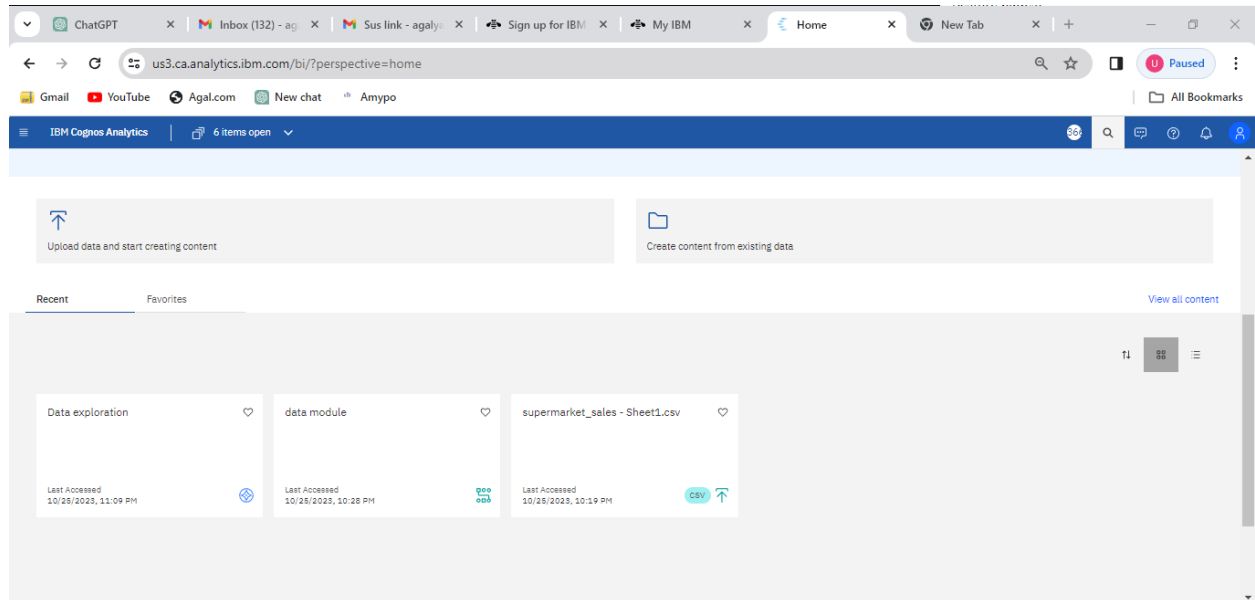
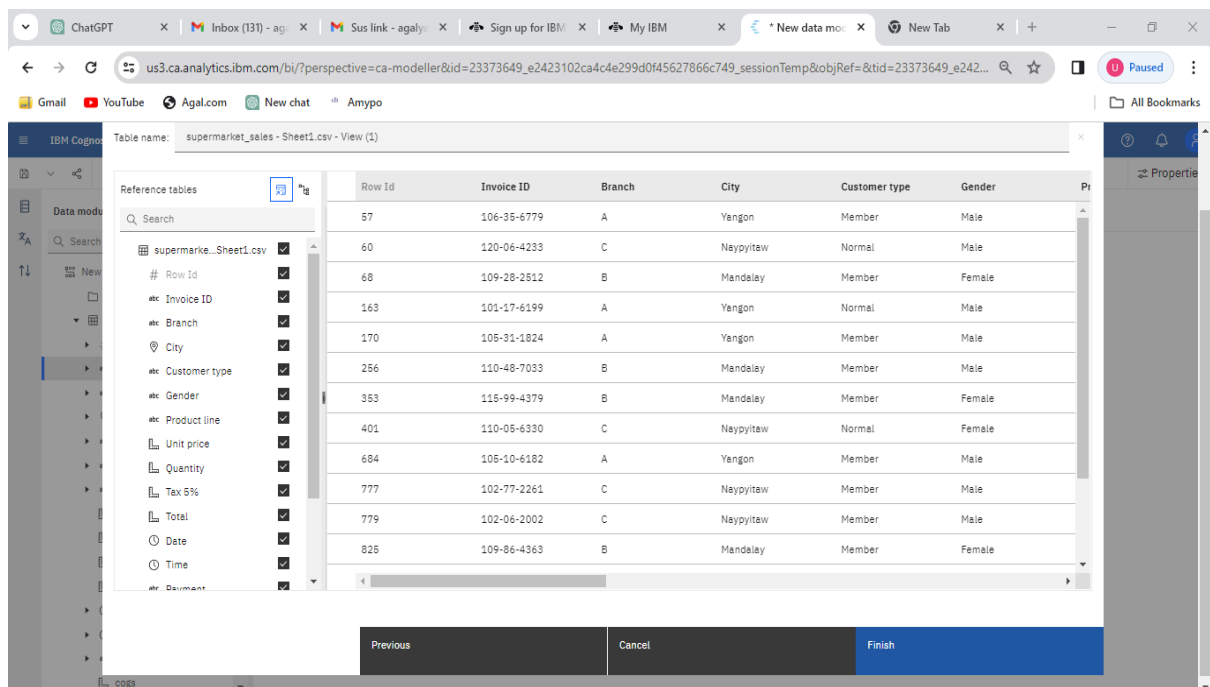


