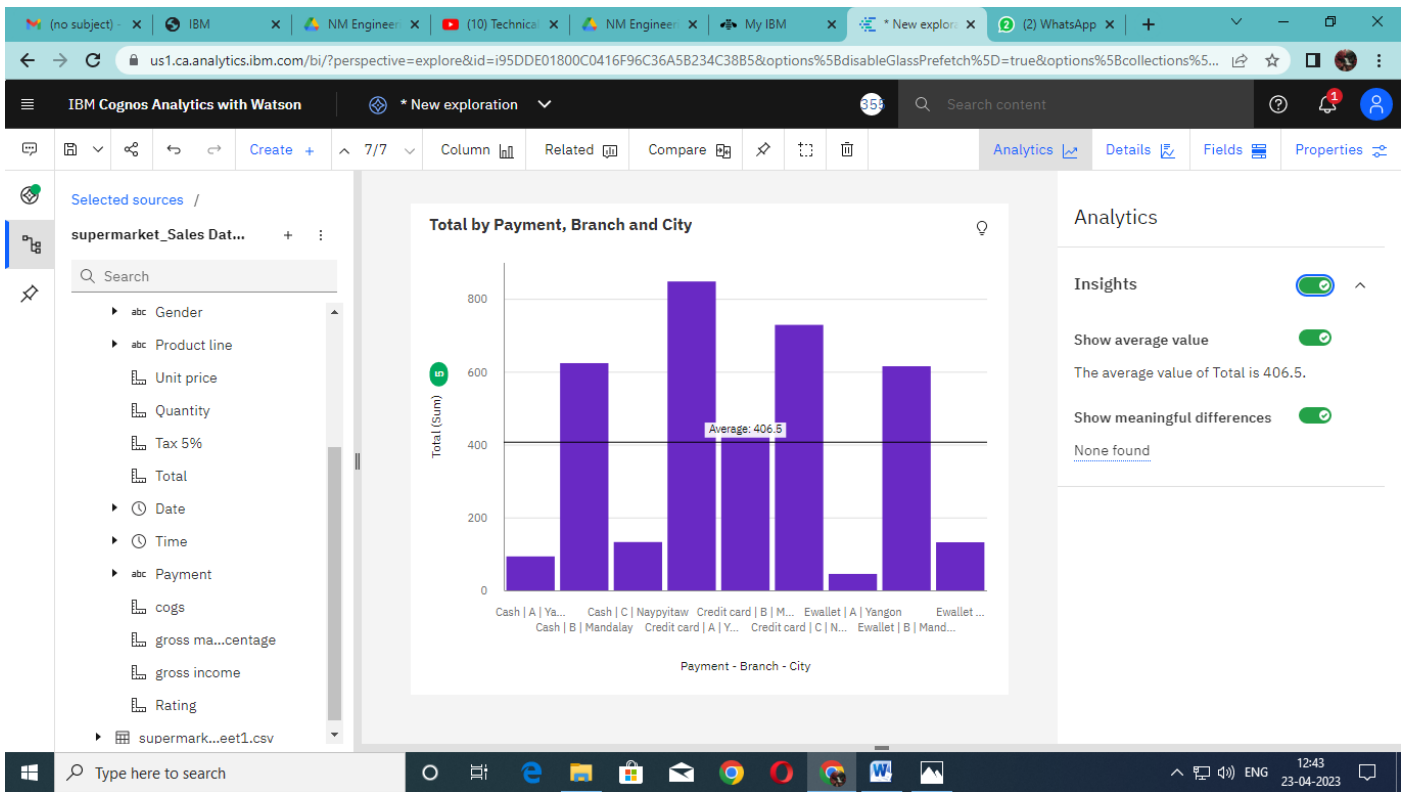
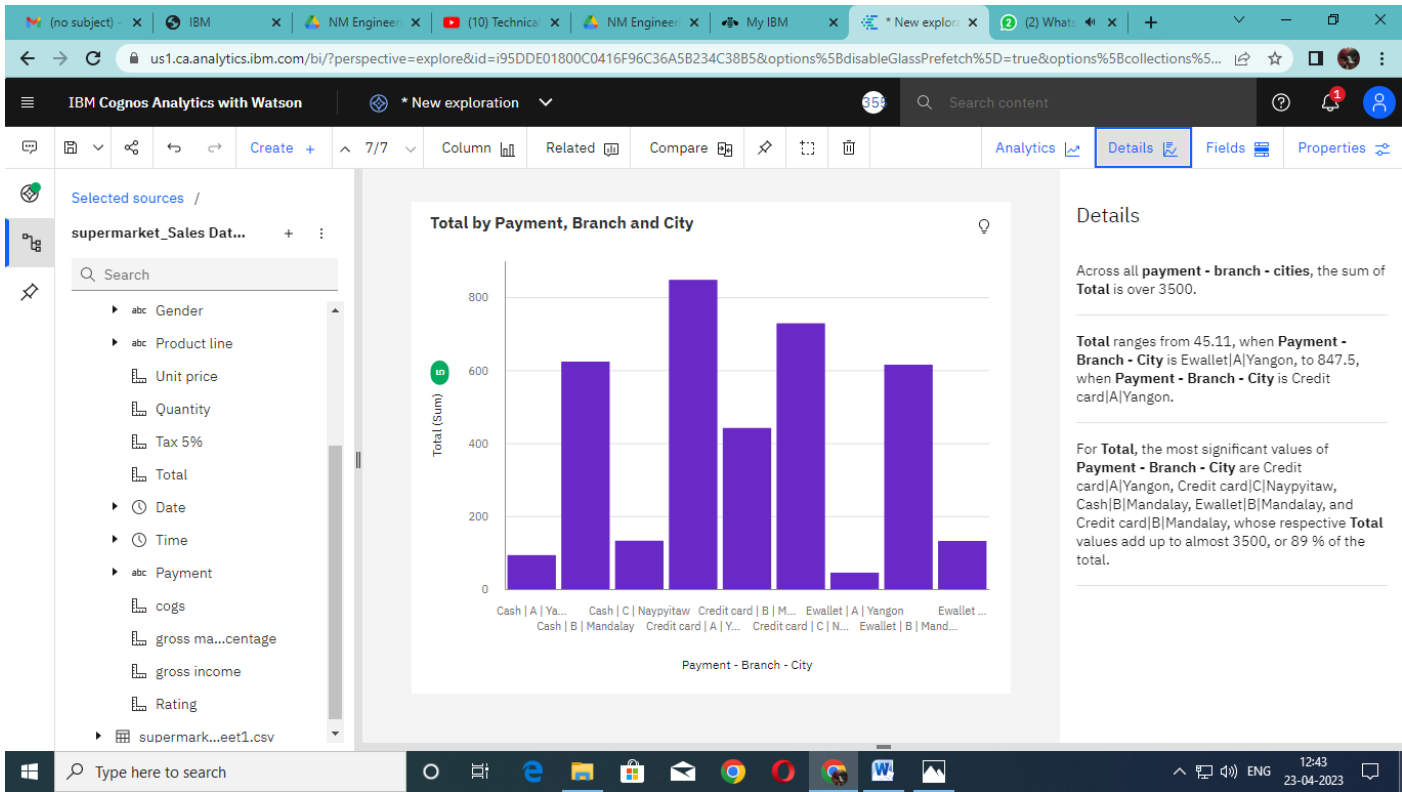
Step 6 : Visualization of Unit price by quantity with points for Total .



