

DA ASSIGNMENT 1

Step 1 : Uploading the dataset.

The screenshot shows the IBM Cognos Analytics web interface. The browser tabs include WhatsApp, IBM, (2357) Data Analytics Session, NM Engineering DA Assignment, Supermarket sales | Kaggle, and Home. The URL is us1.ca.analytics.ibm.com/bi/?perspective=home. The interface features a 'Quick launch' section with buttons for 'Upload data', 'Prepare data', 'Exploration', and 'Present data'. Below this, the 'Recent' tab is active, displaying a list of files. A blue bar at the top of the file list indicates '1 item selected' and provides actions: 'More +', 'Create v', 'Remove from recent', 'Delete', and 'Cancel'. The file list contains two items: 'archive.zip' (last accessed 22/04/2023, 9:08 AM) and 'Sample - Superstore.xls' (last accessed 19/04/2023, 3:22 AM). The Windows taskbar at the bottom shows the date as 22-04-2023 and the time as 19:39.

File Name	Last Accessed
archive.zip	22/04/2023, 9:08 AM
Sample - Superstore.xls	19/04/2023, 3:22 AM

Step 2 : Clear the unnecessary data into dataset.

The screenshot shows the IBM Cognos Analytics interface with a data table displayed. The browser tabs include My IBM, supermarket data module, and Verify your identity - jananisund. The URL is us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=i2E8568F834E64F68B9ADE591C22DC94B&objRef=i2E8568F834E64F68B9ADE591C22DC94B&tid=4029814148_d2da04b9e3c448c8add5cc64dab045f0_sessionTe.... The interface shows a 'Maintenance' message: 'The upgrade is now complete. Click on More Info to see what actions may be necessary and to subscribe to future events'. The 'Data module' sidebar on the left shows 'supermarket data module' and 'archive.zip'. The main table has the following columns: Row Id, Invoice ID, Branch, City, Customer type, Gender, Product line, and Unit price. The table contains 10 rows of data.

Row Id	Invoice ID	Branch	City	Customer type	Gender	Product line	Unit price
57	106-35-6779	A	Yangon	Member	Male	Home and lifestyle	44.34
68	109-28-2512	B	Mandalay	Member	Female	Fashion accessories	97.61
163	101-17-6199	A	Yangon	Normal	Male	Food and beverages	45.79
170	105-31-1824	A	Yangon	Member	Male	Sports and travel	69.52
256	110-48-7033	B	Mandalay	Member	Male	Fashion accessories	32.62
401	110-05-6330	C	Naypyitaw	Normal	Female	Food and beverages	39.43
684	105-10-6182	A	Yangon	Member	Male	Fashion accessories	21.48
777	102-77-2261	C	Naypyitaw	Member	Male	Health and beauty	65.31
779	102-06-2002	C	Naypyitaw	Member	Male	Sports and travel	25.25
825	109-86-4363	B	Mandalay	Member	Female	Sports and travel	60.08
868	101-81-4070	C	Naypyitaw	Member	Female	Health and beauty	62.82