## DATA ANALYTICS ASSIGNMENT – 1

### STEP 1 : Uploading the dataset.



**STEP 2 : Clear the unnecessary data into the dataset.**



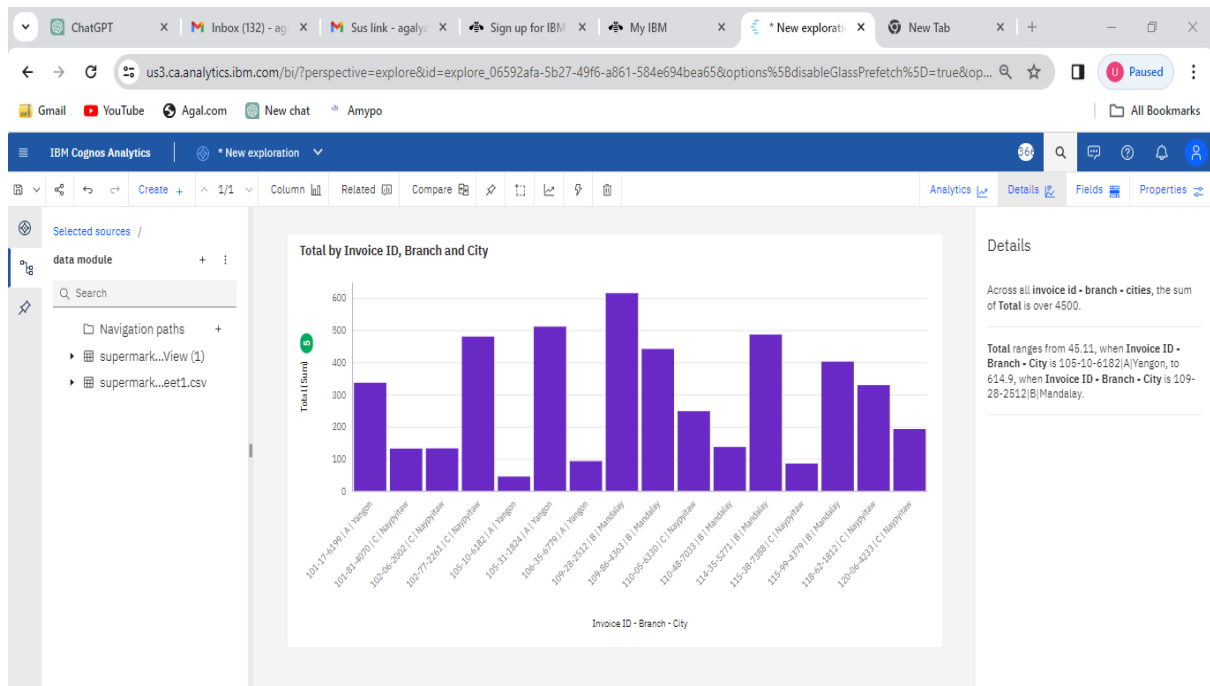
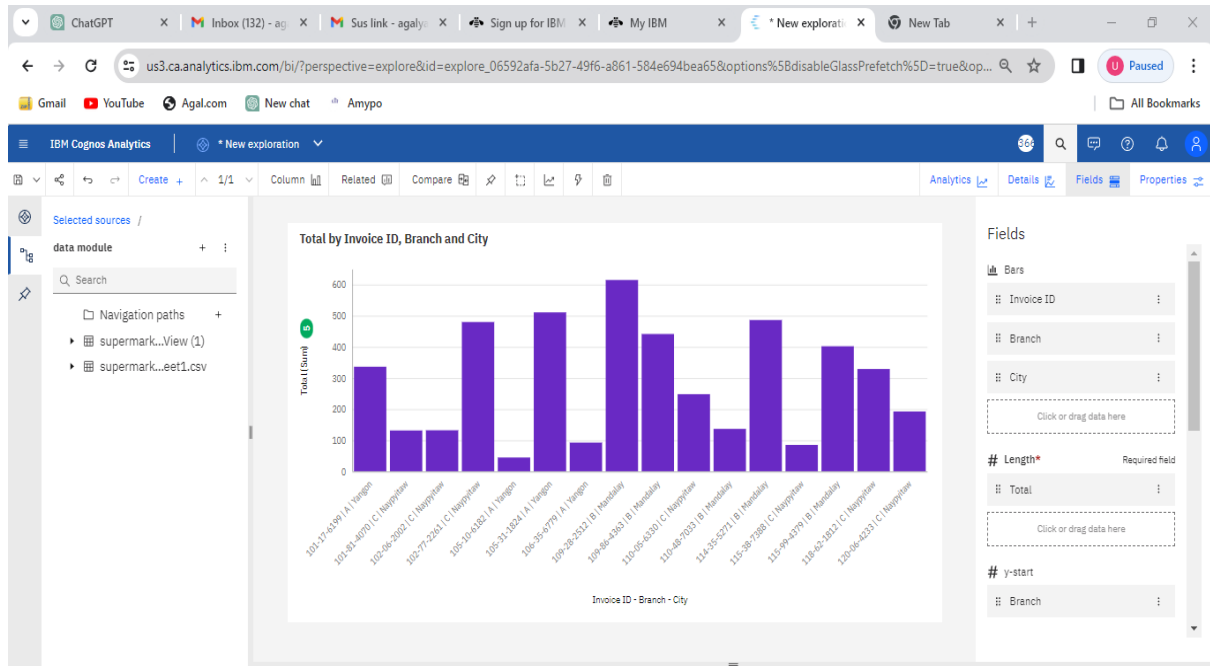
### STEP 3 : Creating a custom table to view its definition.

