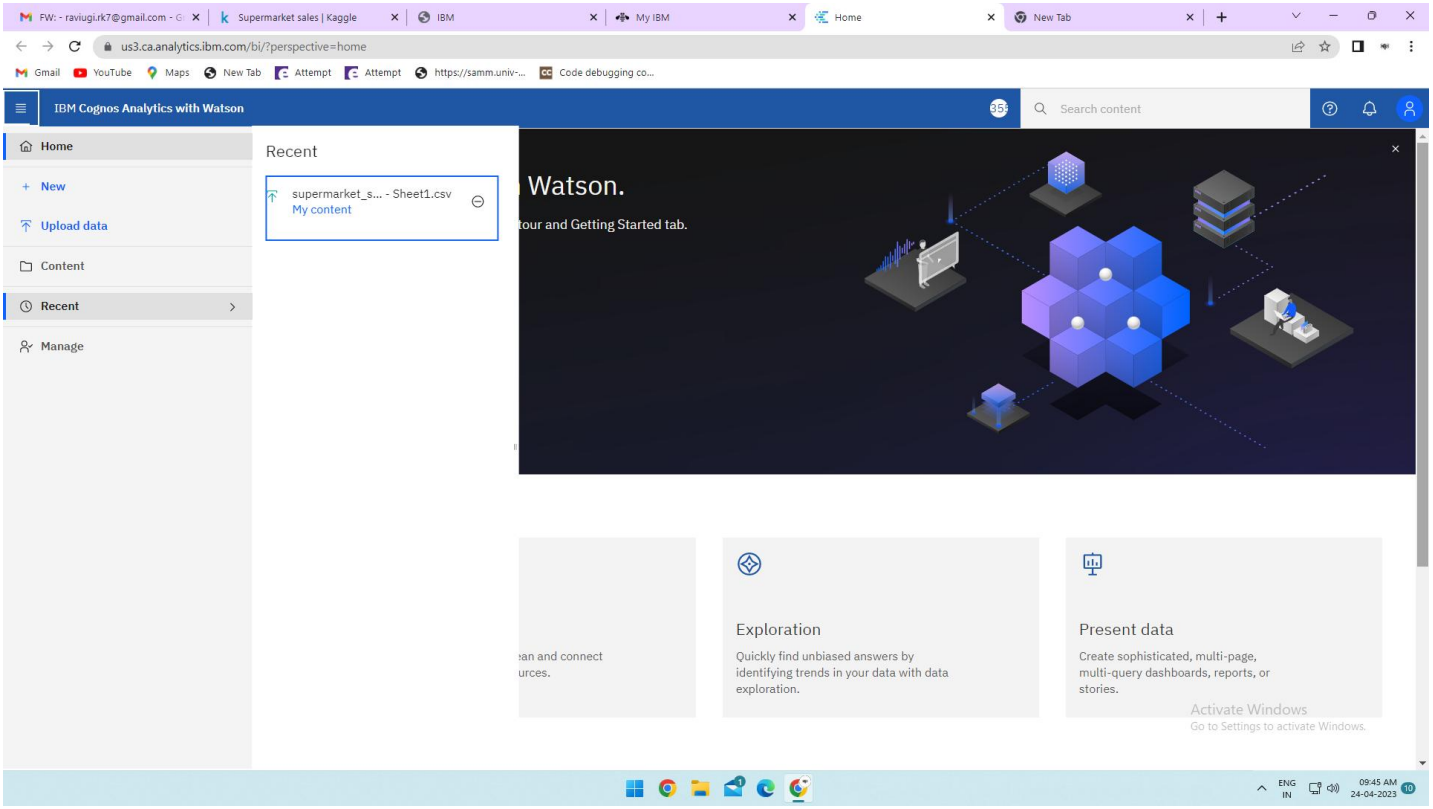
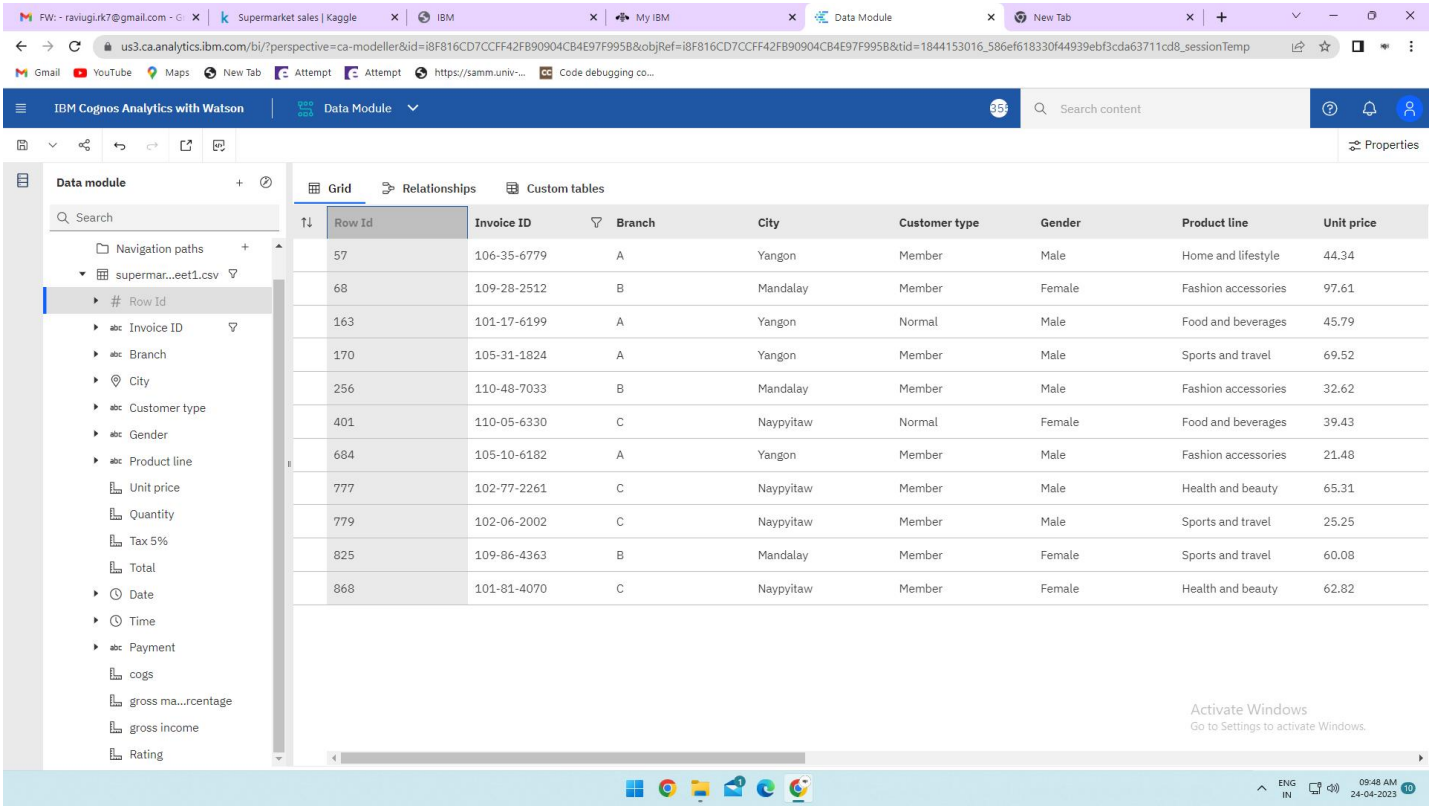
DA ASSIGNMENT 1

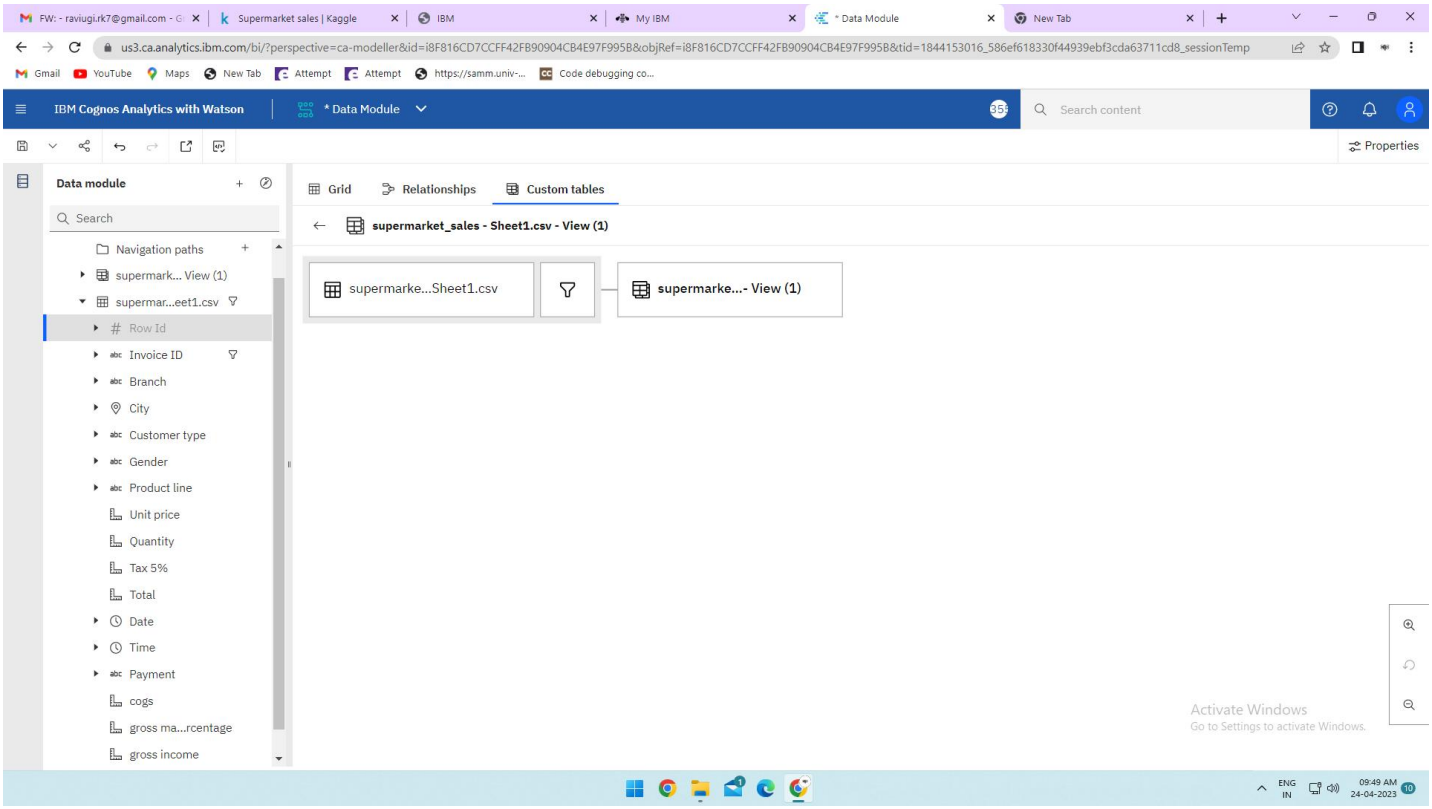
Step 1 : Uploading the dataset.