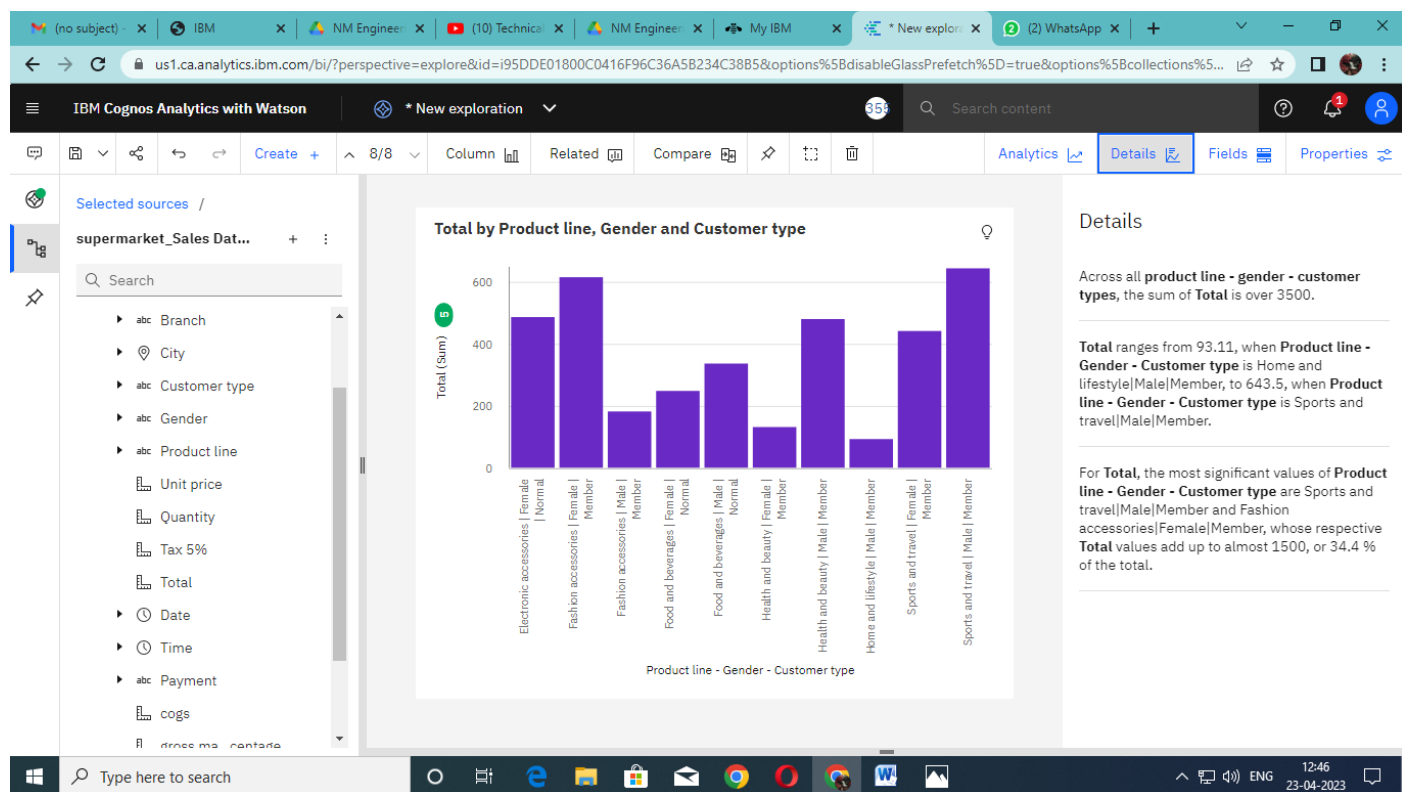
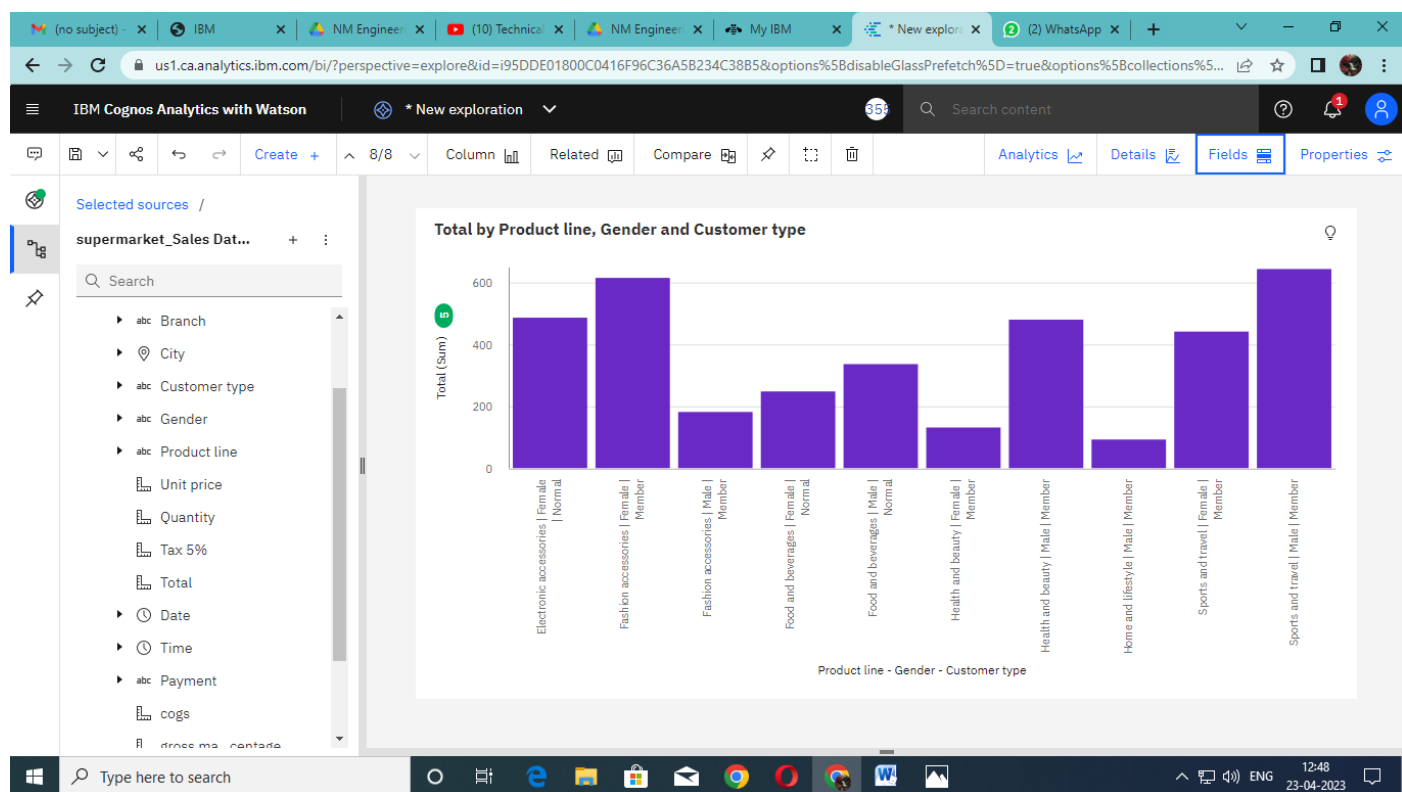


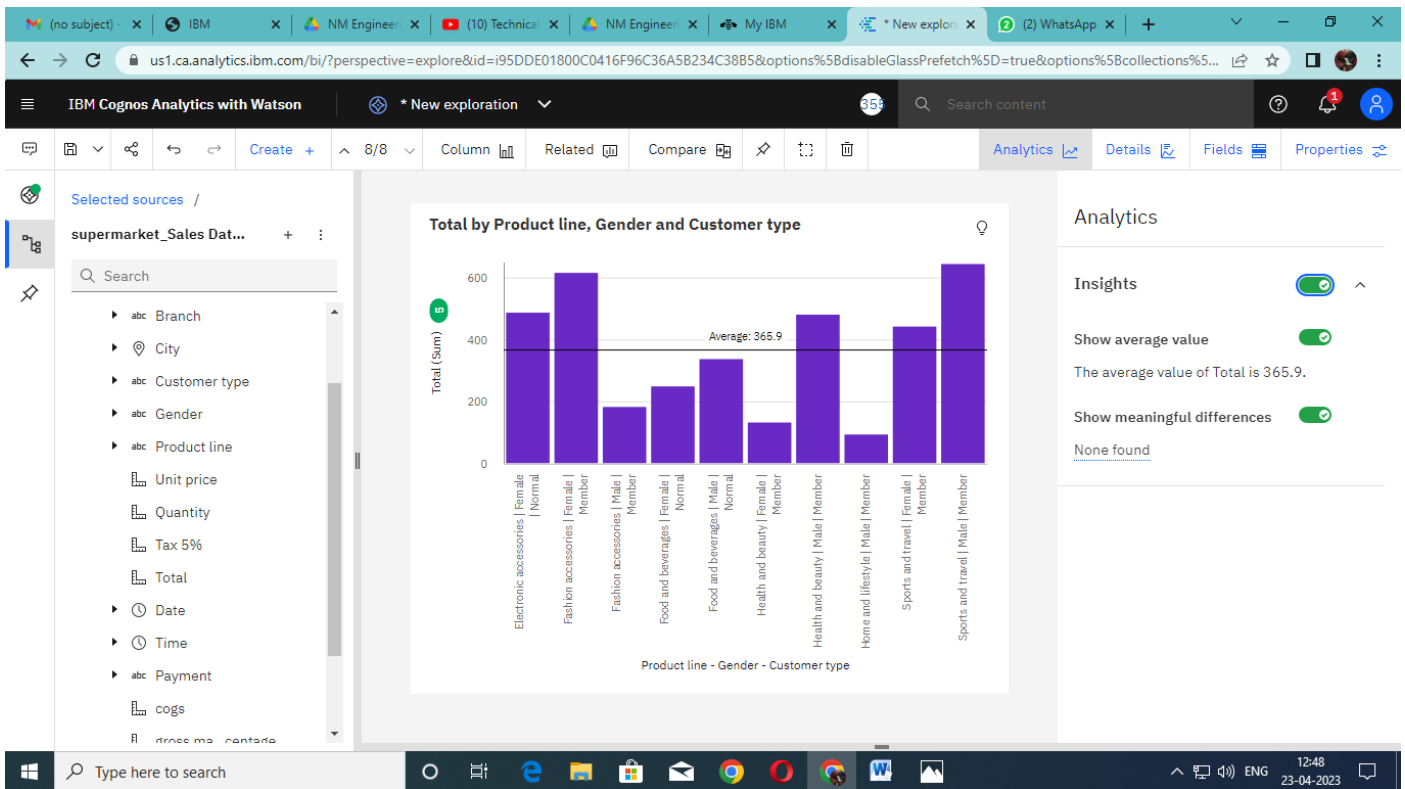