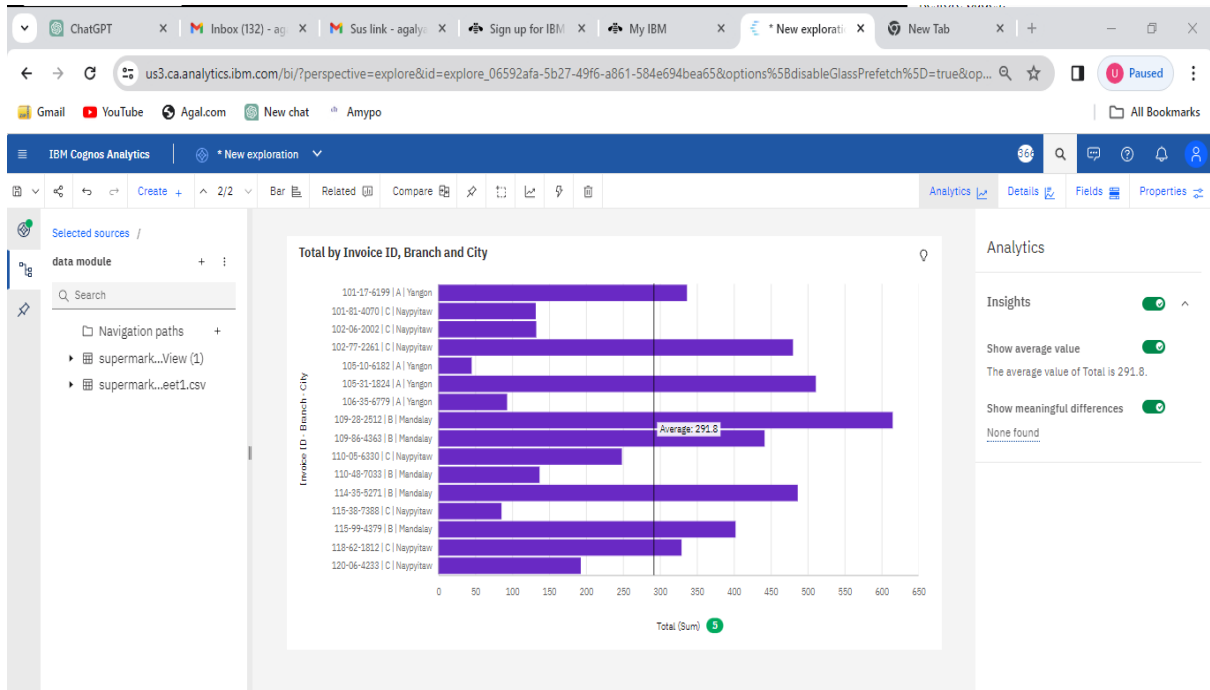
The screenshot shows the IBM Cognos Analytics interface. The top navigation bar includes the IBM logo and the text 'IBM Cognos Analytics'. The main header area shows the current view as 'supermarket\_sales - Sheet1.csv - View (1)'. The left sidebar contains a search bar and a list of fields: # Row ID, Invoice ID, Branch, City, Customer type, Gender, Product line, Unit price, Quantity, Tax 5%, Total, Date, Time, Payment, cogs, and gross\_m...centage. The main content area displays a diagram with a box labeled 'supermarket...Sheet1.csv' connected to a box labeled 'supermarke... View (1)'. The bottom right corner has a 'Properties' button.

### STEP 4 : Data Exploration.

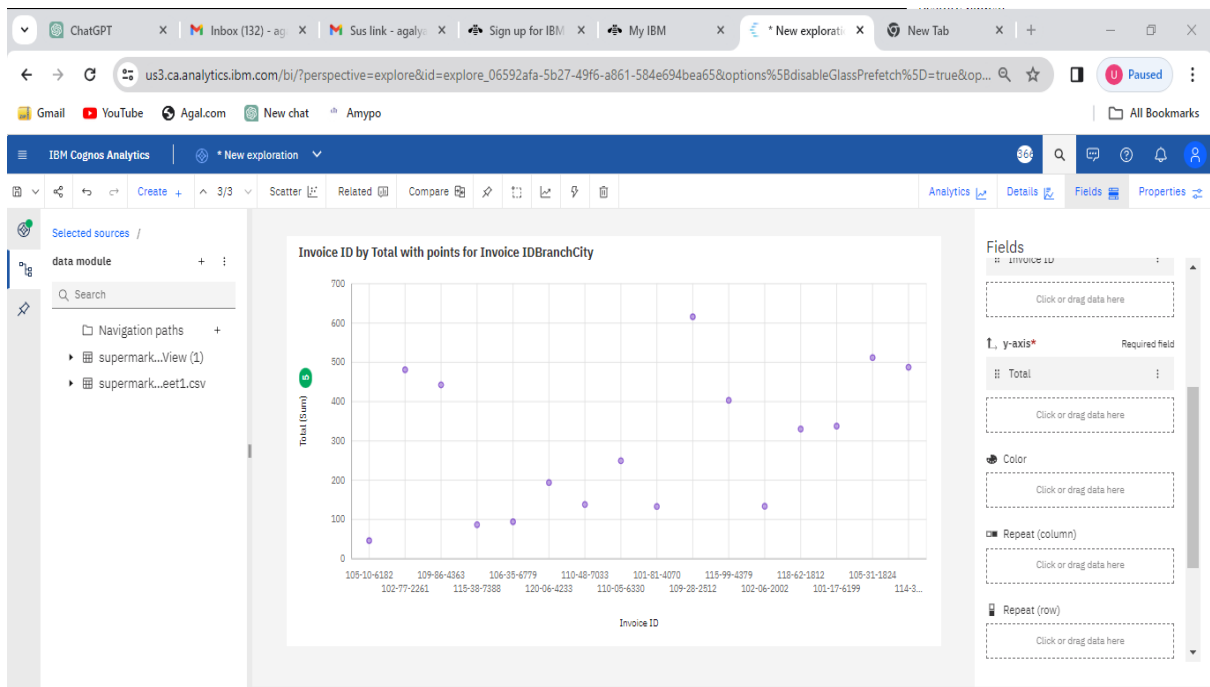
The screenshot shows the IBM Cognos Analytics interface in the 'Explore data relationships' view. The top navigation bar includes the IBM logo and the text 'IBM Cognos Analytics'. The main header area shows the current view as 'Explore data relationships'. The left sidebar contains a search bar and a list of fields: # Row ID, Invoice ID, Branch, City, Customer type, Gender, Product line, Unit price, Quantity, Tax 5%, Total, Date, Time, Payment, cogs, and gross\_m...centage. The main content area displays a relationship diagram with 'Total' as the central node, connected to various fields like City, Tax 5%, Quantity, Branch, cogs, Unit price, gross income, and Customer type. The right sidebar shows a 'Select a visualization' panel with a 'Total' visualization showing '4.67K'. The bottom right corner has a 'Properties' button.

