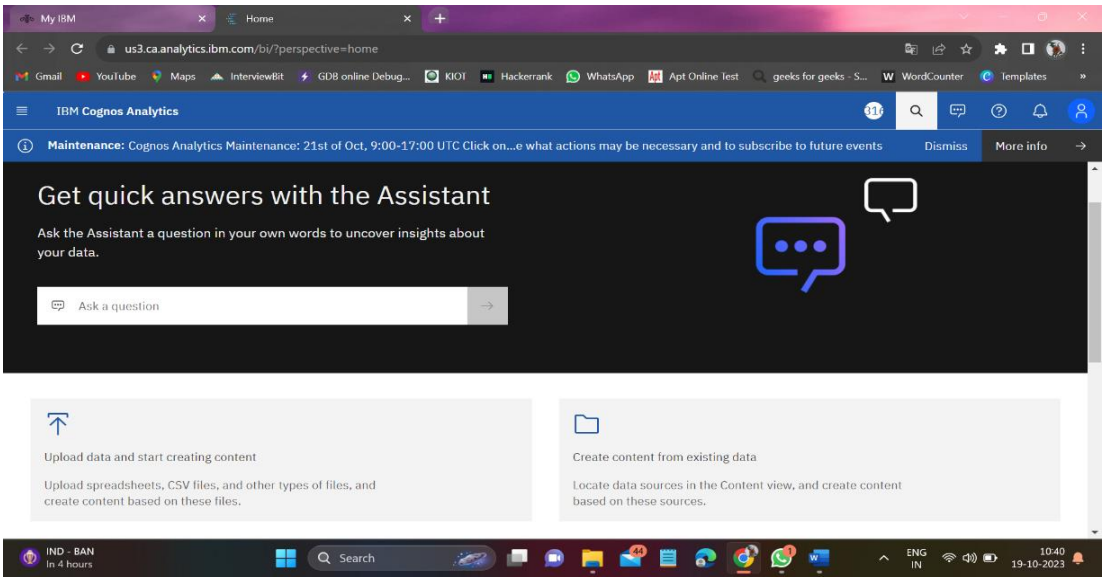
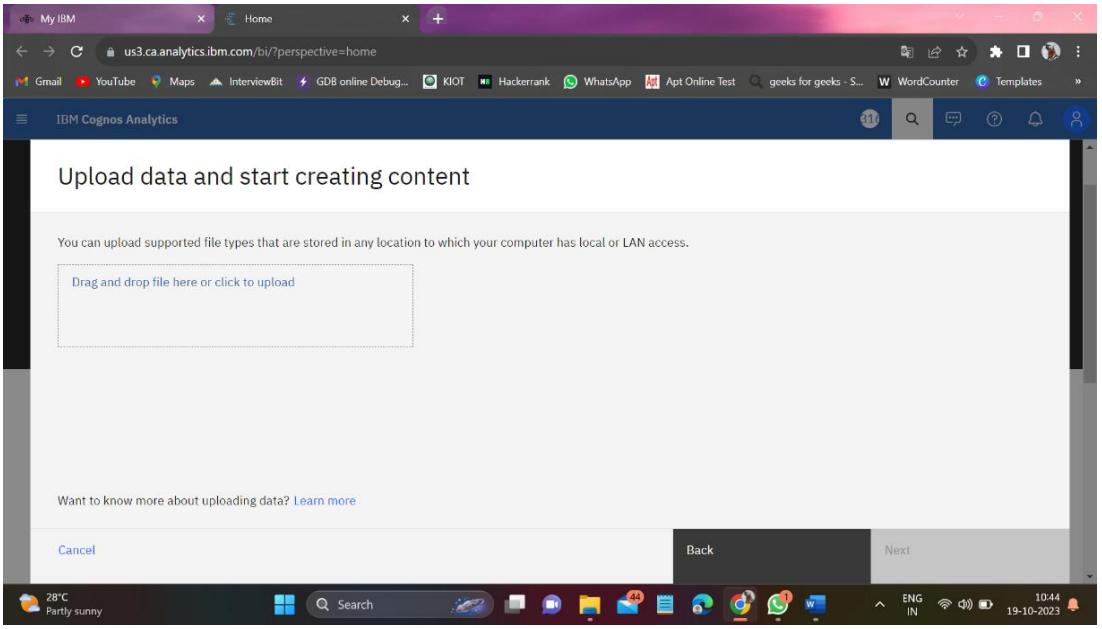
SUPER MARKET SALES ALALYSIS VISUALIZATION