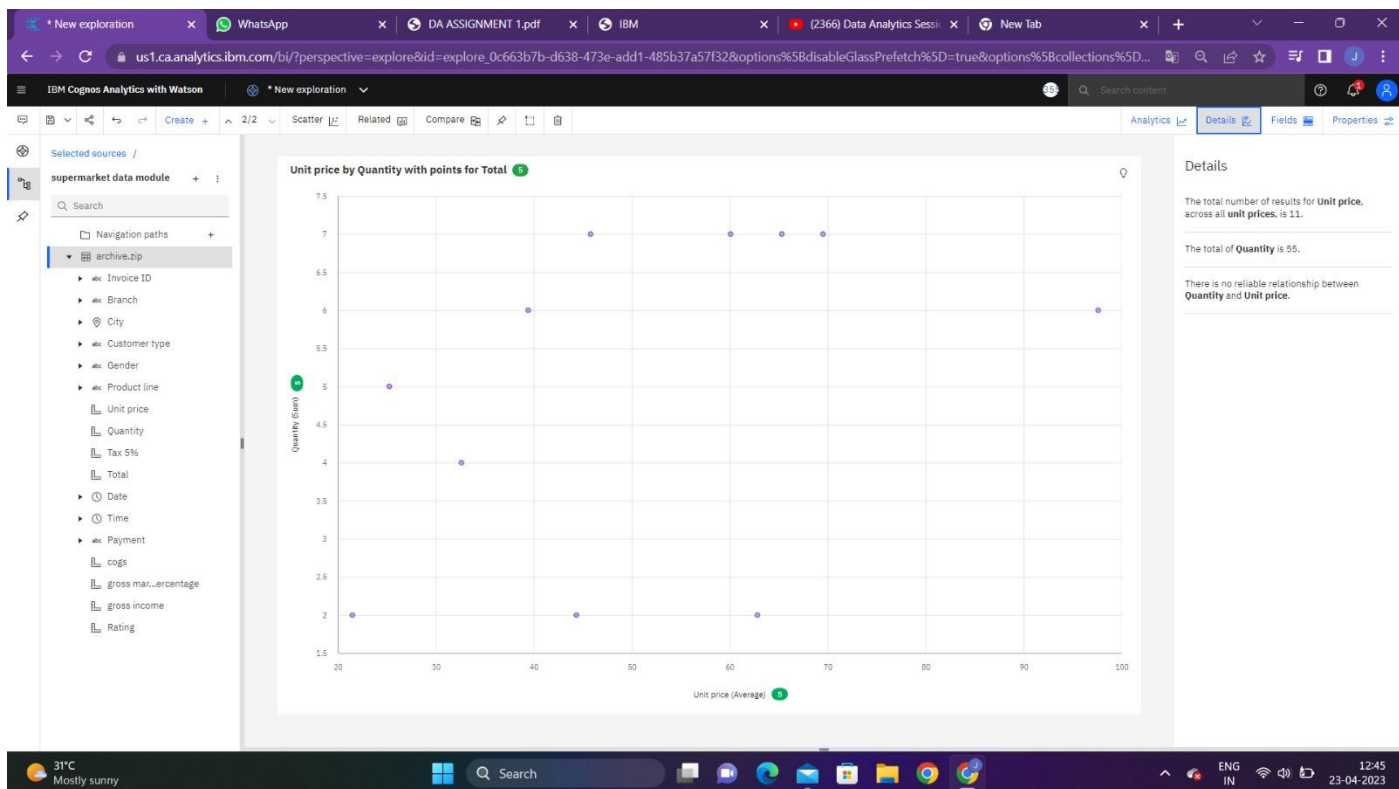
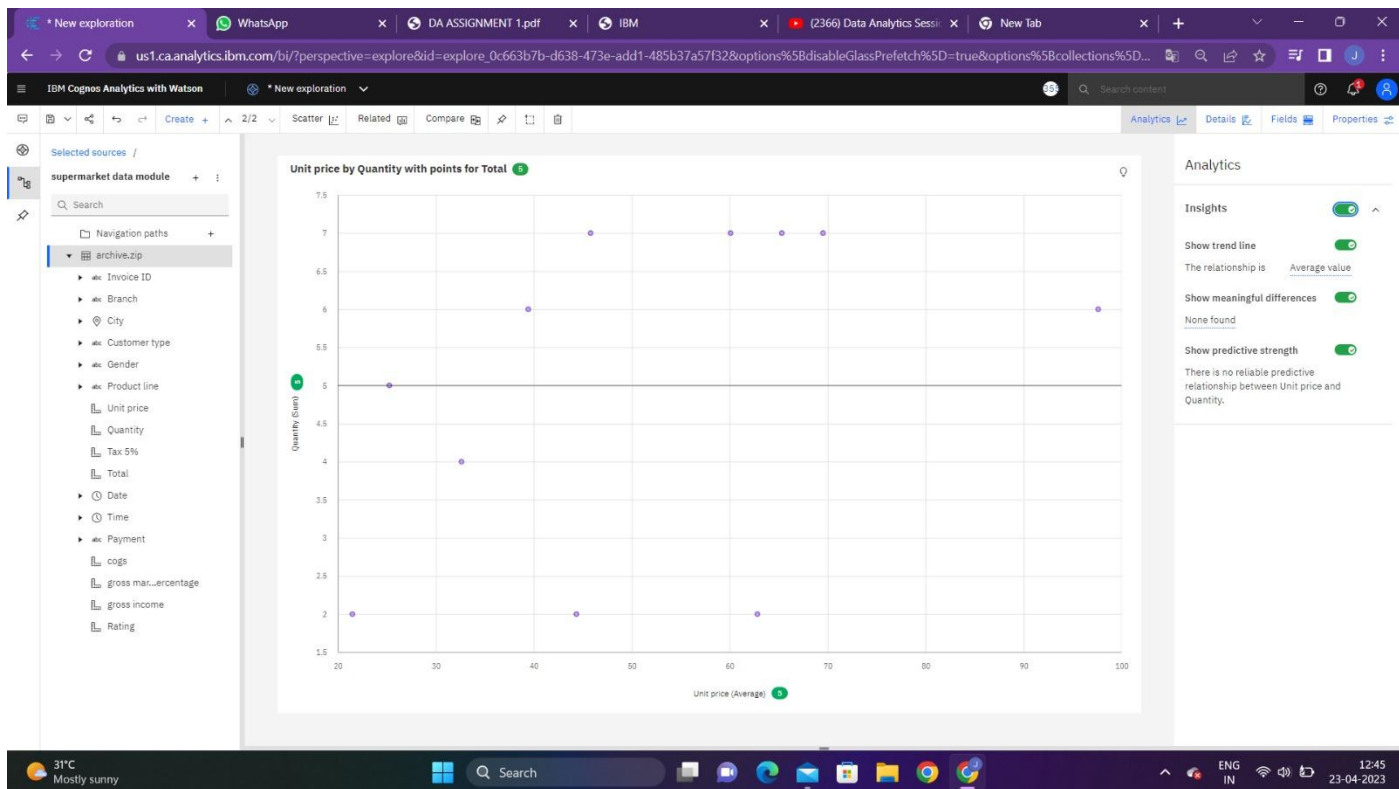
Step 3 : Creating a custom table to view its definition.