Step 7 : Visualization of Total by Payment, Branch and City.



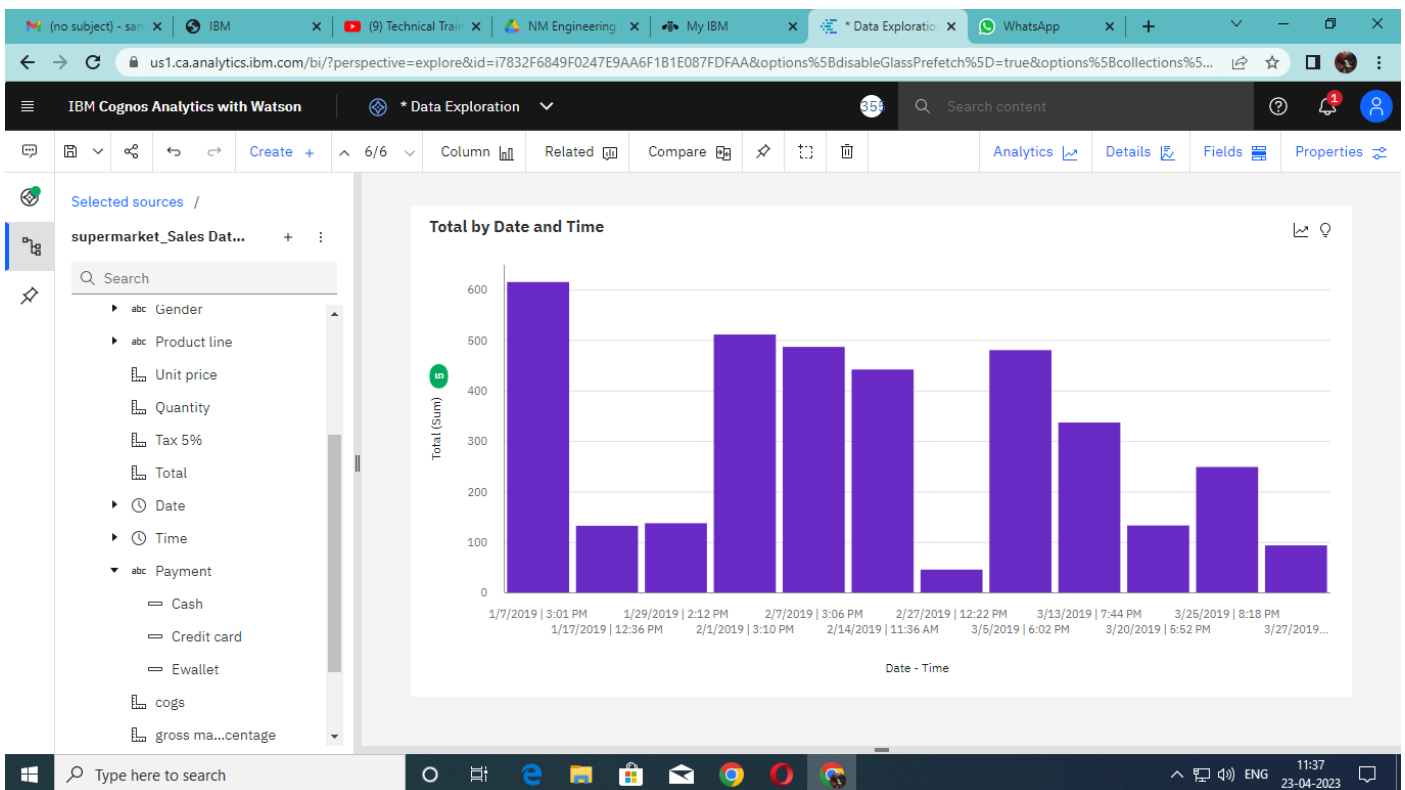