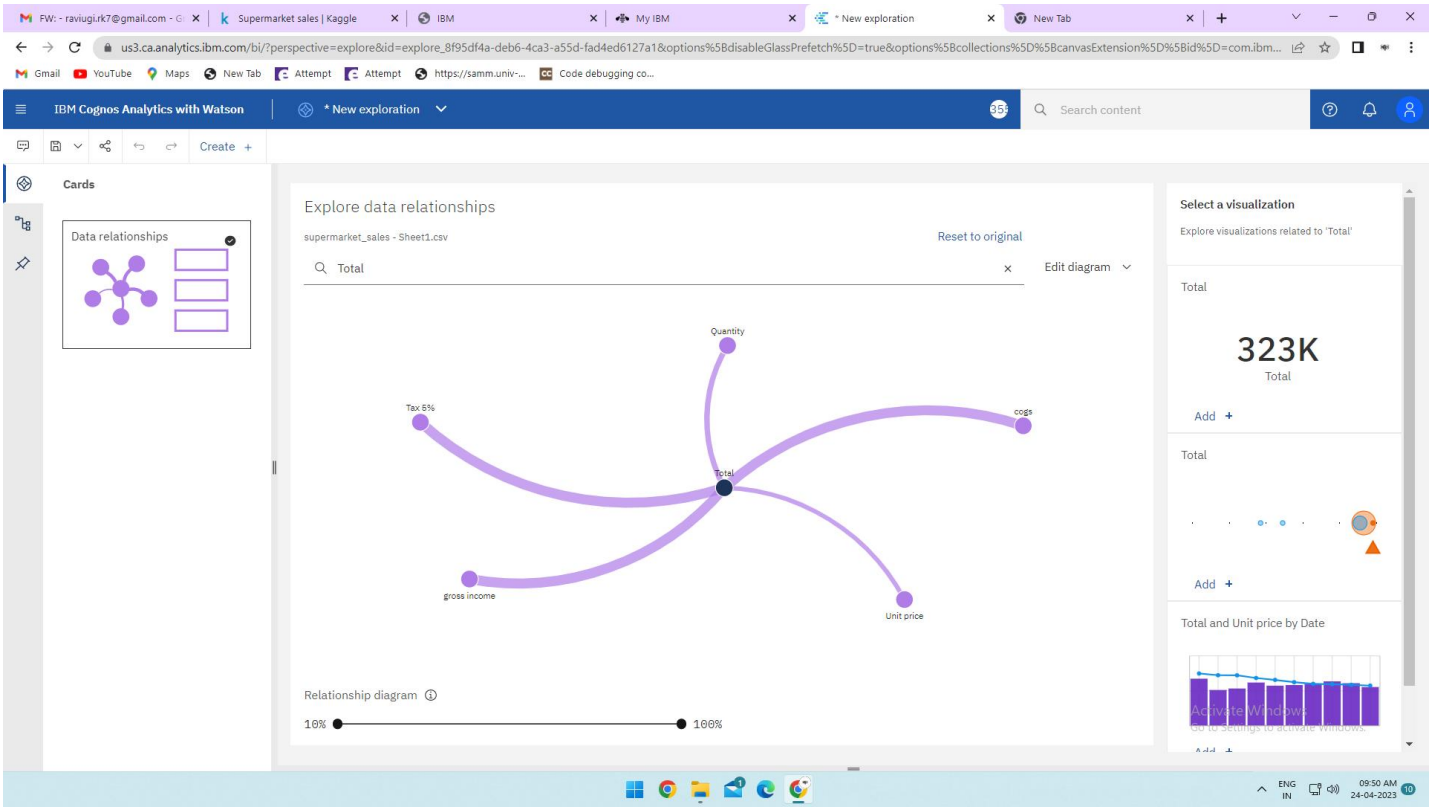
Step 2 : Clear the unnecessary data into the dataset.



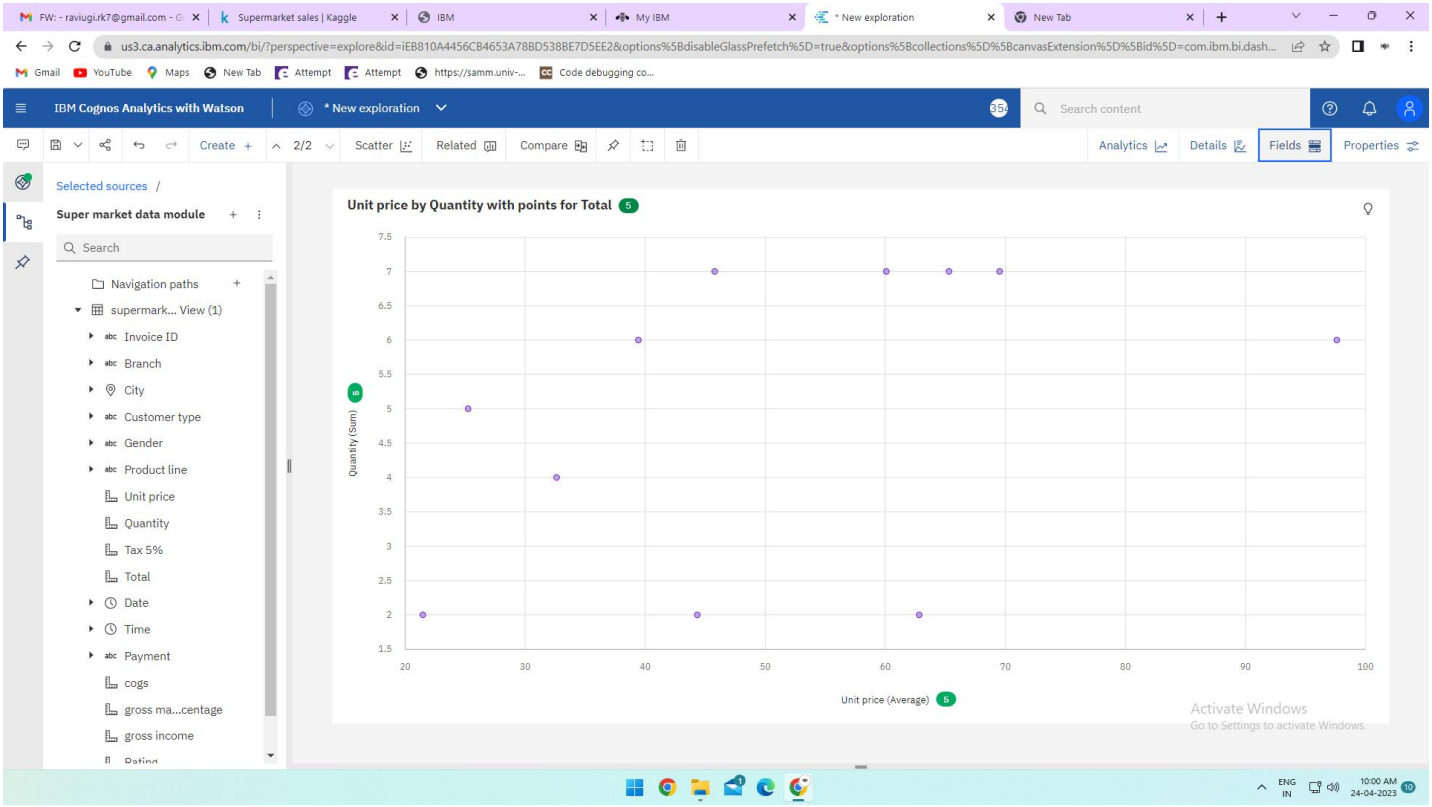
Step 3 : Creating a custom table to view its definition.