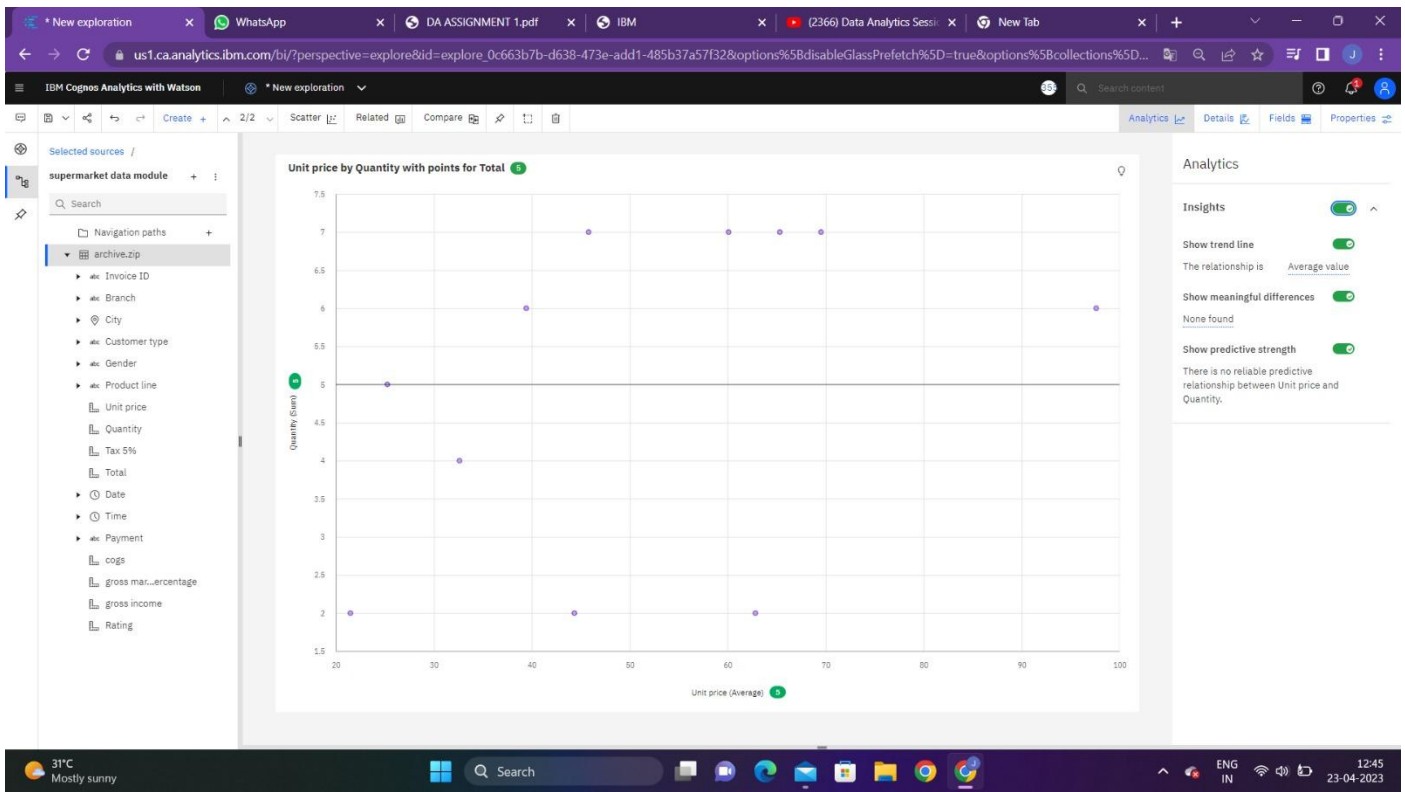
The screenshot shows the IBM Cognos Analytics web interface. The browser tabs include 'My IBM', 'supermarket data module', and 'Verify your identity - jananisund'. The URL is us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=i2E8568F834E64F6889ADE591C22DC948&objRef=i2E8568F834E64F6889ADE591C22DC948&tid=4029814148_d2da04b9e3c448c8add5cc64dab045f0_sessionTe.... The interface shows the 'Data module' sidebar on the left with 'supermarket data module' expanded, containing 'Navigation paths', 'supermarket sales', and 'archive.zip'. The main area is titled 'supermarket sales' and shows a relationship diagram with 'archive.zip' and 'supermarket sales' connected by a funnel icon. The bottom of the screen shows a Windows taskbar with various application icons and a system tray with the date '24-04-2023' and time '11:33 AM'.