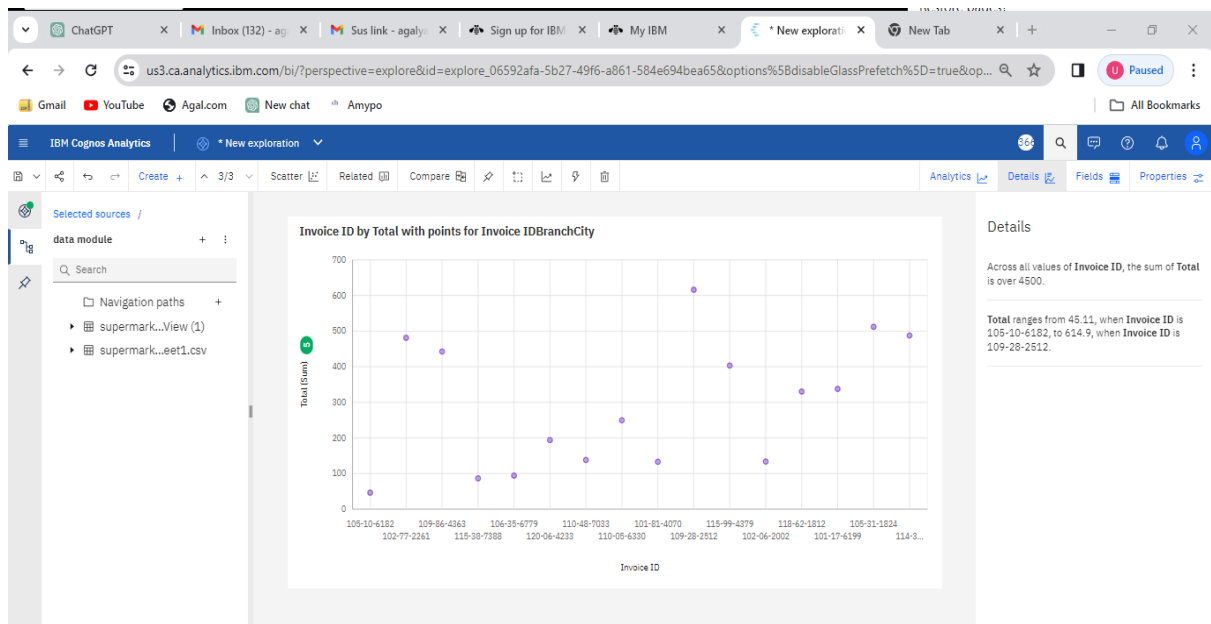
## STEP 5 : Visualization of invoice ID, Branch and City.