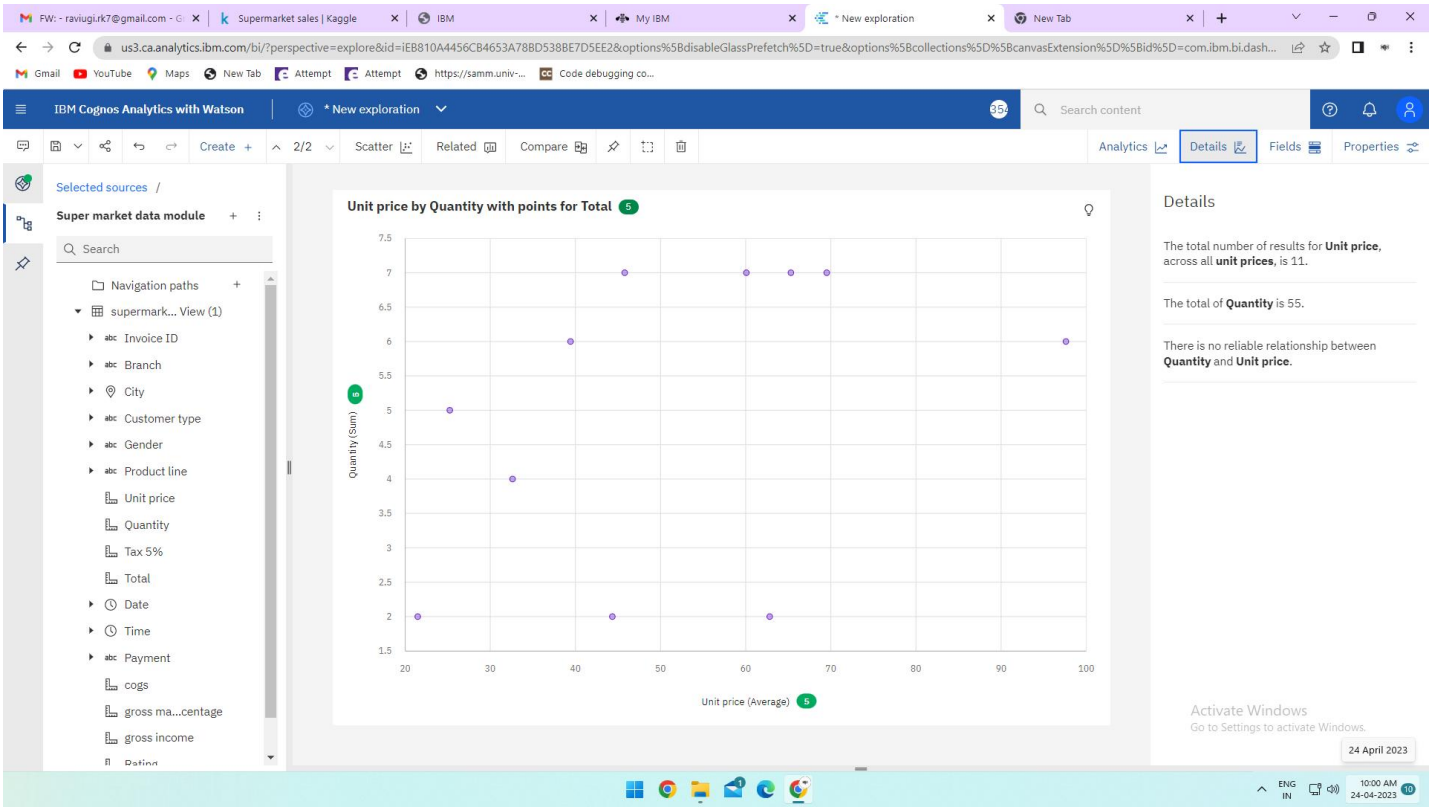


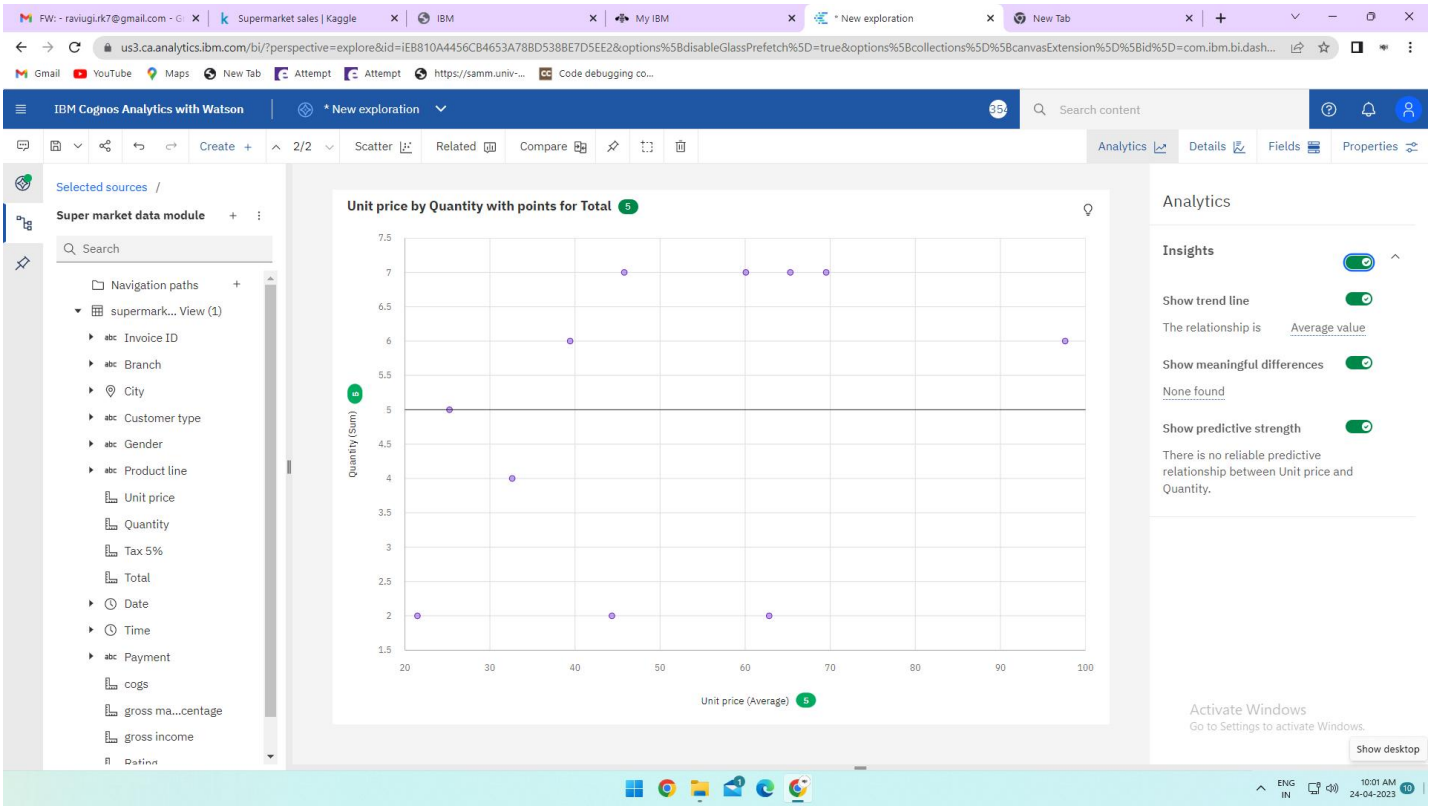
Step 4 : Data Exploration .



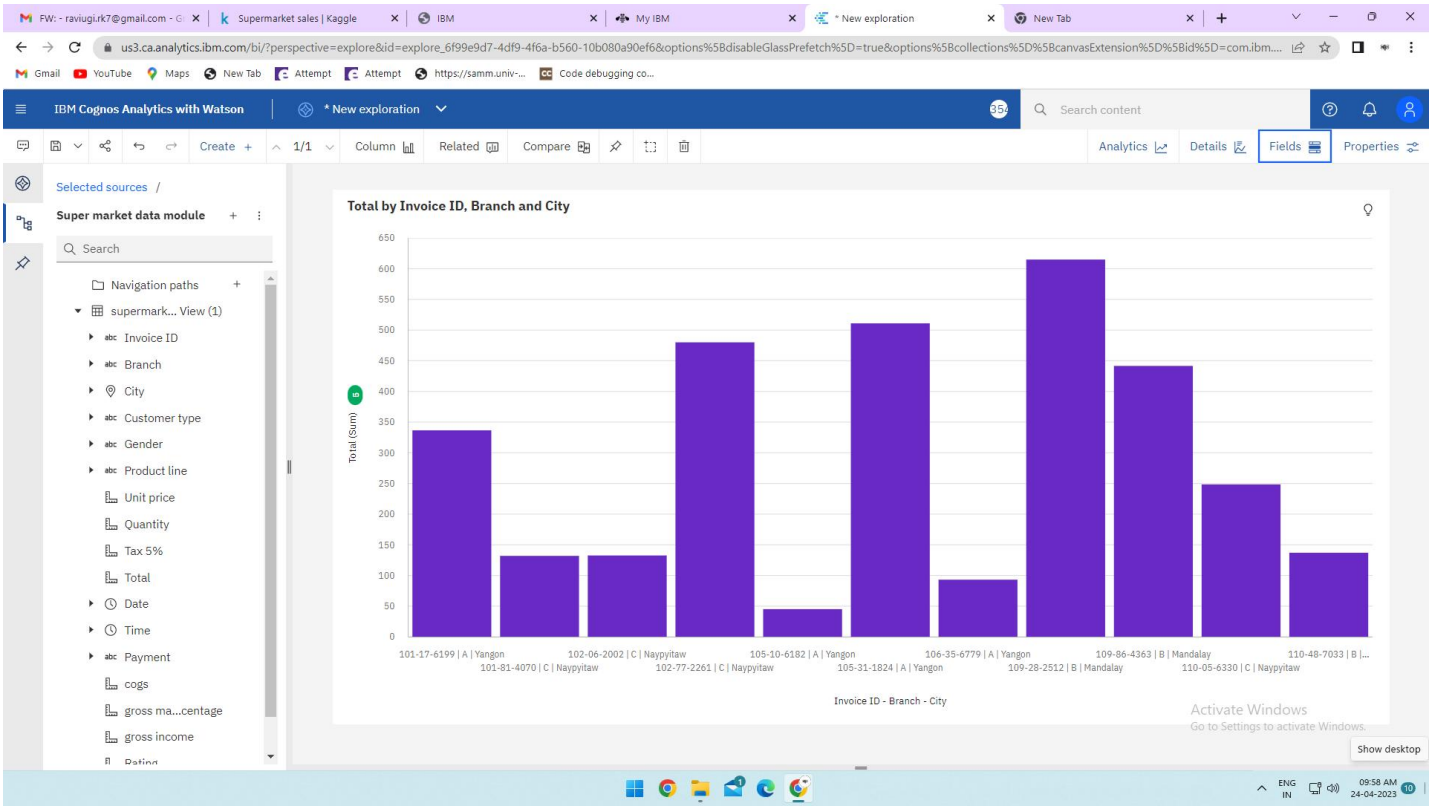
Step 5 : Visualization of Unit price by quantity with points for Total .