Step 4 : Data Exploration.

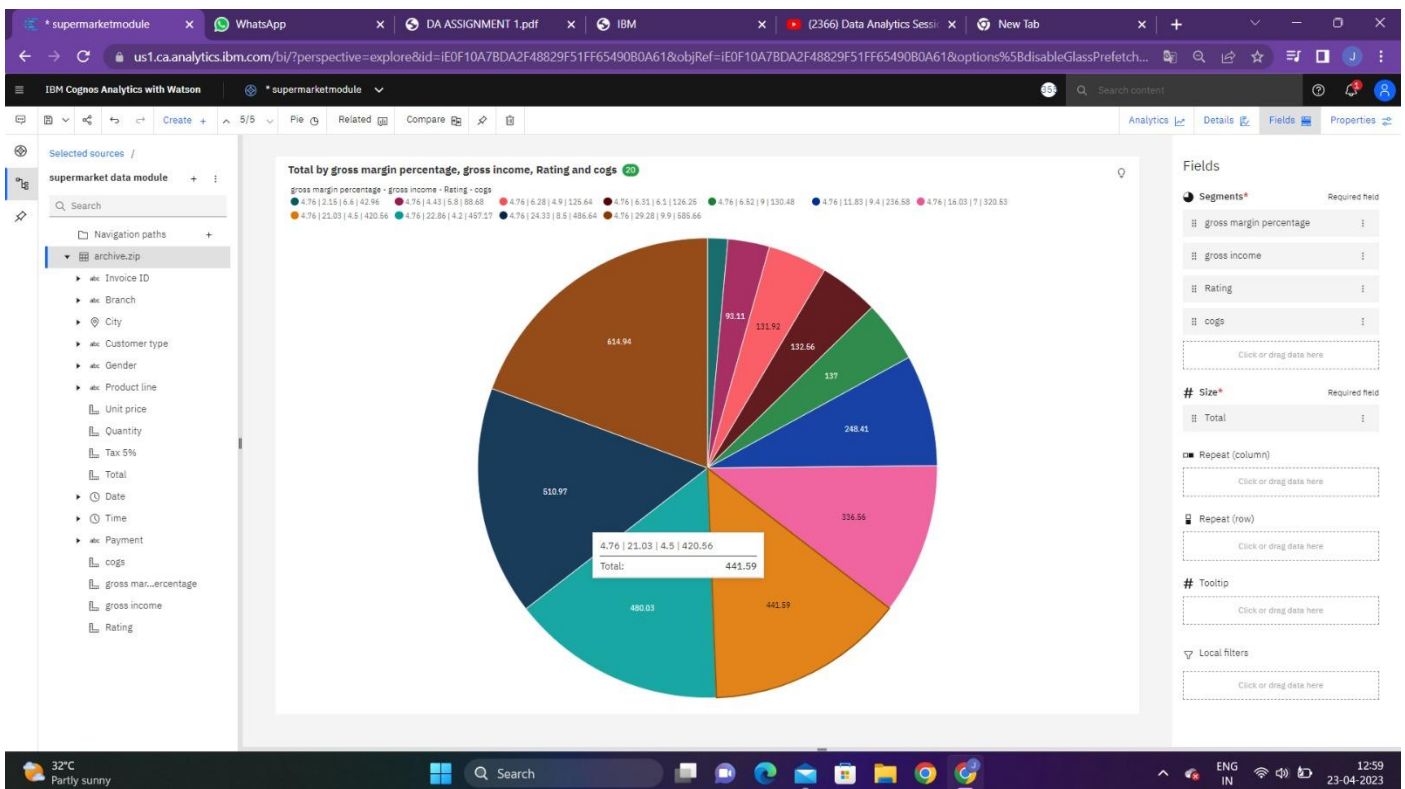
The screenshot shows the IBM Cognos Analytics web interface in the 'Data Exploration' view. The browser tabs include 'WhatsApp', 'NM Engineering DA Assignment', and 'New exploration'. The URL is us1.ca.analytics.ibm.com/bi/?perspective=explore&id=explore_214d75f4-6bdc-4fd6-b43e-3de5ed880e9a&options%5BdisableGlassPrefetch%5D=true&options%5Bcollections%5D%5Bc.... The interface shows the 'Cards' sidebar on the left with 'Data relationships' selected. The main area is titled 'Explore data relationships' and shows a relationship diagram with 'Total' as the central node, connected to 'City', 'Tax 5%', 'Variance', 'Branch', 'gross income', 'Unit price', and 'avg'. The right sidebar shows a 'Select a visualization' panel with a 'Total' card displaying '3.17K' and a 'Total and Unit price by Date' bar chart. The bottom of the screen shows a Windows taskbar with various application icons and a system tray with the date '23-04-2023' and time '11:08'.