NAME: BARATH B

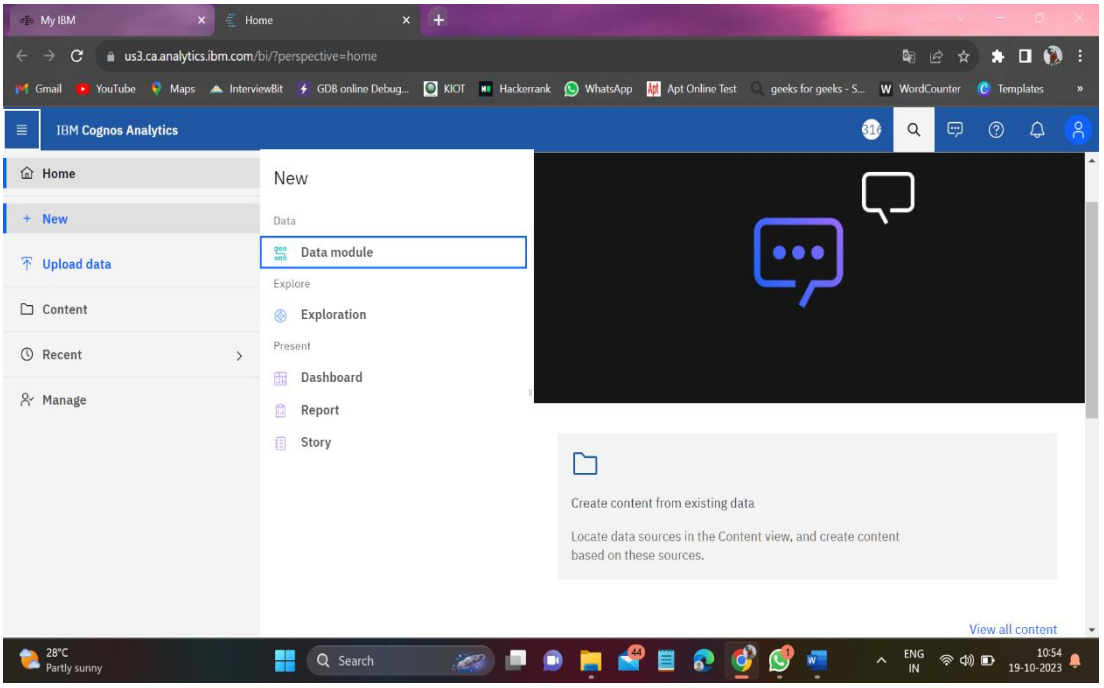
TASK 1: Upload the Dataset to Cognos, Delete Unnecessary Columns, Create a Data Module

Step 1: Upload the CSV File:

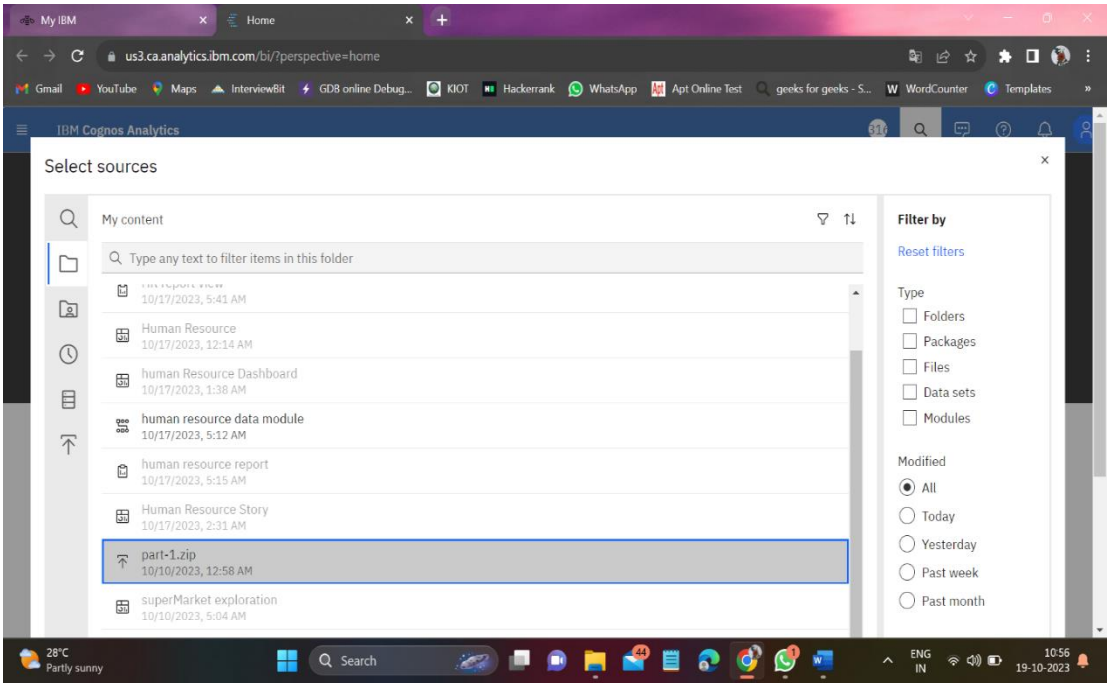




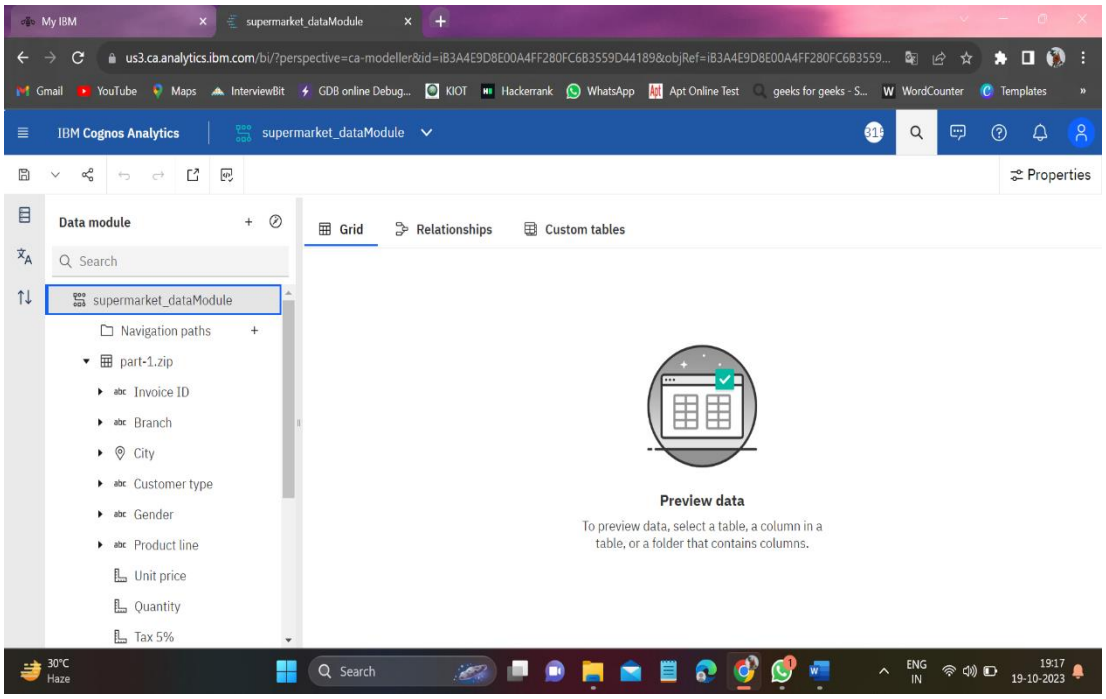
Step 2: Create Data Module.