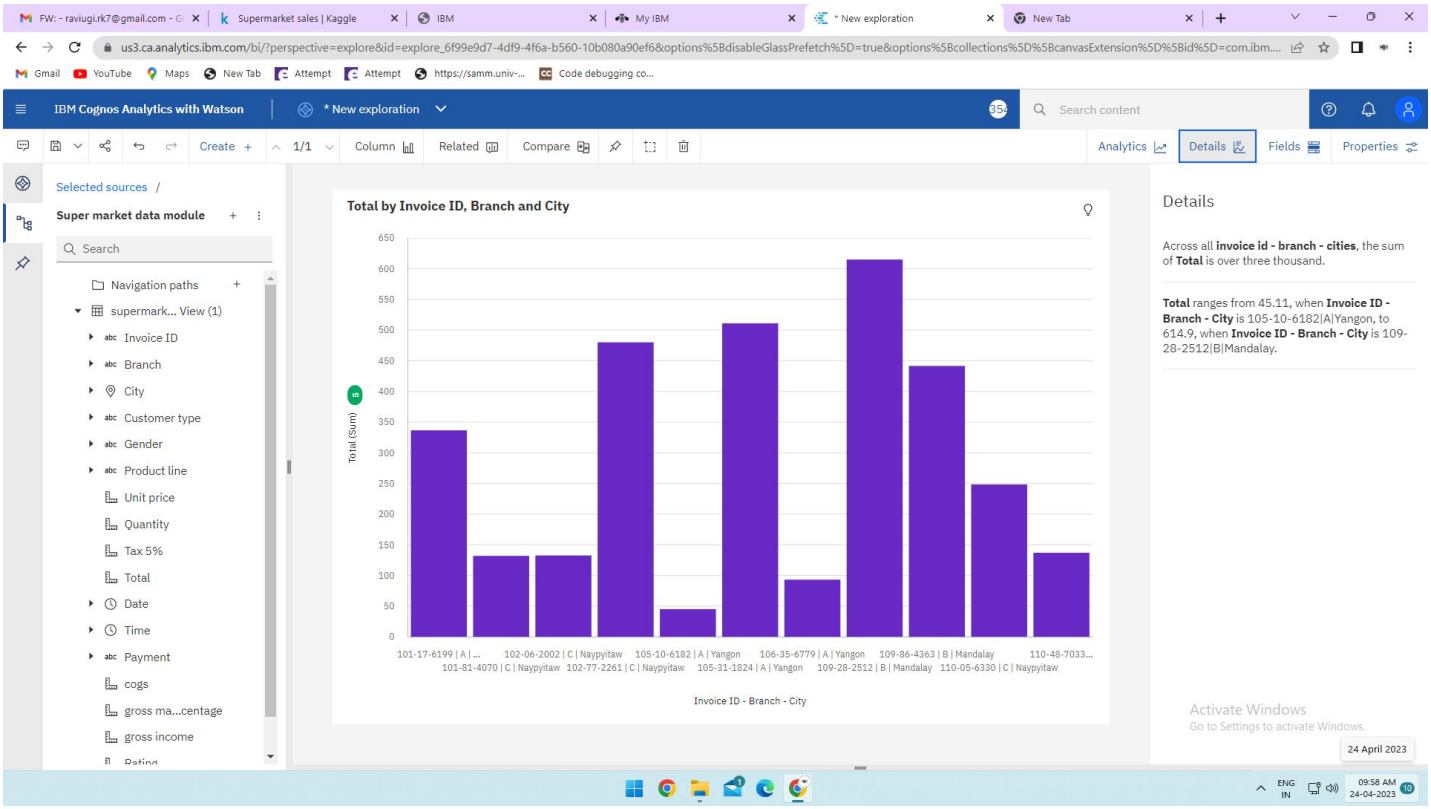


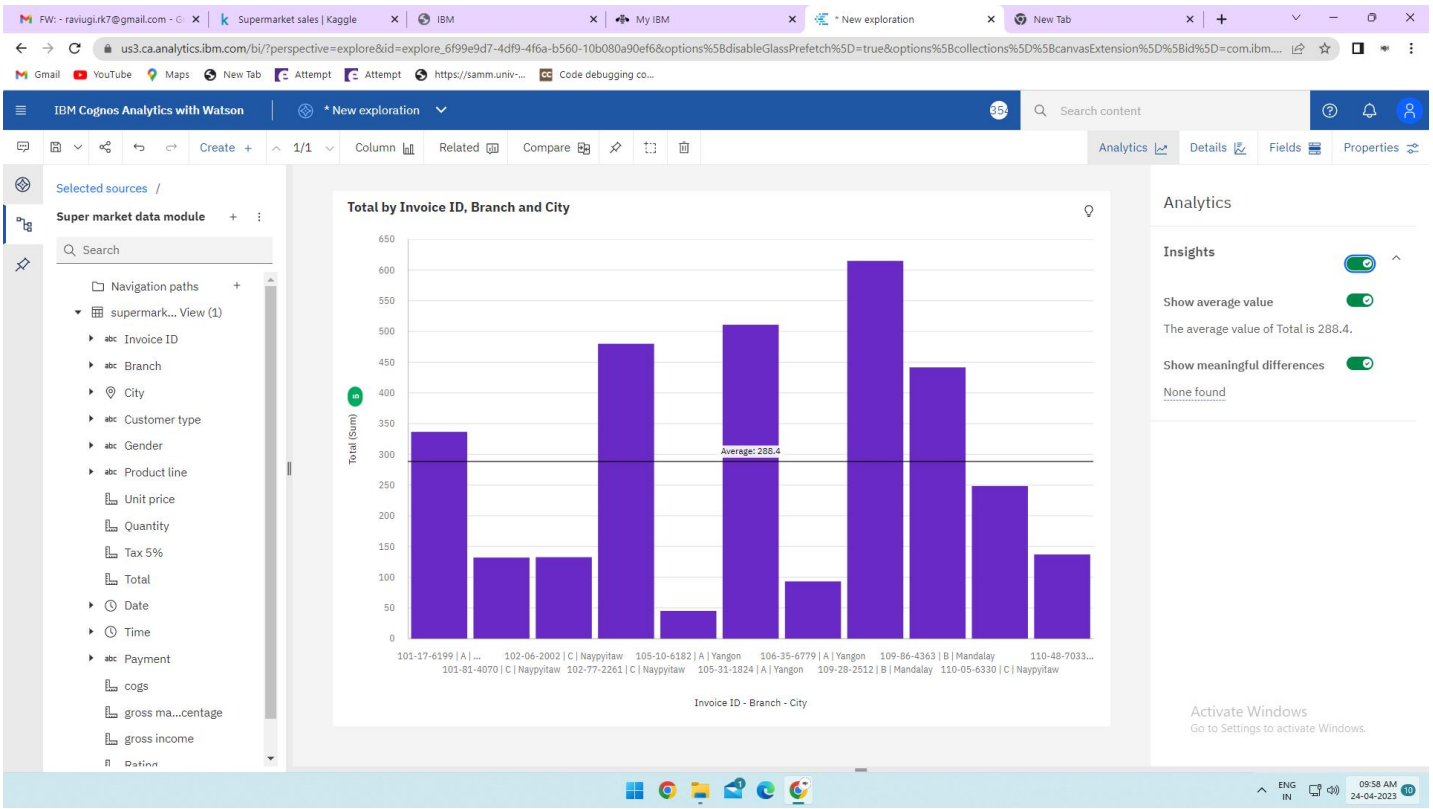




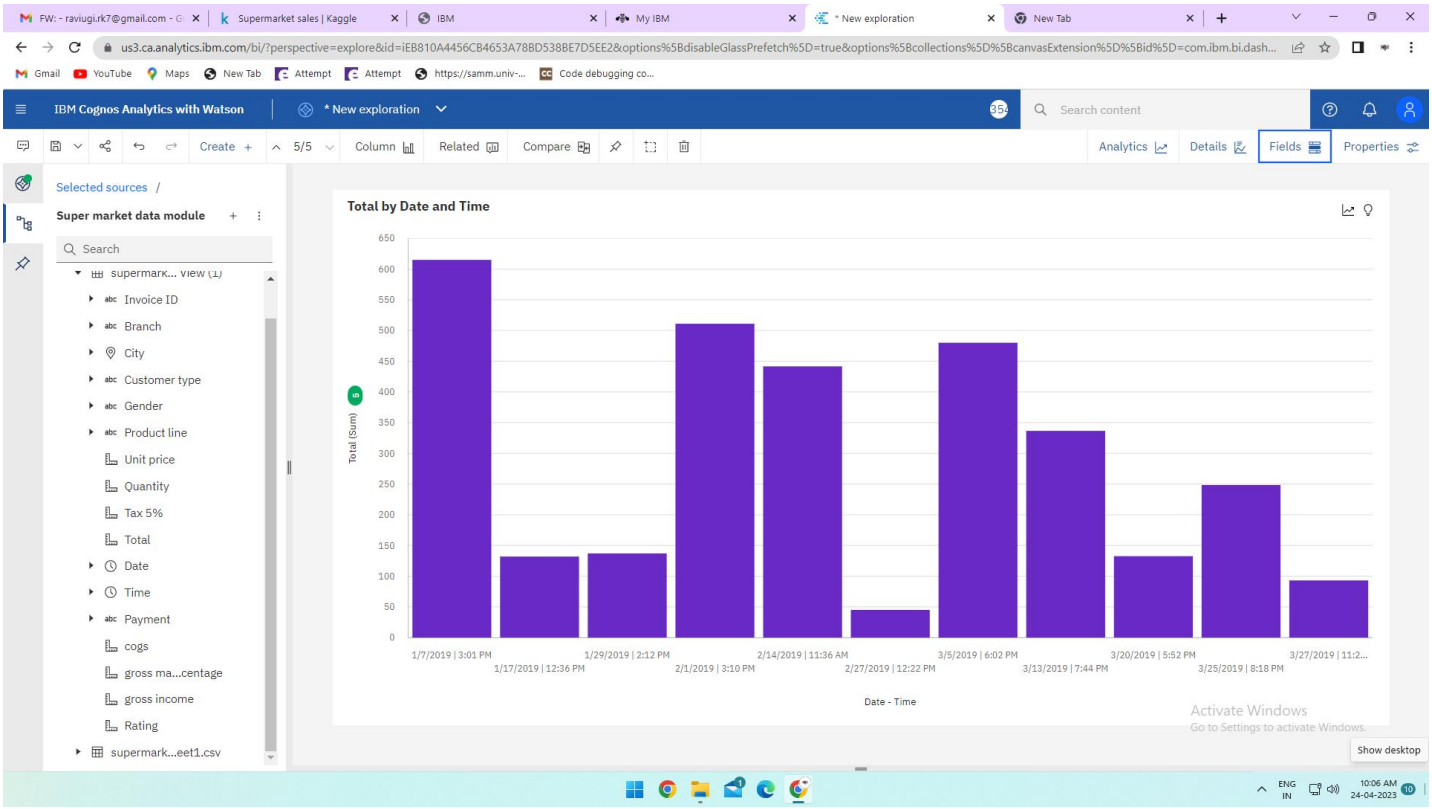
Step 6 :Visualization of Invoice ID, Branch and City.