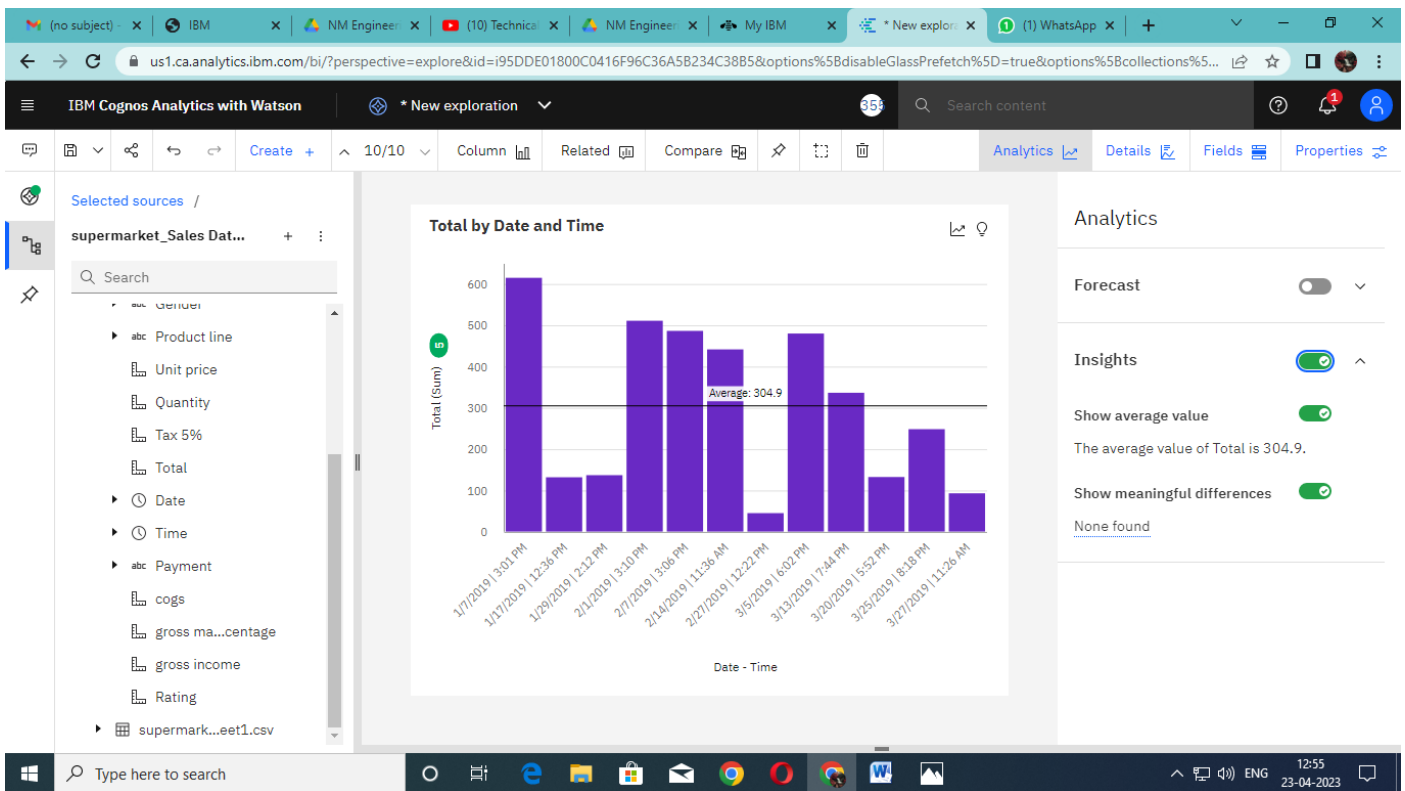
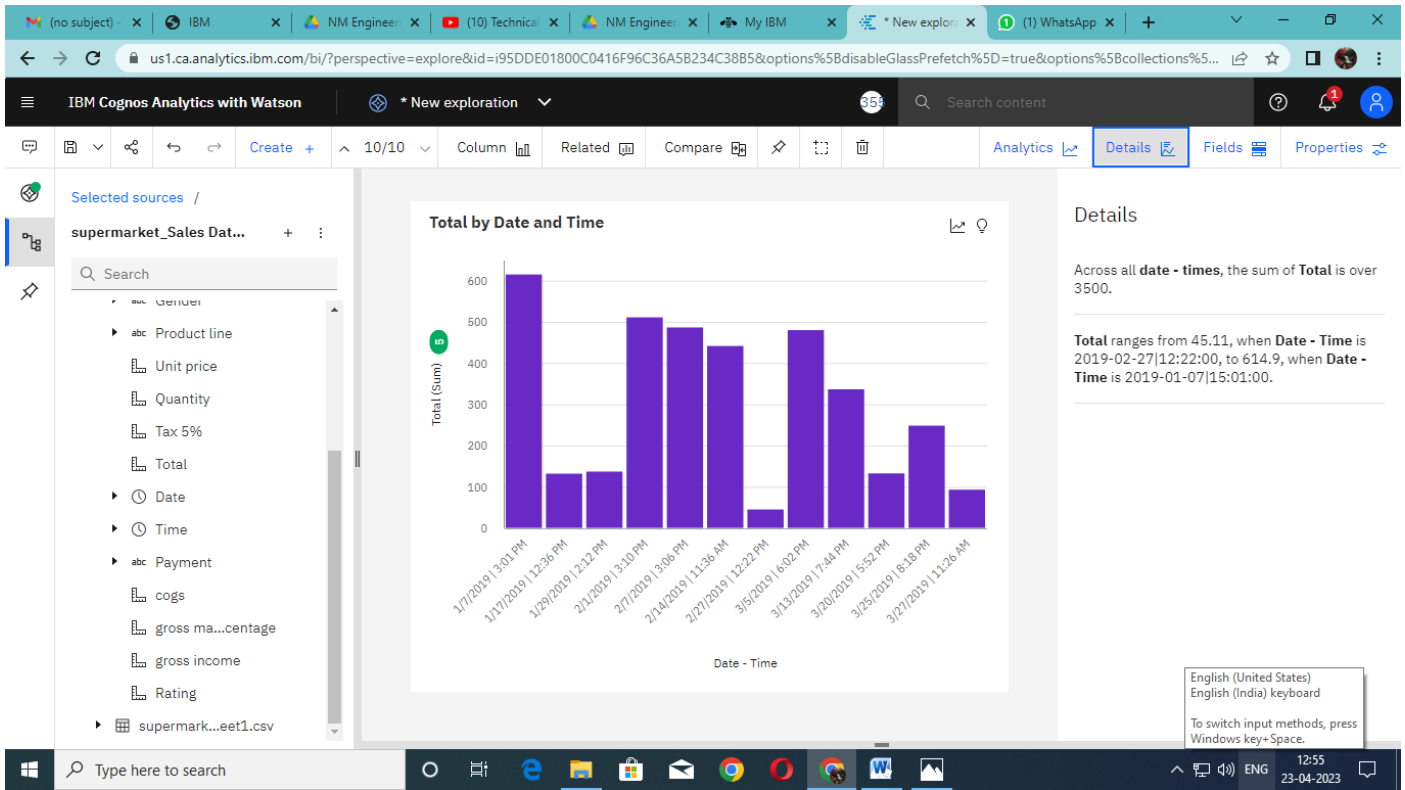
Step 8 : Visualization of Total by Product line, Gender and Customer type .





Step 9 : Visualization of Total by Date and Time.





Step 10 : Visualization of Total by cogs, gross margin percentage, gross income and Rating.