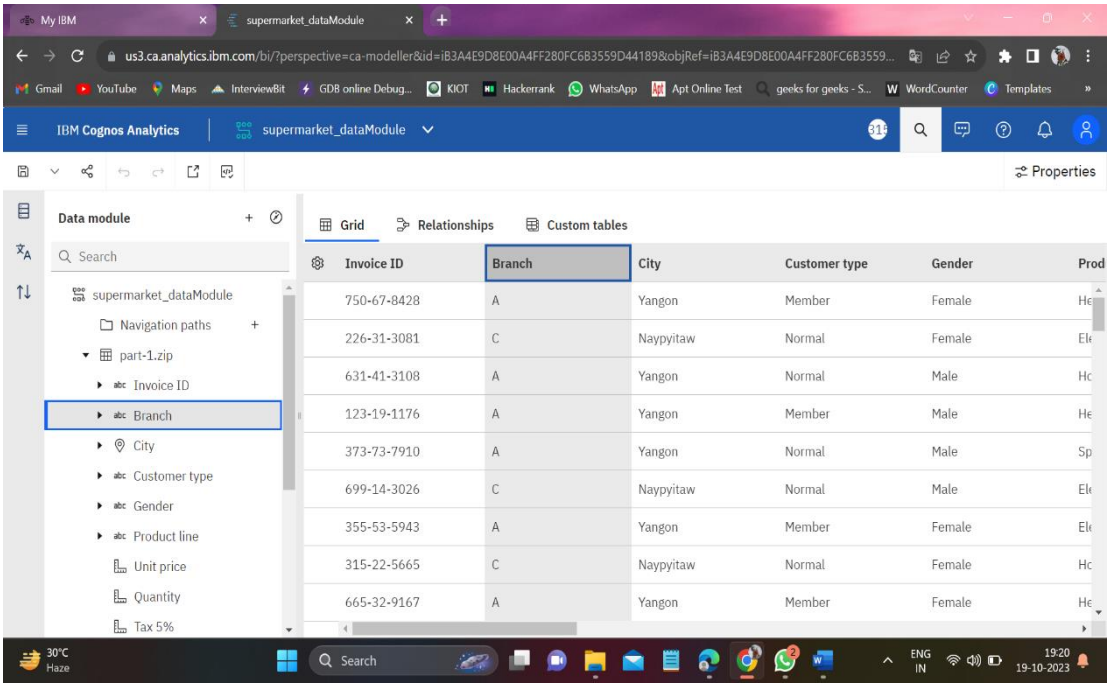


Step 3: Select the CSV file.



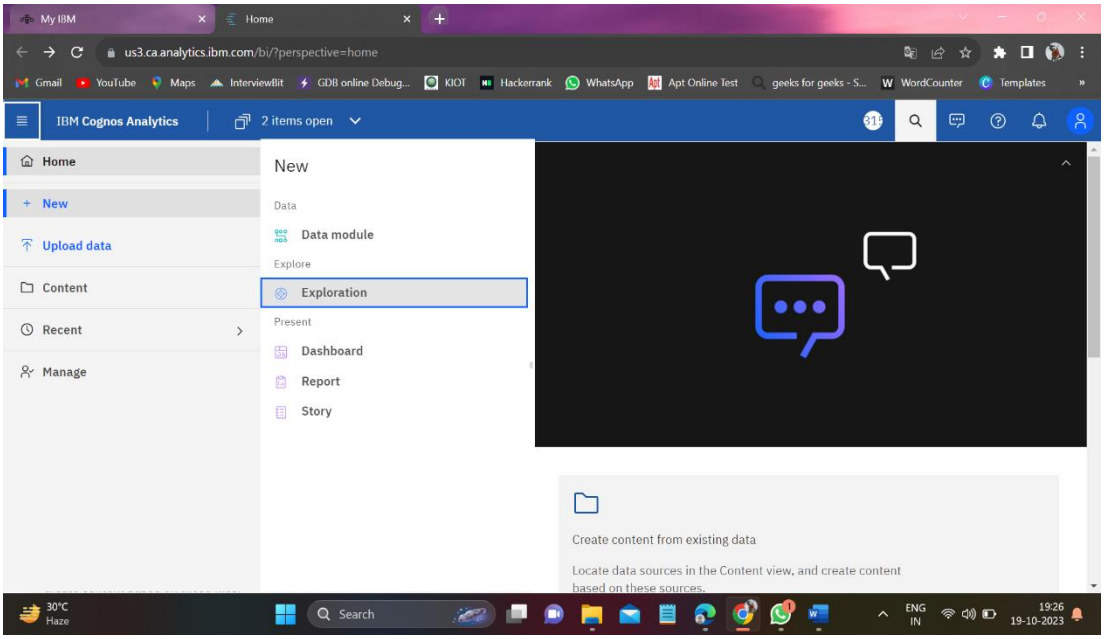
Step 4: After Uploading grid displays the table value of the CSV file.