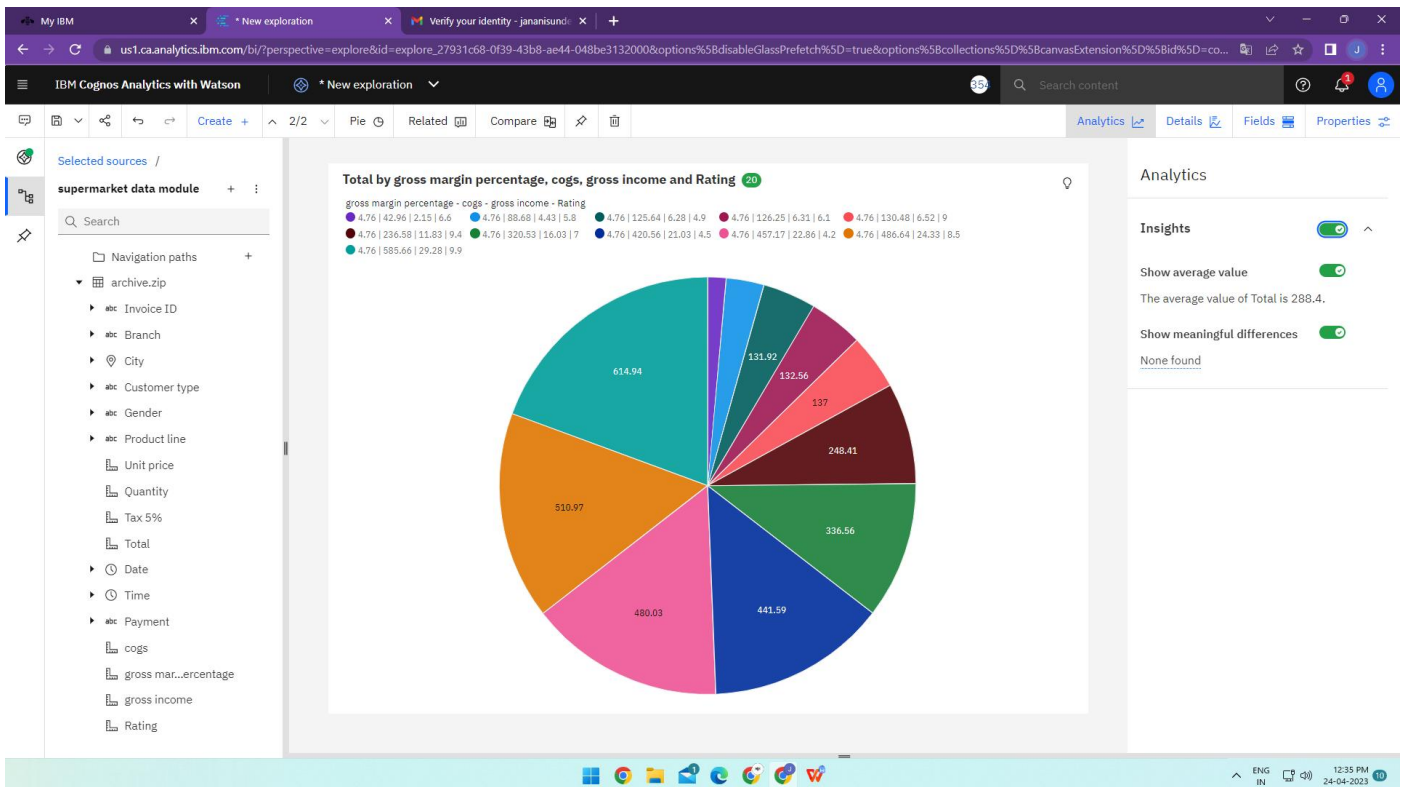
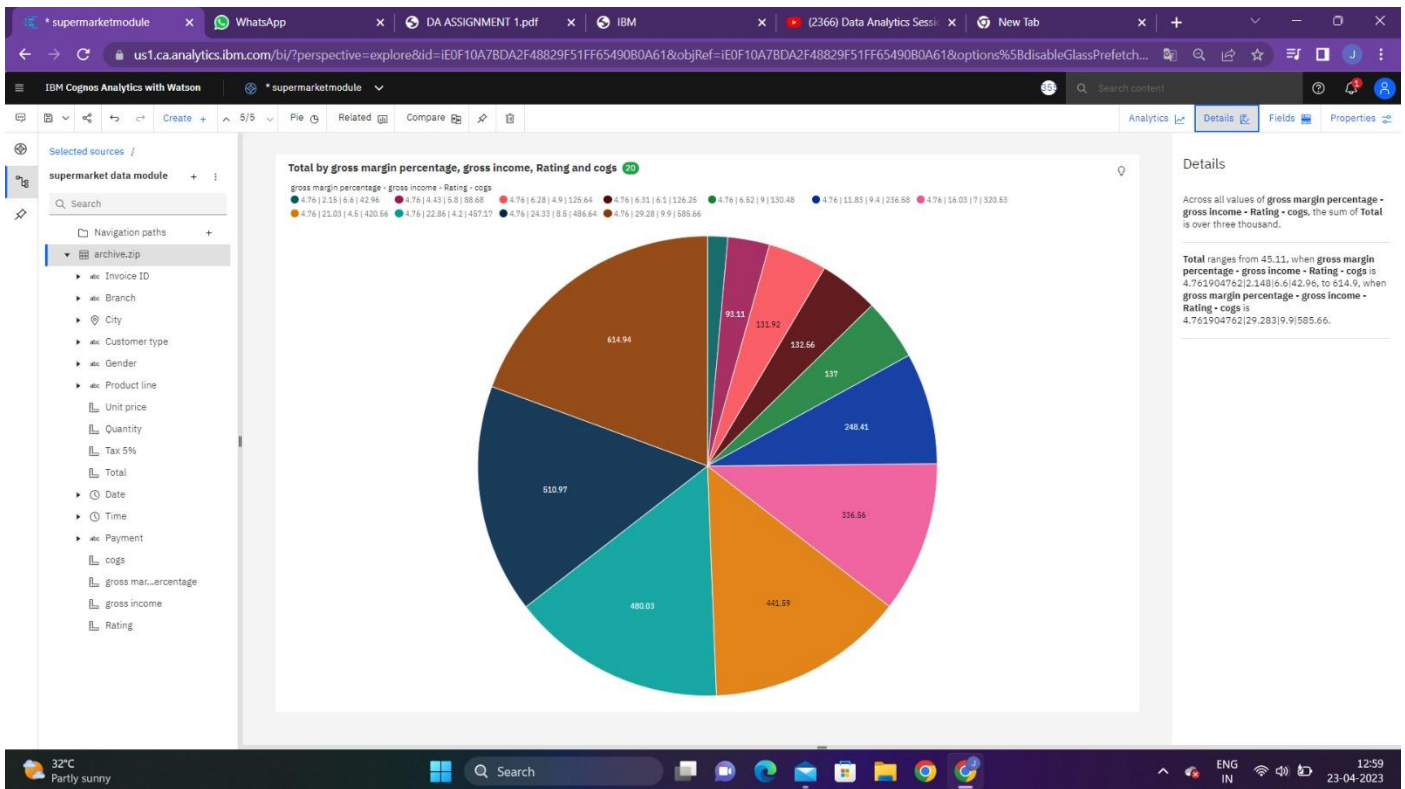
Step 5 : Visualization of Unit price by Quantity with points for total.