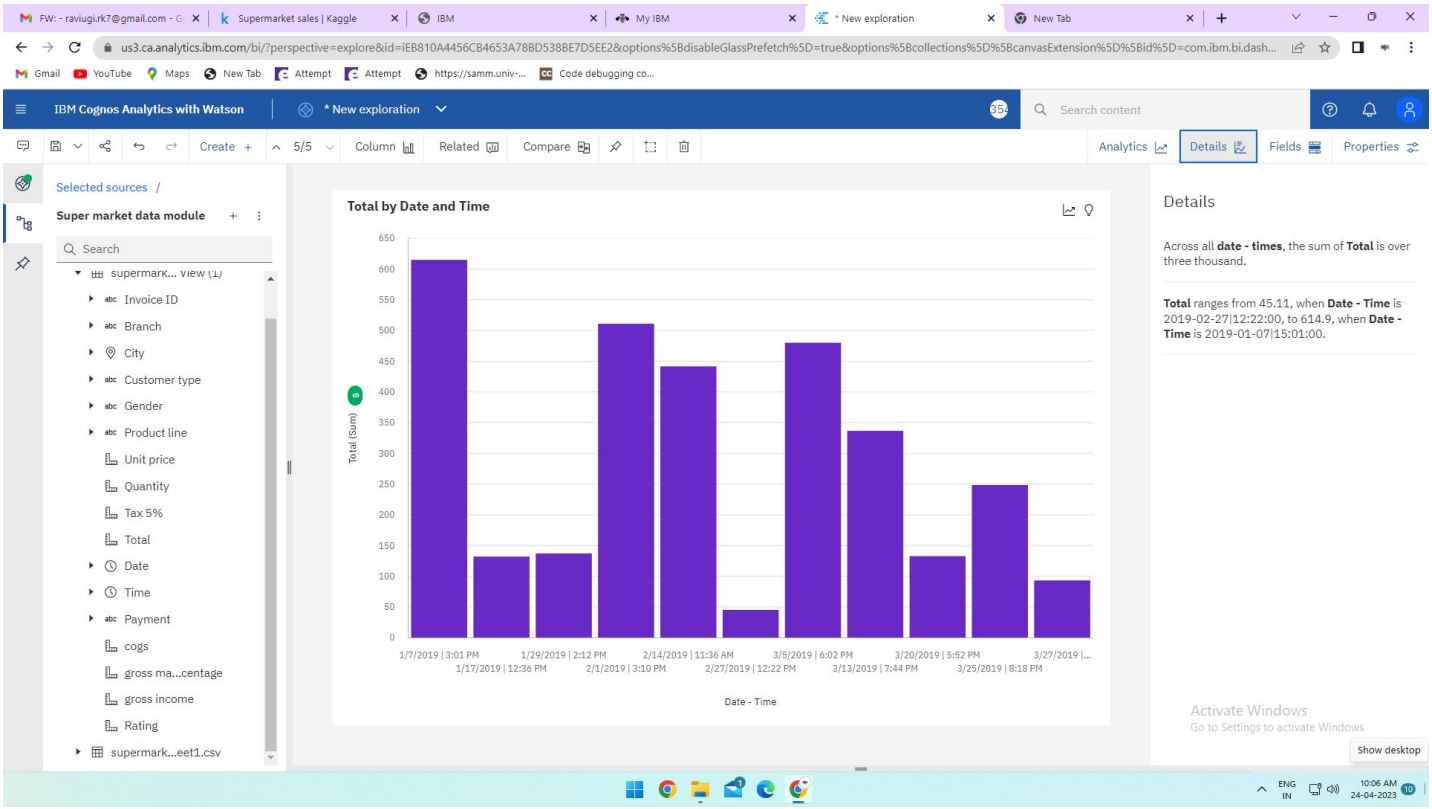



IBM Cognos Analytics with Watson
* New exploration
Search content
Create
Column
Related
Compare
Analytics
Details
Fields
Properties
Selected sources
Super market data module
Search
Navigation paths
supermark... View (1)
Invoice ID
Branch
City
Customer type
Gender
Product line
Unit price
Quantity
Tax 5%
Total
Date
Time
Payment
cogs
gross ma...centage
gross income
Total by Invoice ID, Branch and City
Total (Sum)
650
600
550
500
450
400
350
300
250
200
150
100
50
0
101-17-6199 | A | ...
102-06-2002 | C | Naypyitaw
105-10-6182 | A | Yangon
106-35-6779 | A | Yangon
109-86-4363 | B | Mandalay
110-48-7033...
101-81-4070 | C | Naypyitaw
102-77-2261 | C | Naypyitaw
105-31-1824 | A | Yangon
109-28-2512 | B | Mandalay
110-05-6330 | C | Naypyitaw
Invoice ID - Branch - City
Details
Across all invoice id - branch - cities, the sum of Total is over three thousand.
Total ranges from 45.11, when Invoice ID - Branch - City is 105-10-6182|A|Yangon, to 614.9, when Invoice ID - Branch - City is 109-28-2512|B|Mandalay.
Activate Windows
Go to Settings to activate Windows.
24 April 2023
09:58 AM
24-04-2023

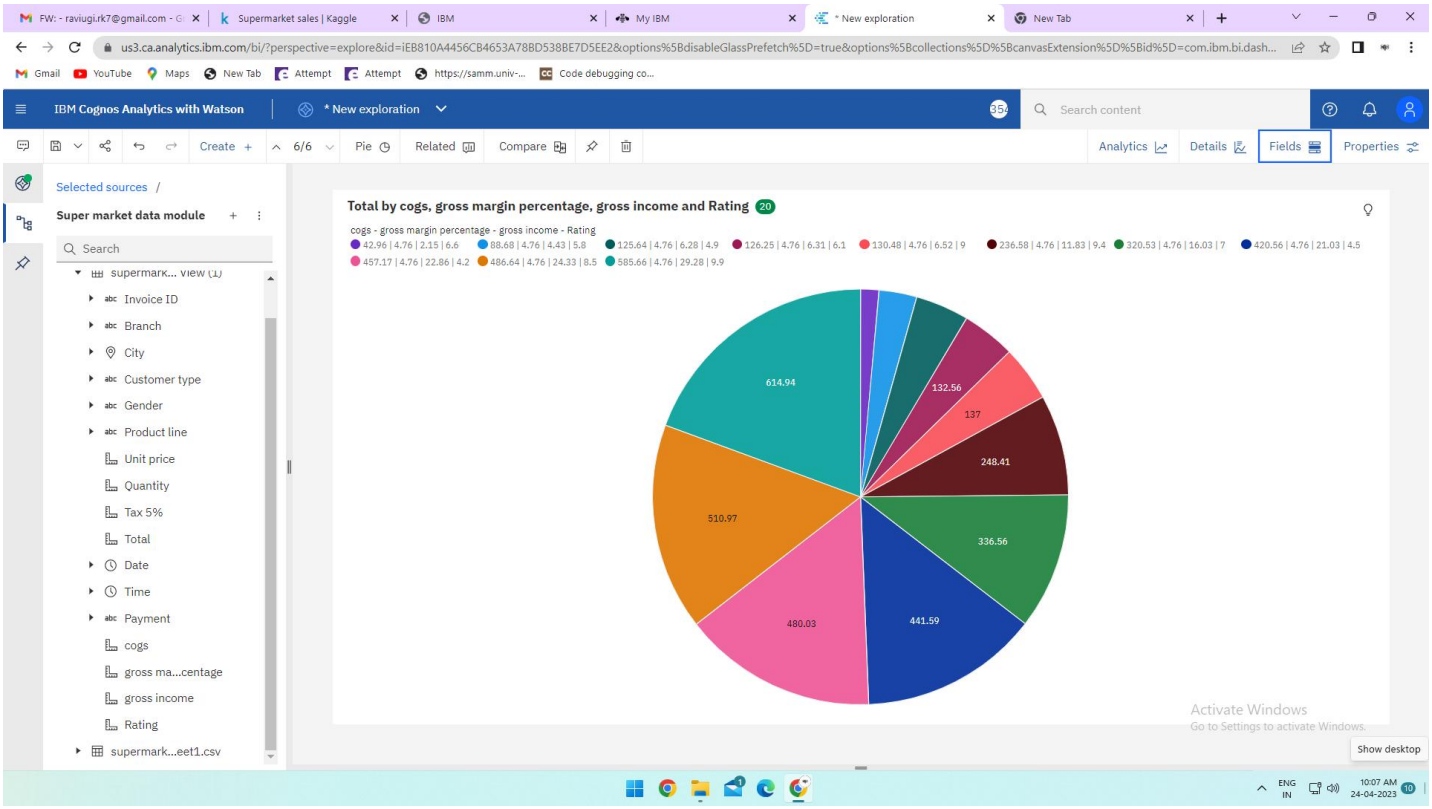

IBM Cognos Analytics with Watson
* New exploration
Search content
Create
Column
Related
Compare
Analytics
Details
Fields
Properties
Selected sources
Super market data module
Search
Navigation paths
supermark... View (1)
Invoice ID
Branch
City
Customer type
Gender
Product line
Unit price
Quantity
Tax 5%
Total
Date
Time
Payment
cogs
gross ma...centage
gross income
Total by Invoice ID, Branch and City
Total (Sum)
650
600
550
500
450
400
350
300
250
200
150
100
50
0
Average: 288.4
101-17-6199 | A | ...
102-06-2002 | C | Naypyitaw
105-10-6182 | A | Yangon
106-35-6779 | A | Yangon
109-86-4363 | B | Mandalay
110-48-7033...
101-81-4070 | C | Naypyitaw
102-77-2261 | C | Naypyitaw
105-31-1824 | A | Yangon
109-28-2512 | B | Mandalay
110-05-6330 | C | Naypyitaw
Invoice ID - Branch - City
Analytics
Insights
Show average value
The average value of Total is 288.4.
Show meaningful differences
None found
Activate Windows
Go to Settings to activate Windows.
09:58 AM
24-04-2023