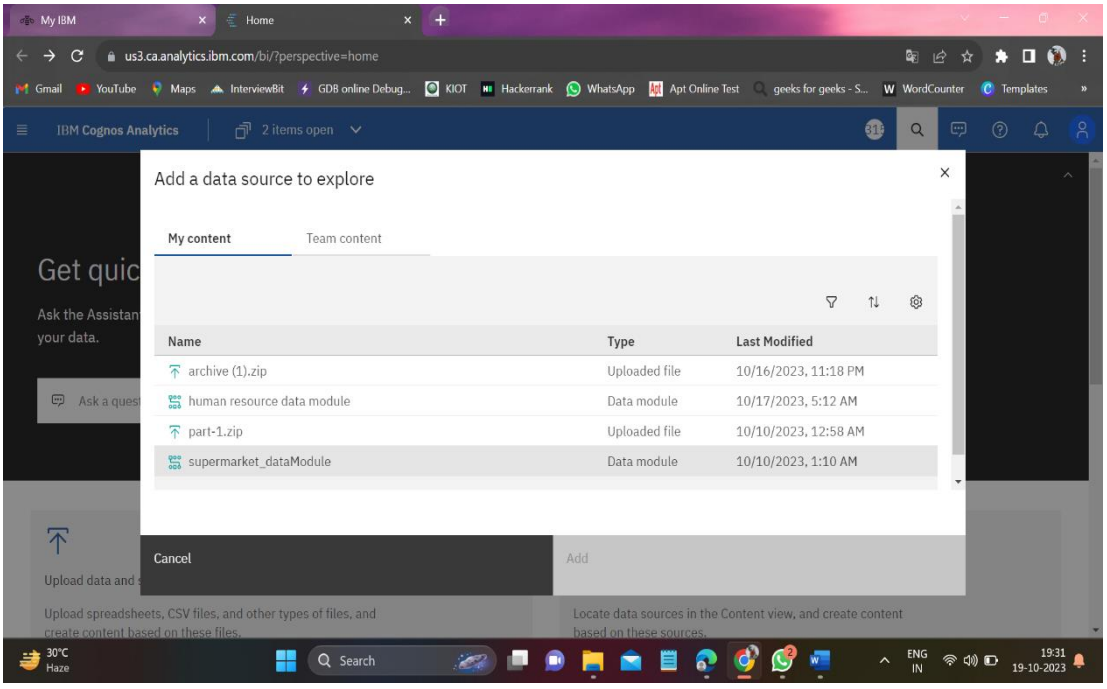


Task 2: Select the dataset to explore

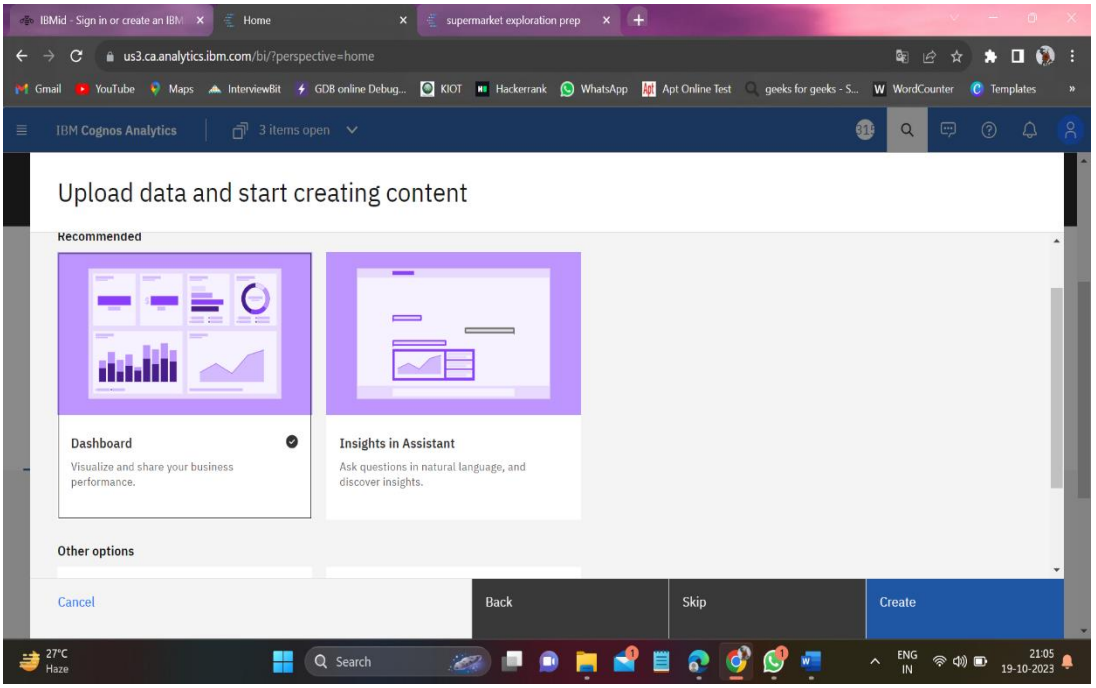