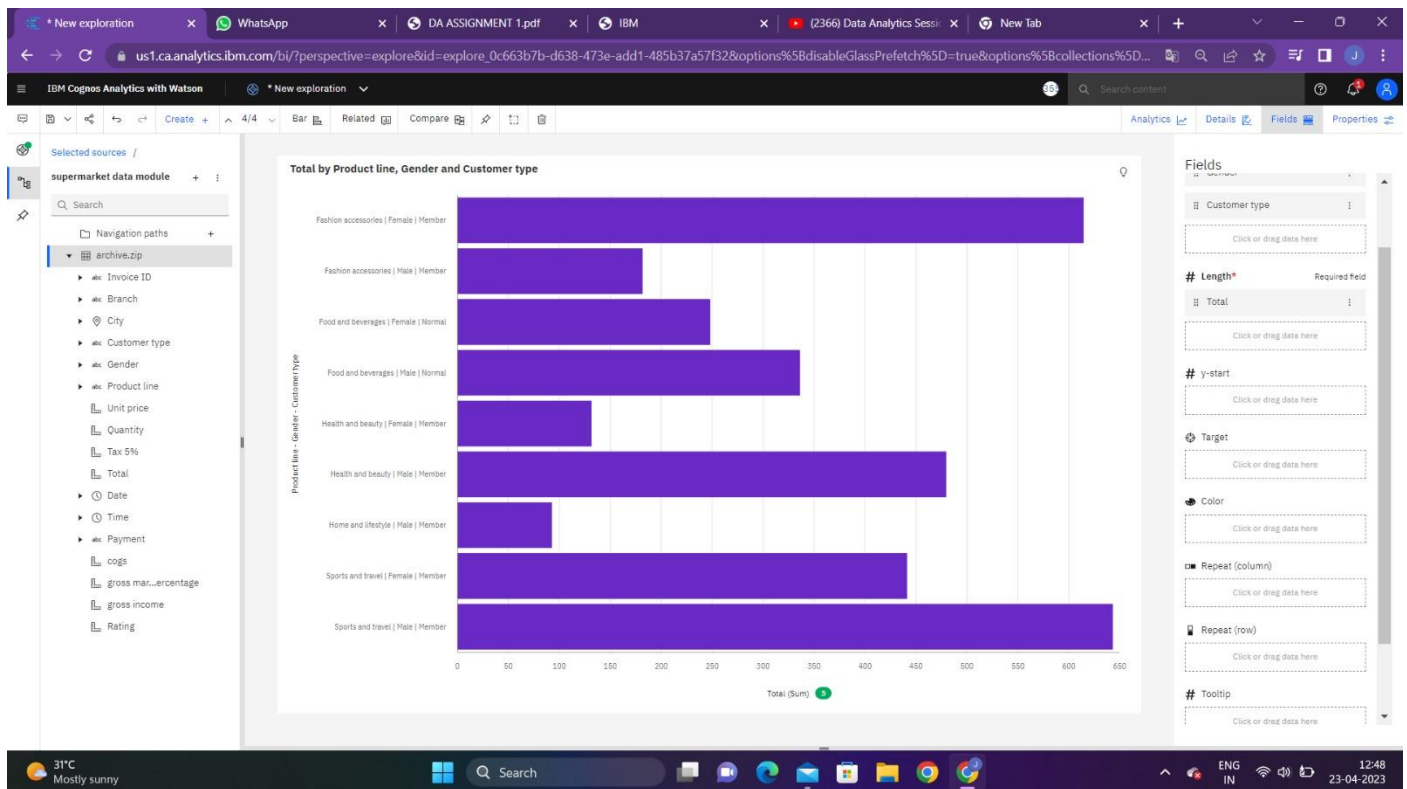


Step 6 : Visualization of Total by gross margin percentage, gross income, rating and cogs.