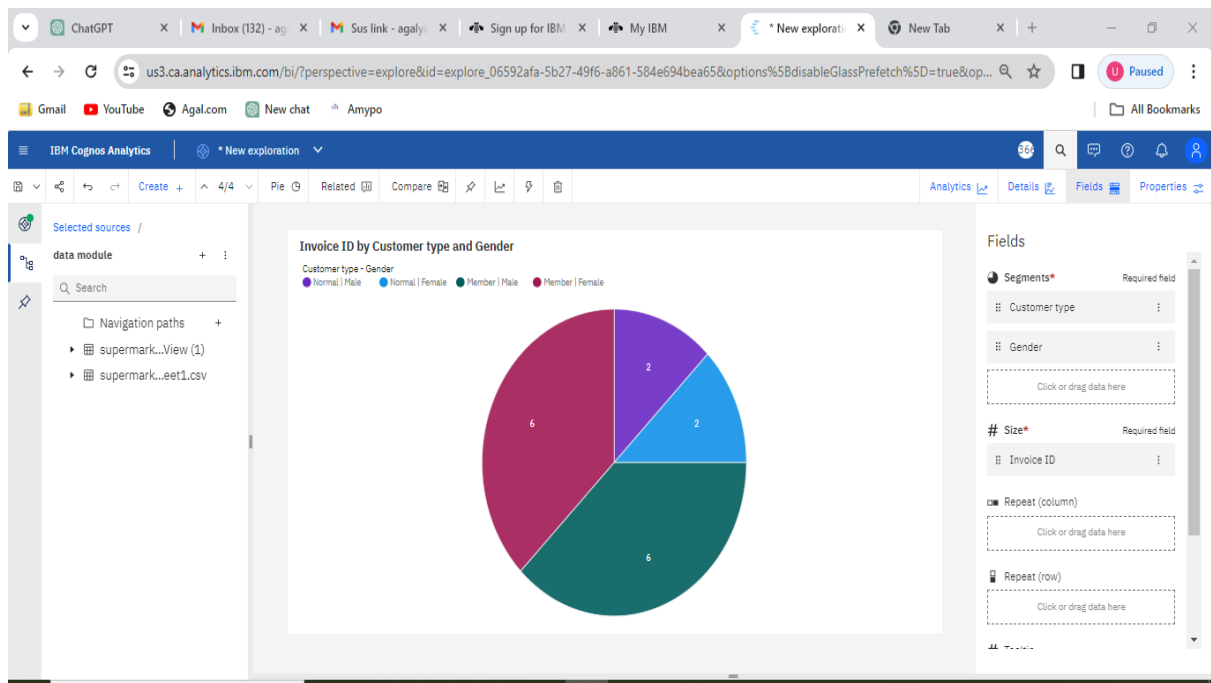


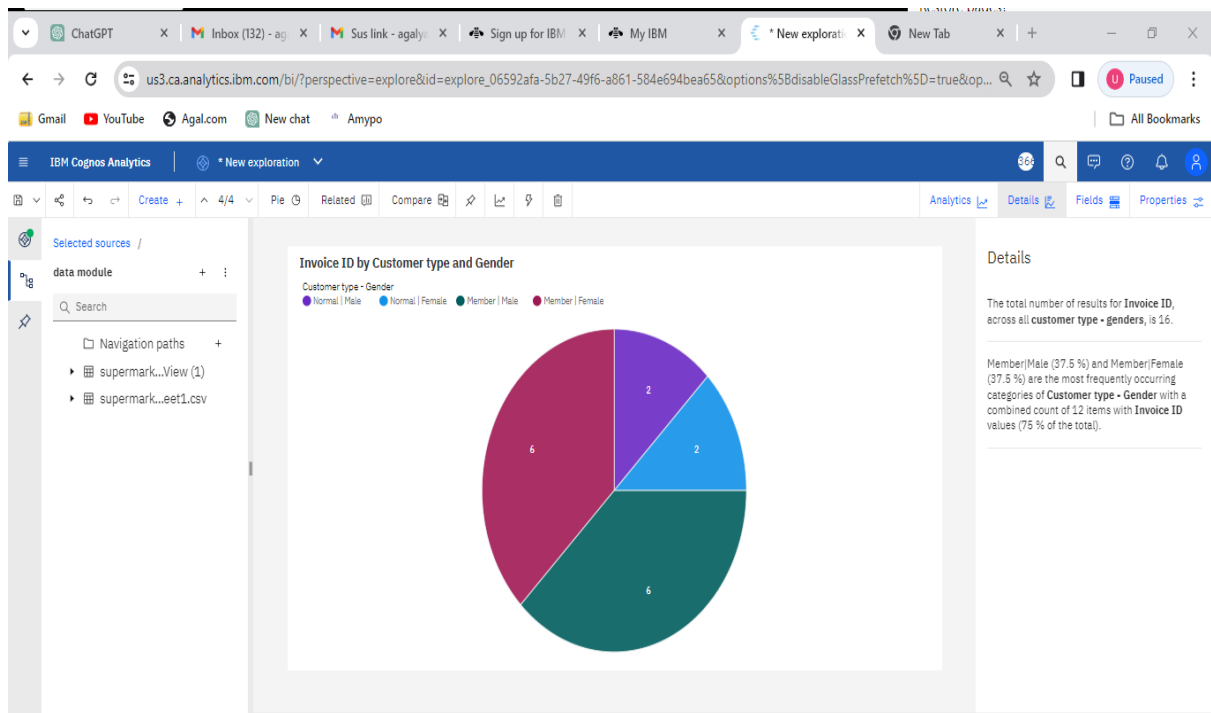
## STEP 6 : Visualization of Invoice ID By Total with points for Invoice ID Branch City.