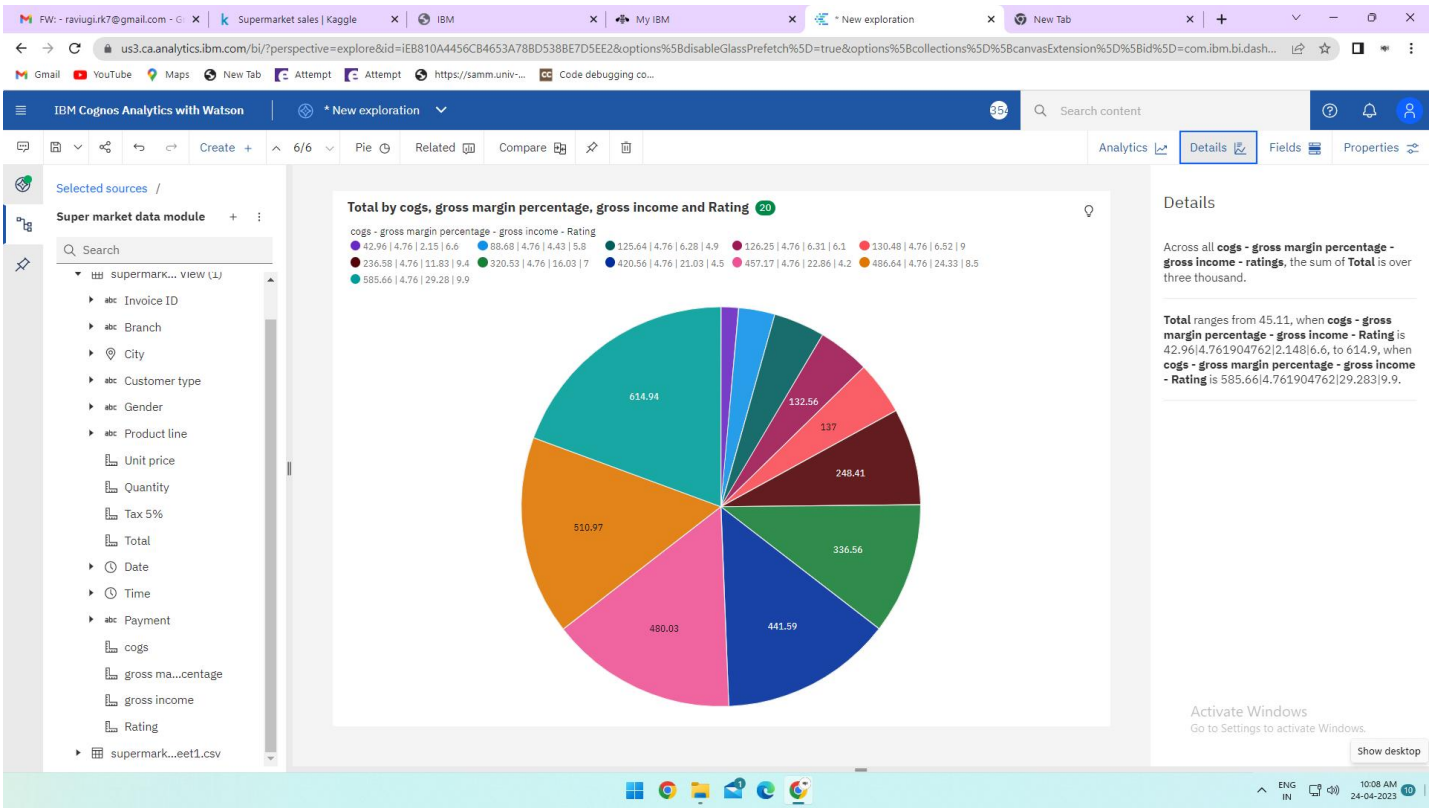
Step 7 : Visualization of Total by Date and Time.

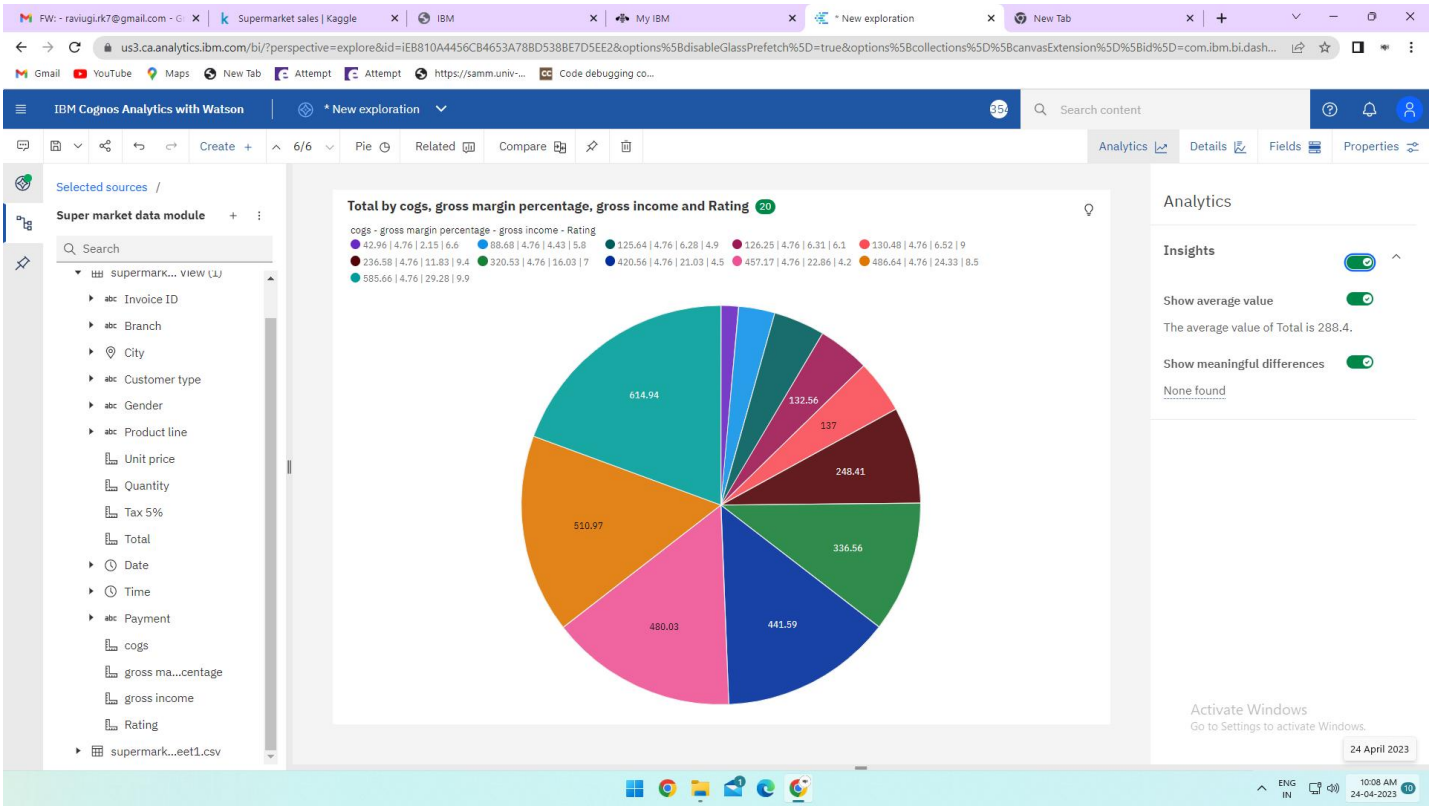




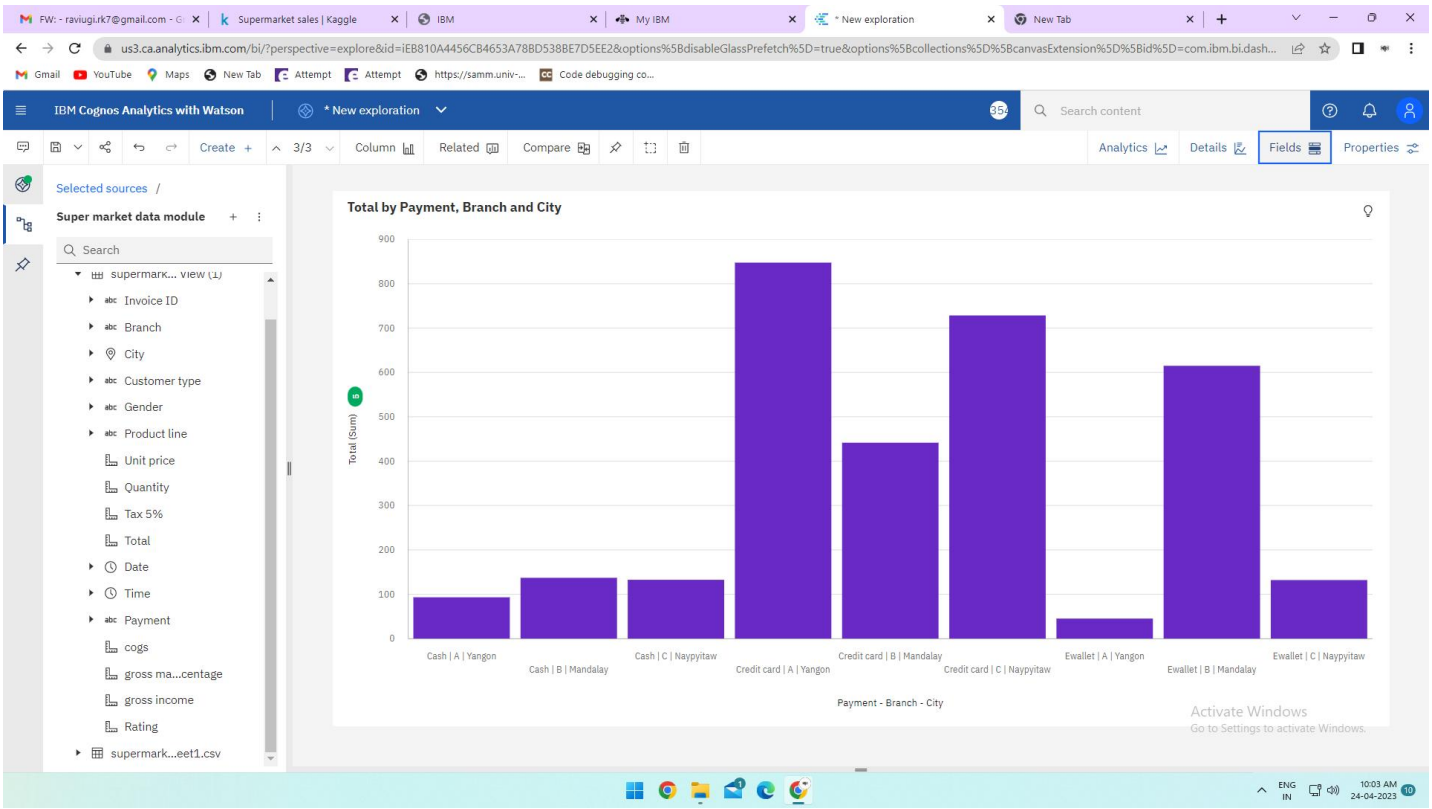
Step 8 : Visualization of Total by cogs, gross margin percentage, gross income andRating.