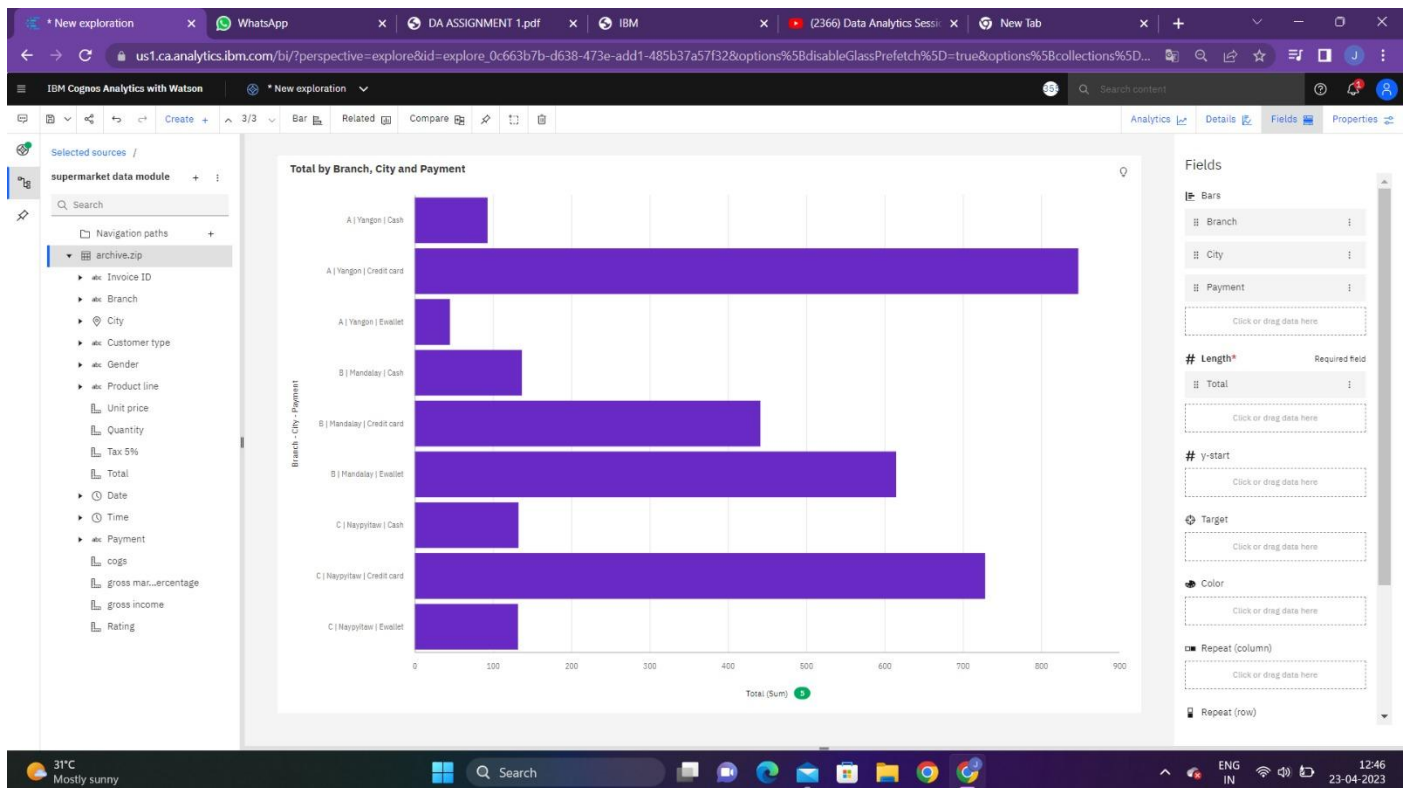




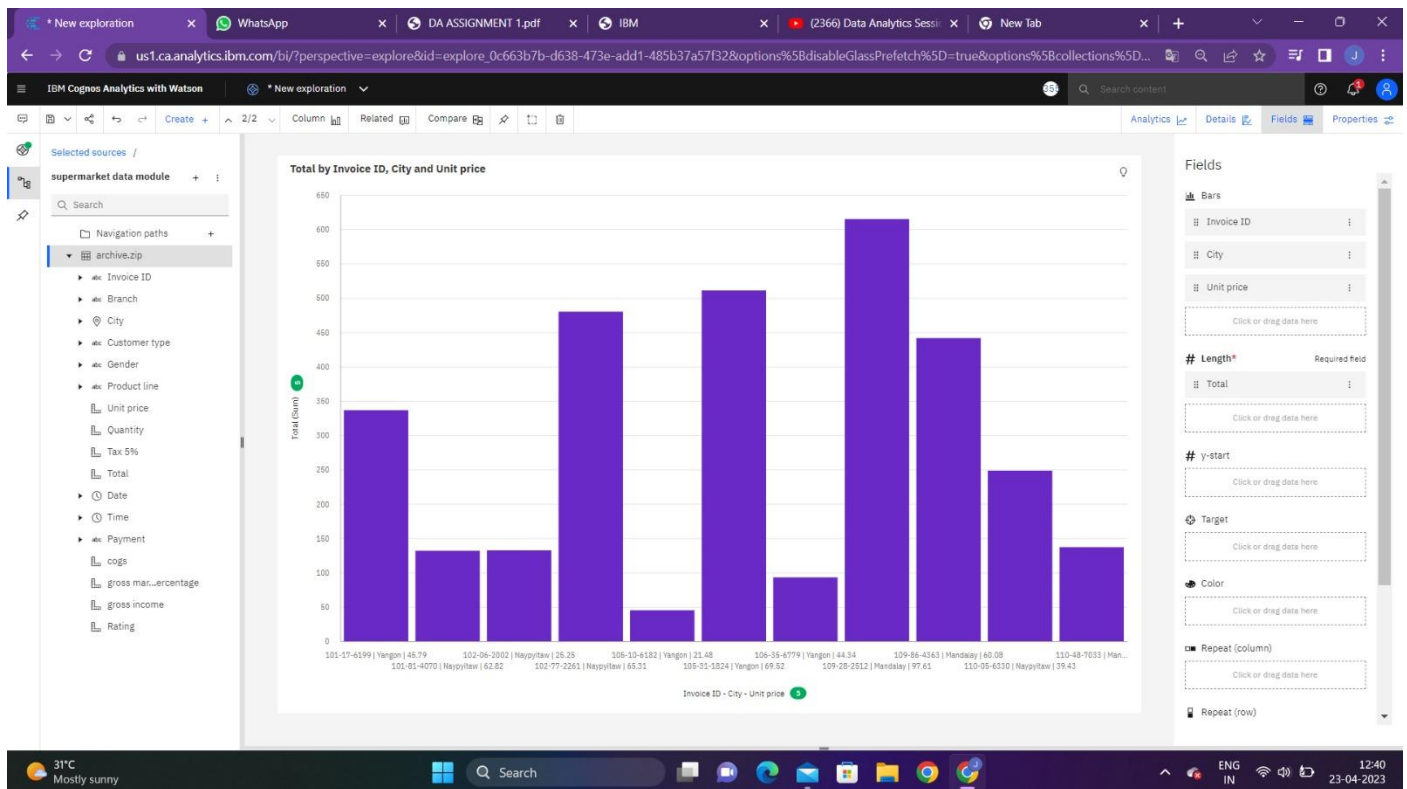
Step7: Visualization of Total by Product line, Gender and Customer type.



Step 8 : Visualization of Total by Branch, City and Payment.



Step 9 : Visualaization of Total by Invoice id, City and unit price.



Step 10 : Visualization of Total by Quantity