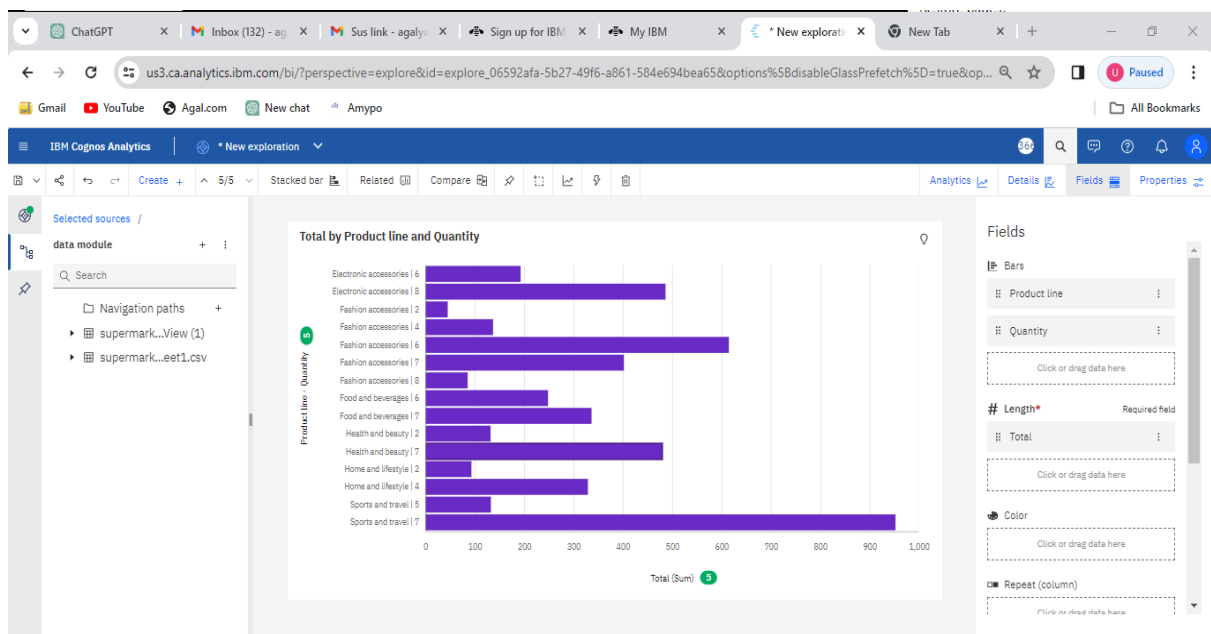


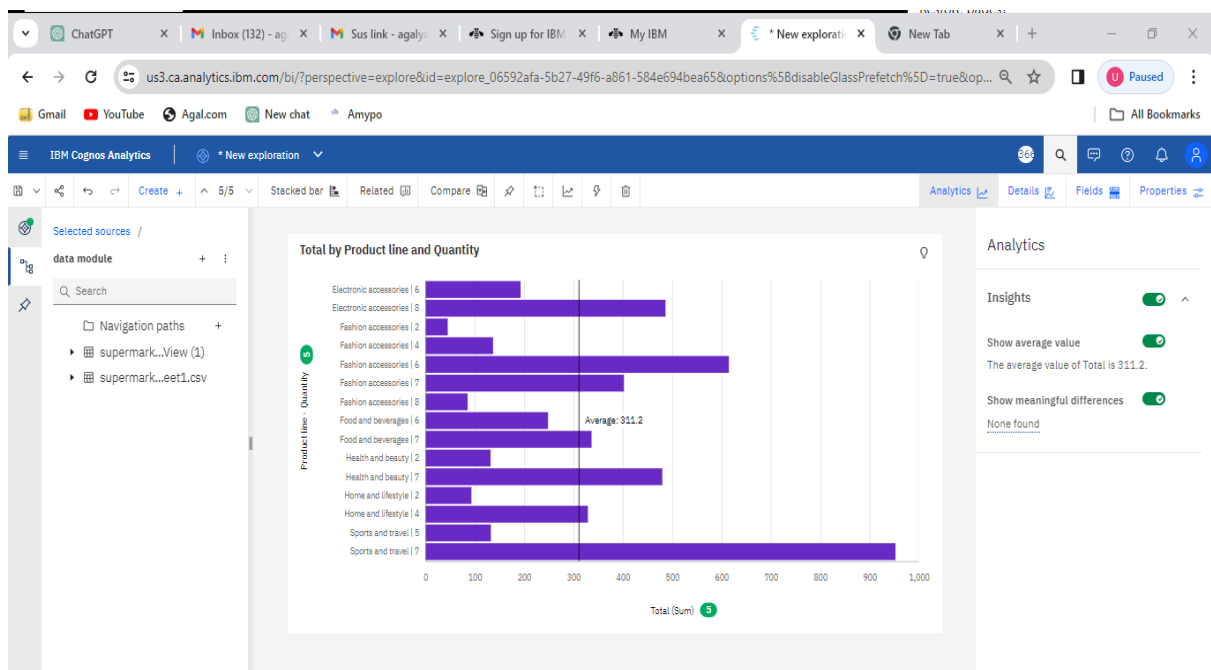
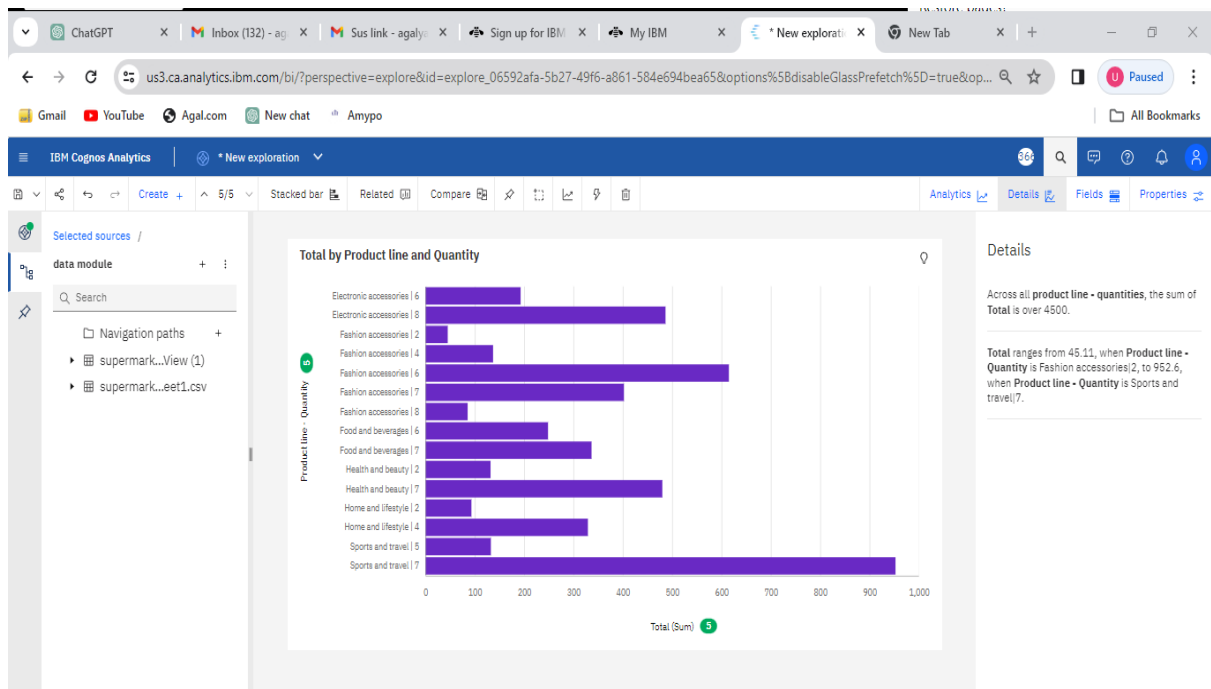
## STEP 7 : Visualization of Invoice ID by Customer type and Gender.