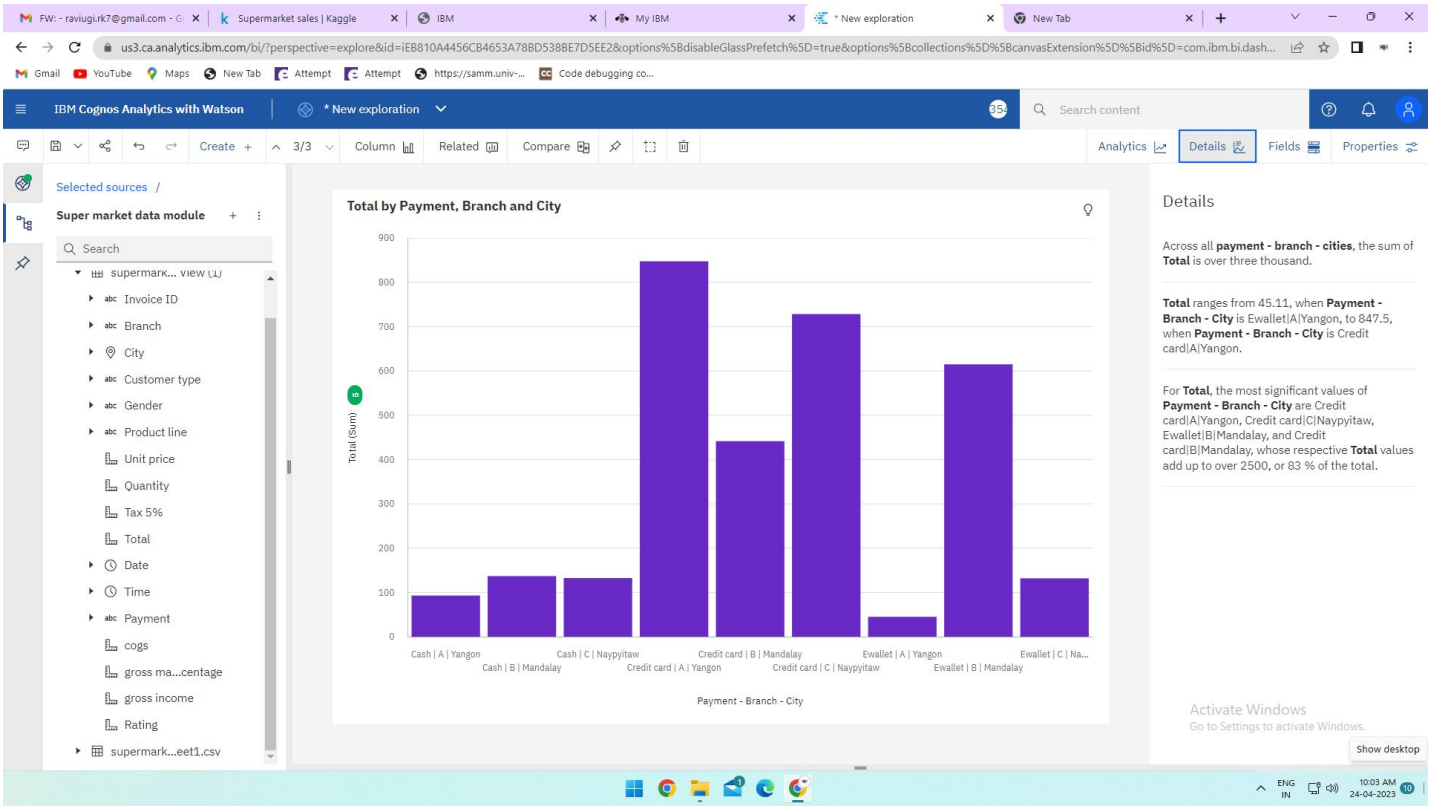


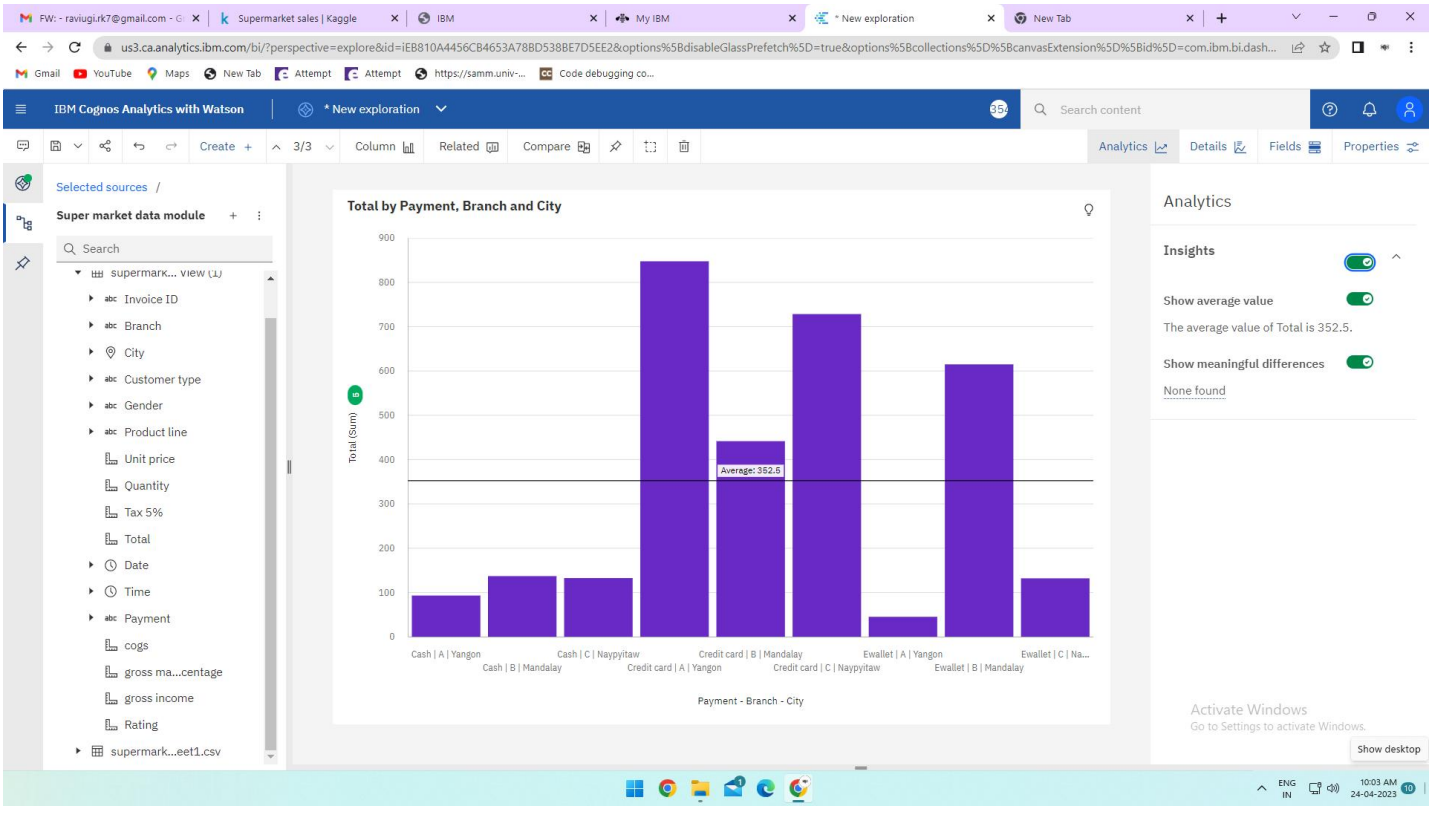




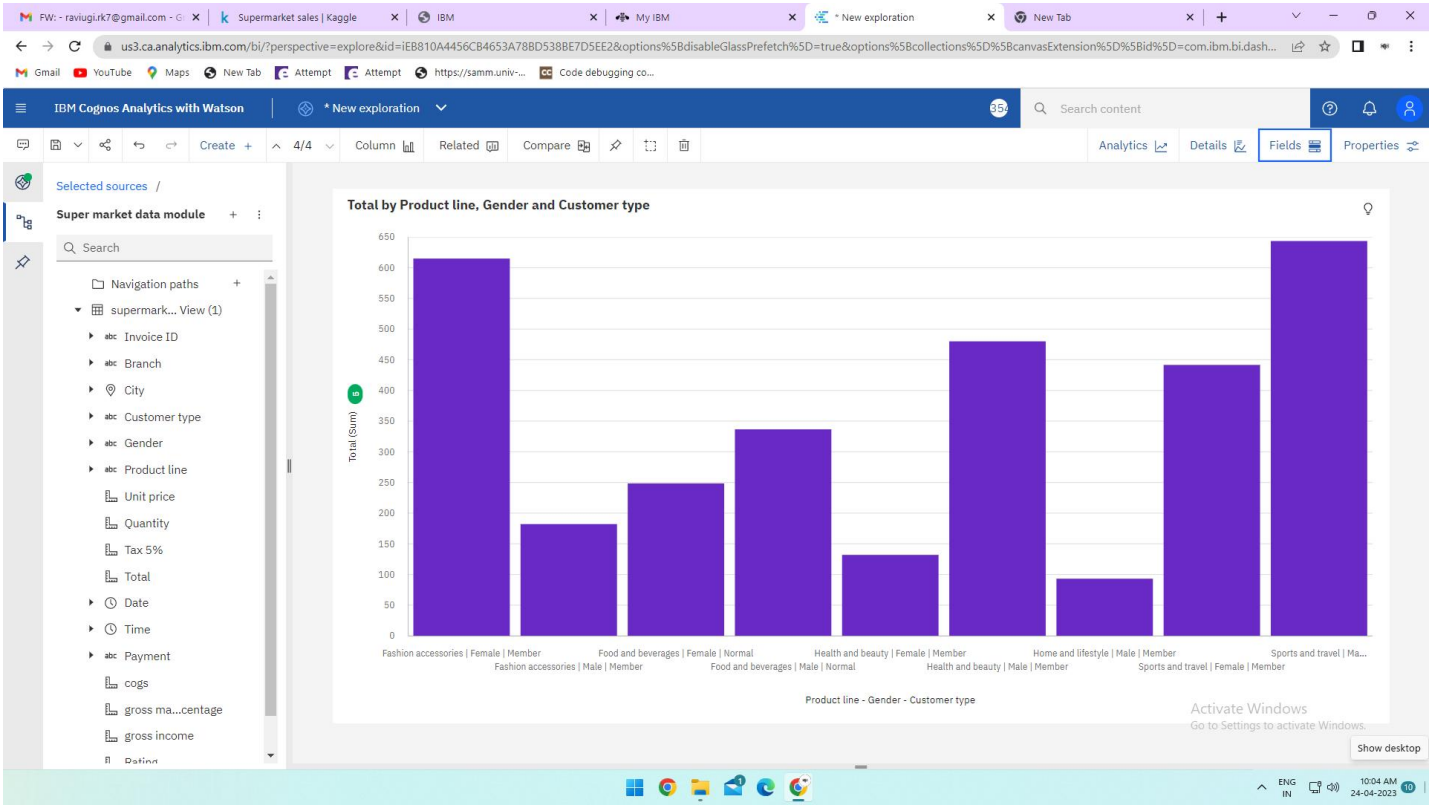
Step 9 : Visualization of Total by Payment, Branch and City.