Step 1: Select the exploration



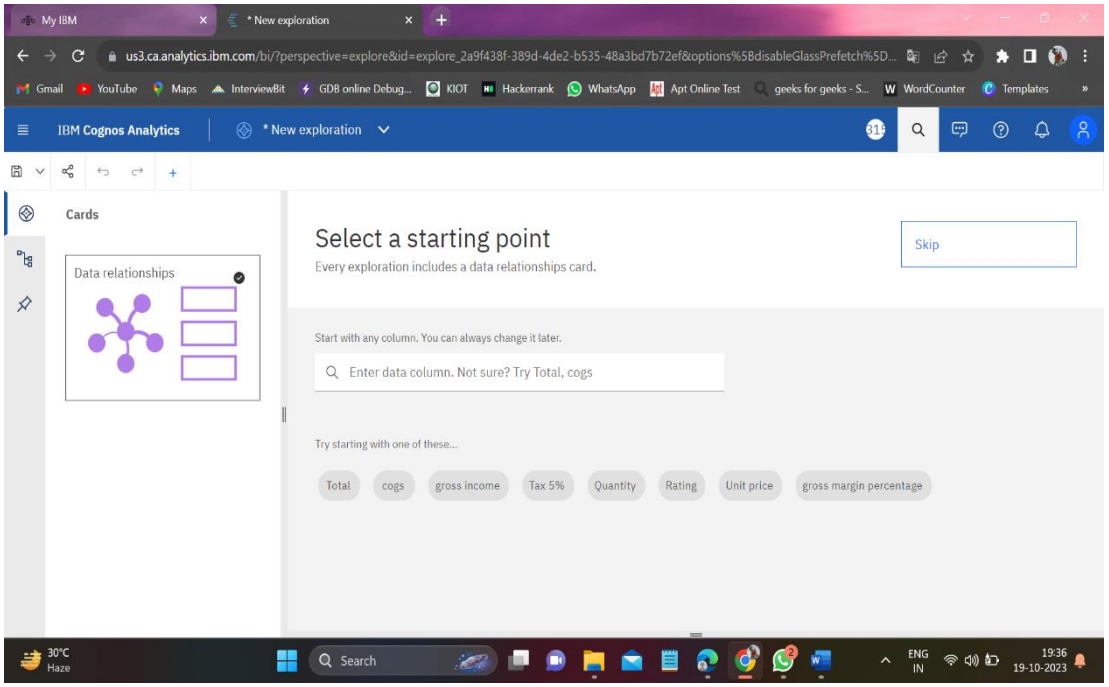
Step 2: Select dataset