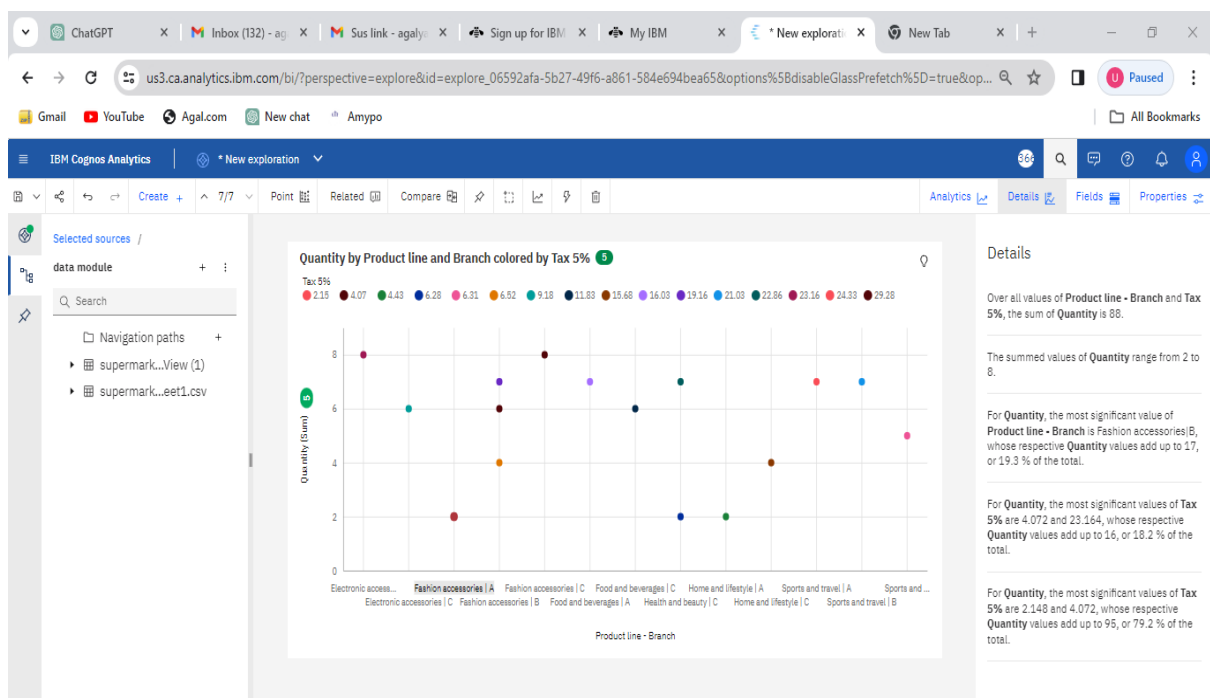
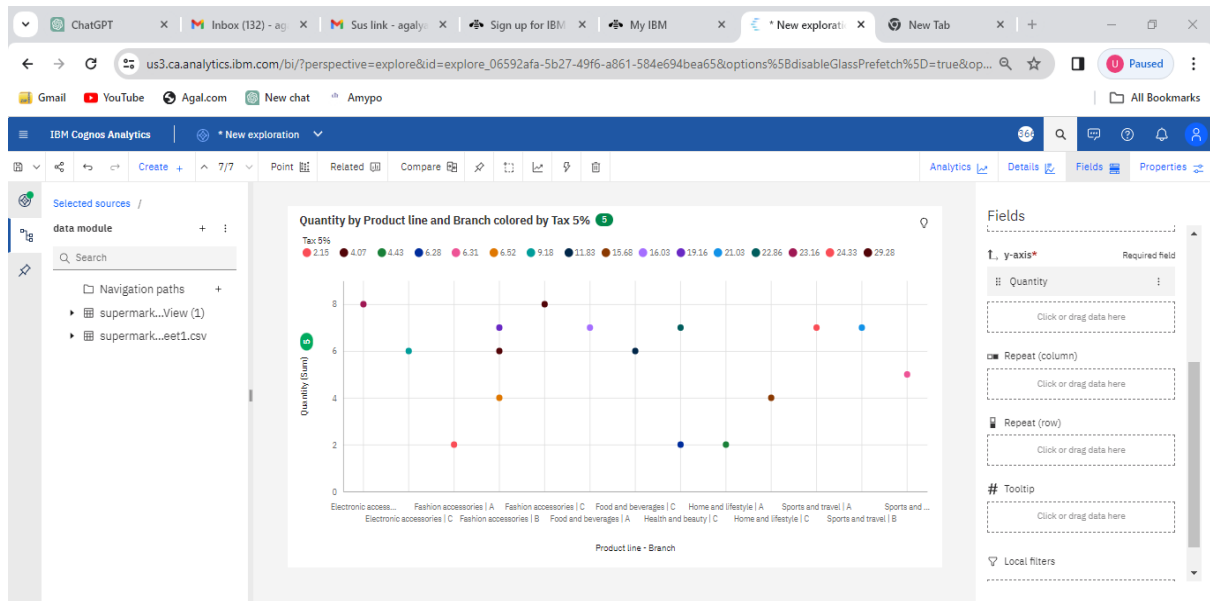