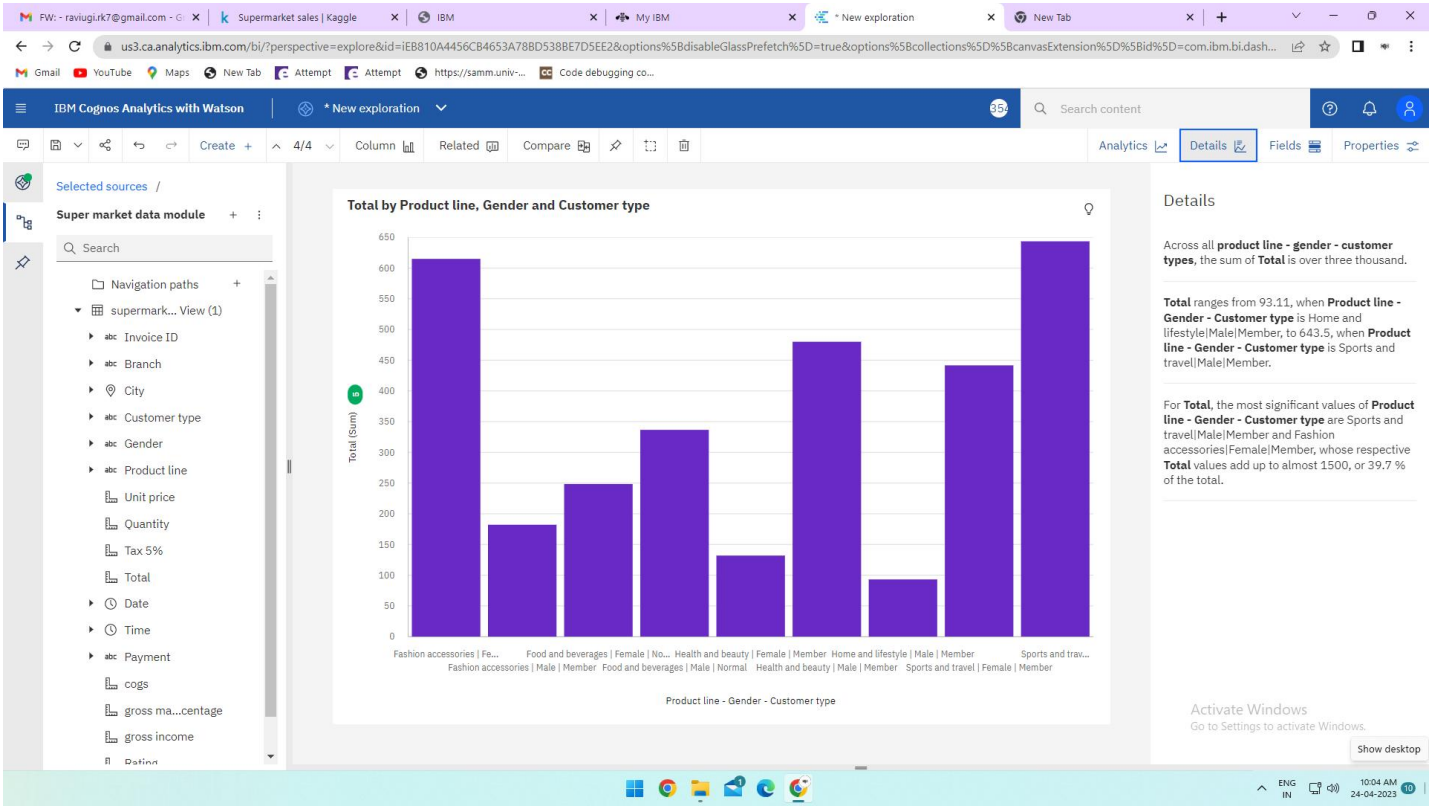


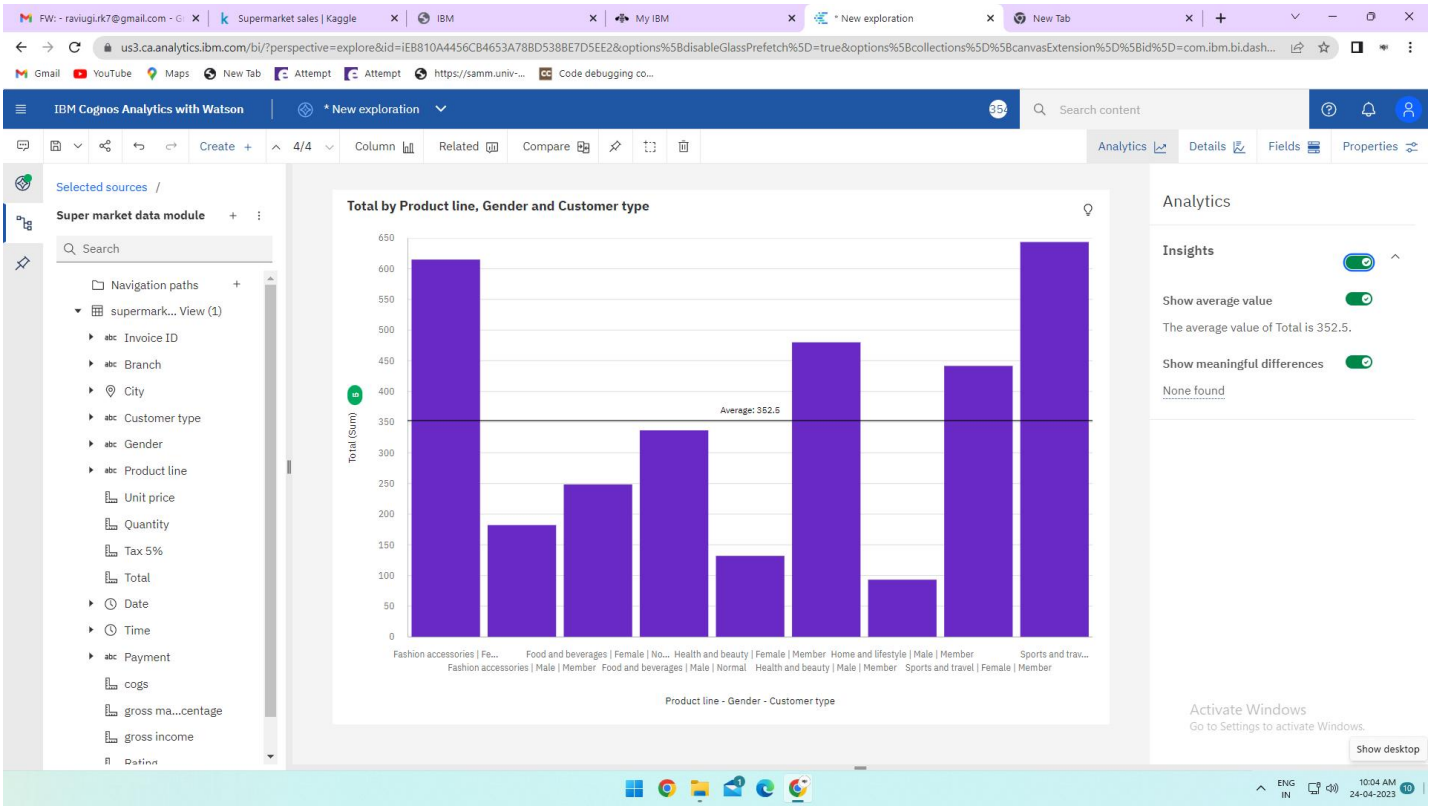

IBM Cognos Analytics with Watson
* New exploration
Search content
Create
Column
Related
Compare
Analytics
Details
Fields
Properties
Selected sources
Super market data module
Search
Invoice ID
Branch
City
Customer type
Gender
Product line
Unit price
Quantity
Tax 5%
Total
Date
Time
Payment
cogs
gross ma...centage
gross income
Rating
supermark...eet1.csv
Total by Payment, Branch and City
Total (Sum)
Cash | A | Yangon
Cash | B | Mandalay
Cash | C | Naypyitaw
Credit card | A | Yangon
Credit card | B | Mandalay
Credit card | C | Naypyitaw
Ewallet | A | Yangon
Ewallet | B | Mandalay
Ewallet | C | Na...
Payment - Branch - City
Details
Across all payment - branch - cities, the sum of Total is over three thousand.
Total ranges from 45.11, when Payment - Branch - City is Ewallet|A|Yangon, to 847.5, when Payment - Branch - City is Credit card|A|Yangon.
For Total, the most significant values of Payment - Branch - City are Credit card|A|Yangon, Credit card|C|Naypyitaw, Ewallet|B|Mandalay, and Credit card|B|Mandalay, whose respective Total values add up to over 2500, or 83 % of the total.
Activate Windows
Show desktop


IBM Cognos Analytics with Watson
* New exploration
Search content
Create
Column
Related
Compare
Analytics
Details
Fields
Properties
Selected sources
Super market data module
Search
Invoice ID
Branch
City
Customer type
Gender
Product line
Unit price
Quantity
Tax 5%
Total
Date
Time
Payment
cogs
gross ma...centage
gross income
Rating
supermark...eet1.csv
Total by Payment, Branch and City
Total (Sum)
Average: 352.6
Cash | A | Yangon
Cash | B | Mandalay
Cash | C | Naypyitaw
Credit card | A | Yangon
Credit card | B | Mandalay
Credit card | C | Naypyitaw
Ewallet | A | Yangon
Ewallet | B | Mandalay
Ewallet | C | Na...
Payment - Branch - City
Analytics
Insights
Show average value
The average value of Total is 352.5.
Show meaningful differences
None found
Activate Windows
Show desktop

Step 10 : Visualization of Total by Product line, Gender and Customer type.






IBM Cognos Analytics with Watson
* New exploration
Search content
Create
4/4
Column
Related
Compare
Analytics
Details
Fields
Properties
Selected sources /
Super market data module
Search
Navigation paths
supermark... View (1)
Invoice ID
Branch
City
Customer type
Gender
Product line
Unit price
Quantity
Tax 5%
Total
Date
Time
Payment
cogs
gross ma...centage
gross income
Rating
Total by Product line, Gender and Customer type
Total (Sum)
650
600
550
500
450
400
350
300
250
200
150
100
50
0
Average: 352.5
Fashion accessories | Fe...
Fashion accessories | Male | Member
Food and beverages | Female | No...
Food and beverages | Male | Normal
Health and beauty | Female | Member
Health and beauty | Male | Member
Home and lifestyle | Male | Member
Sports and travel | Female | Member
Sports and trav...
Product line - Gender - Customer type
Analytics
Insights
Show average value
The average value of Total is 352.5.
Show meaningful differences
None found
Activate Windows
Go to Settings to activate Windows.
Show desktop
ENG
IN
10:04 AM
24-04-2023