to explore



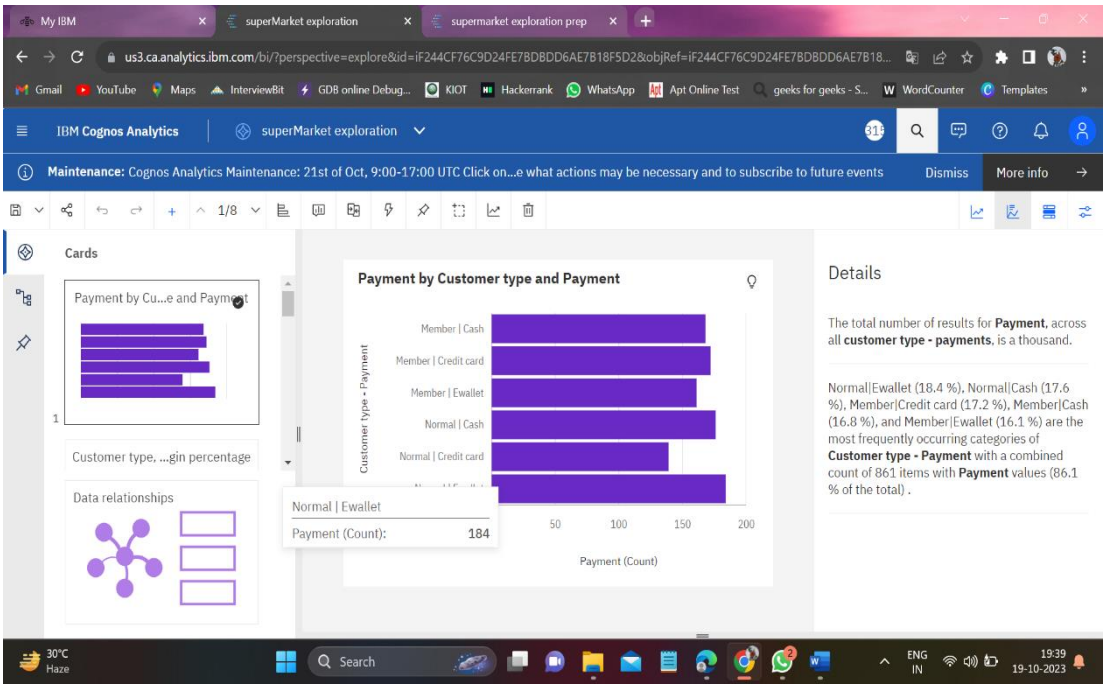
Step 3: Explore the dataset

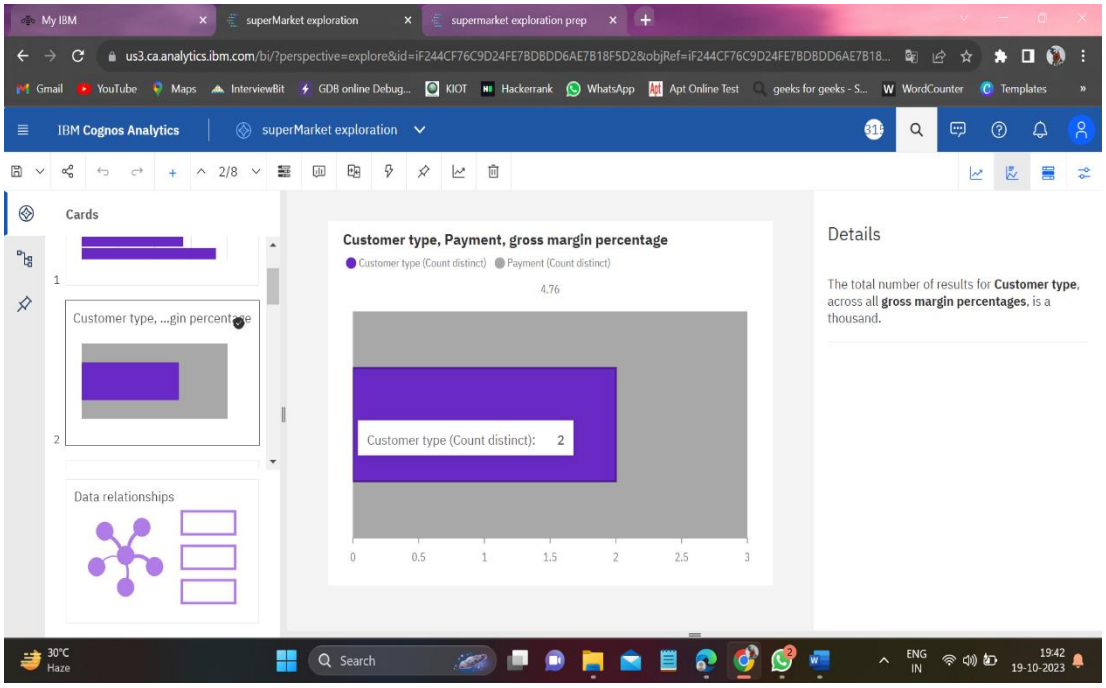