## STEP 8 : Visualization of Total by Product line and Quantity.

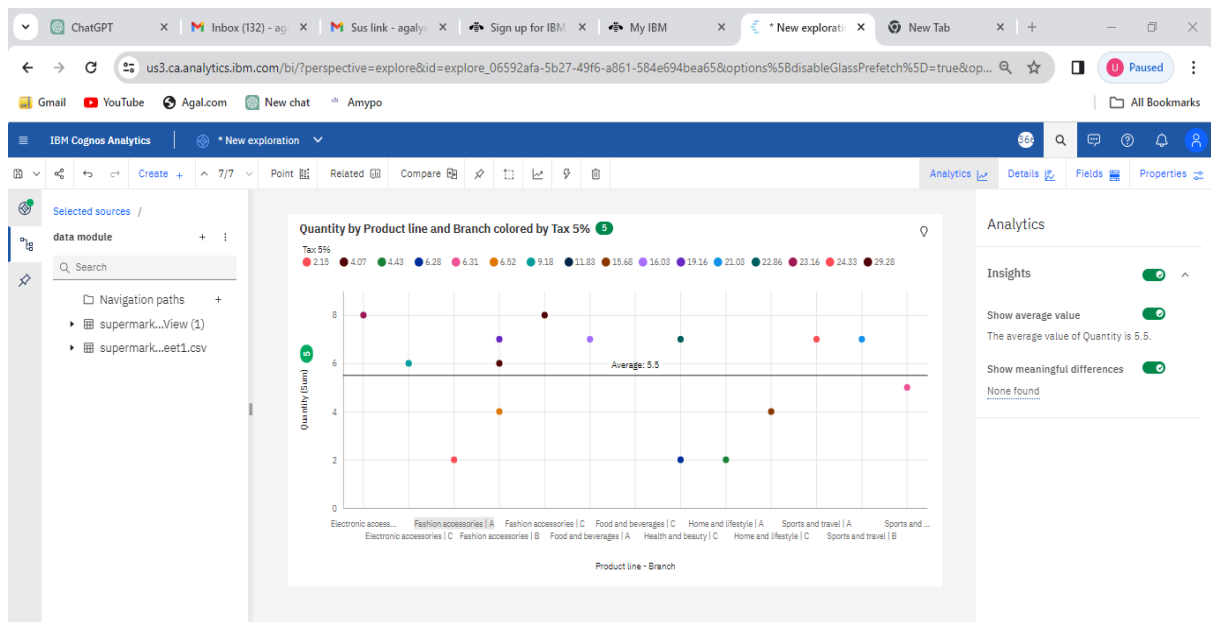




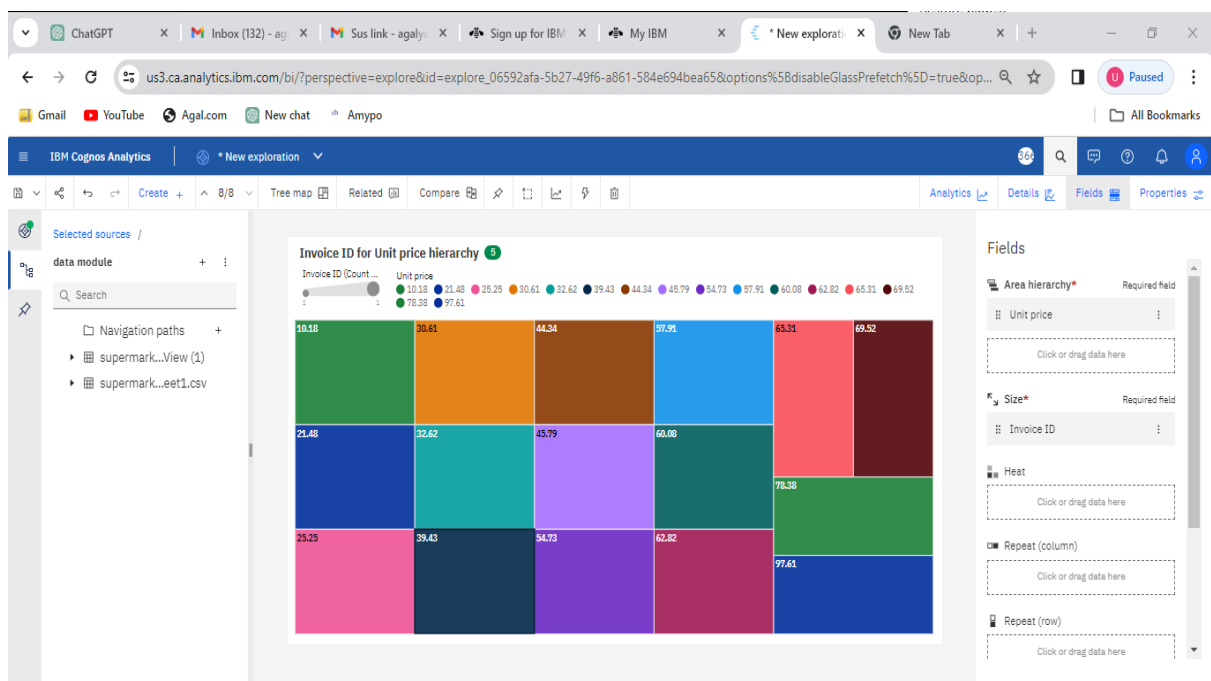
## STEP 9 : Visualization of Quantity by Product line and Branch colored by Tax 5%.

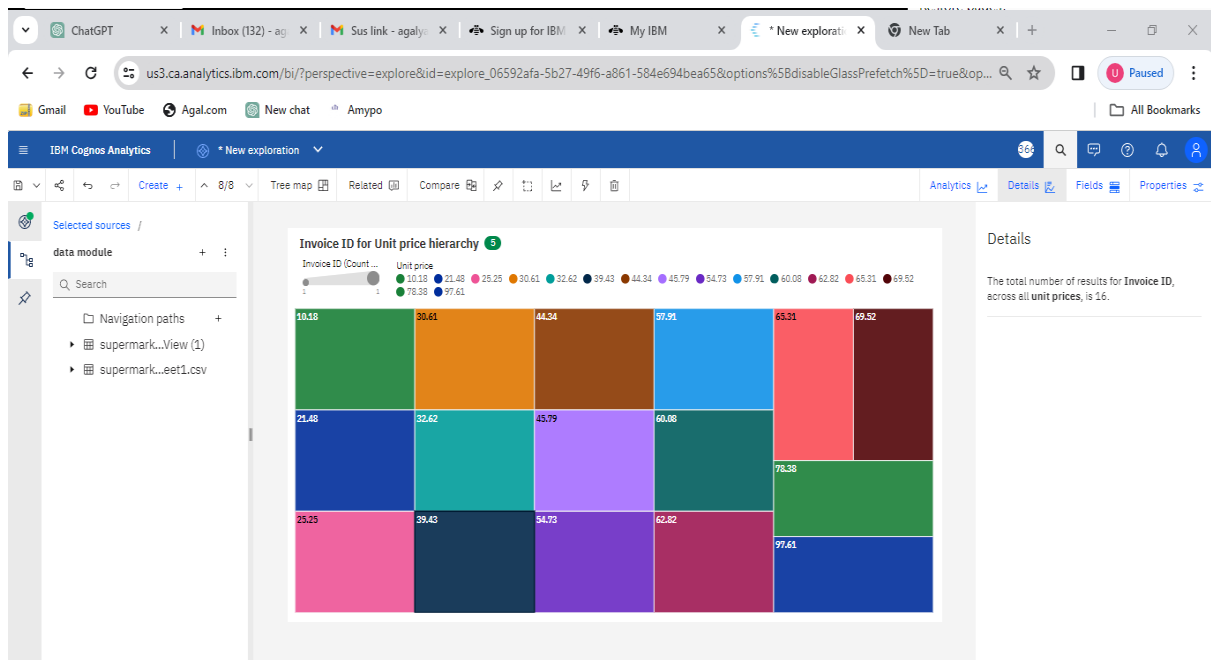






## STEP 10 : Visualization of Invoice ID for Unit price hierarchy.





## STEP 11 : Visualization of Invoice ID, Branch and Gender.

**Invoice ID, Branch and Gender**

Invoice ID	Branch	Gender
101-17-6199	A	Male
101-81-4070	C	Female
102-06-2002	C	Male
102-77-2261	C	Male
105-10-6182	A	Male
109-31-1824	A	Male
106-35-6779	A	Male
109-28-2912	B	Female
109-86-4363	B	Female
110-05-6830	C	Female
110-48-7033	B	Male
114-35-9271	B	Female
115-38-7388	C	Female

Fields

Columns\*

Invoice ID

Branch

Gender

Local filters