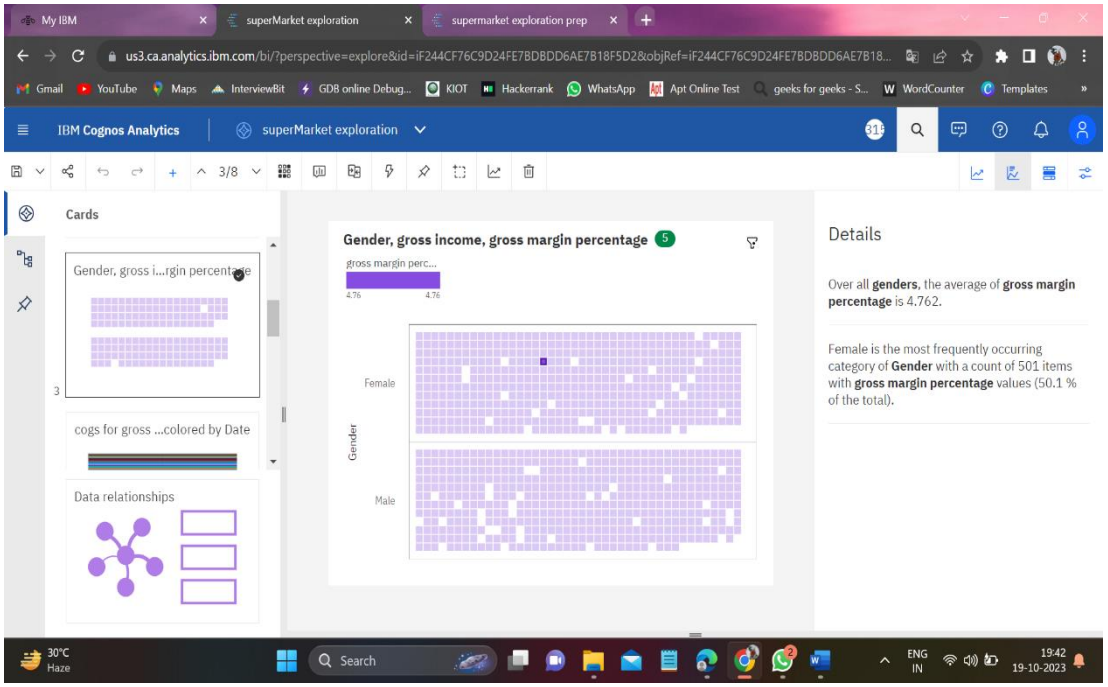
Task 3: Visualize the Data Set and Dashboard

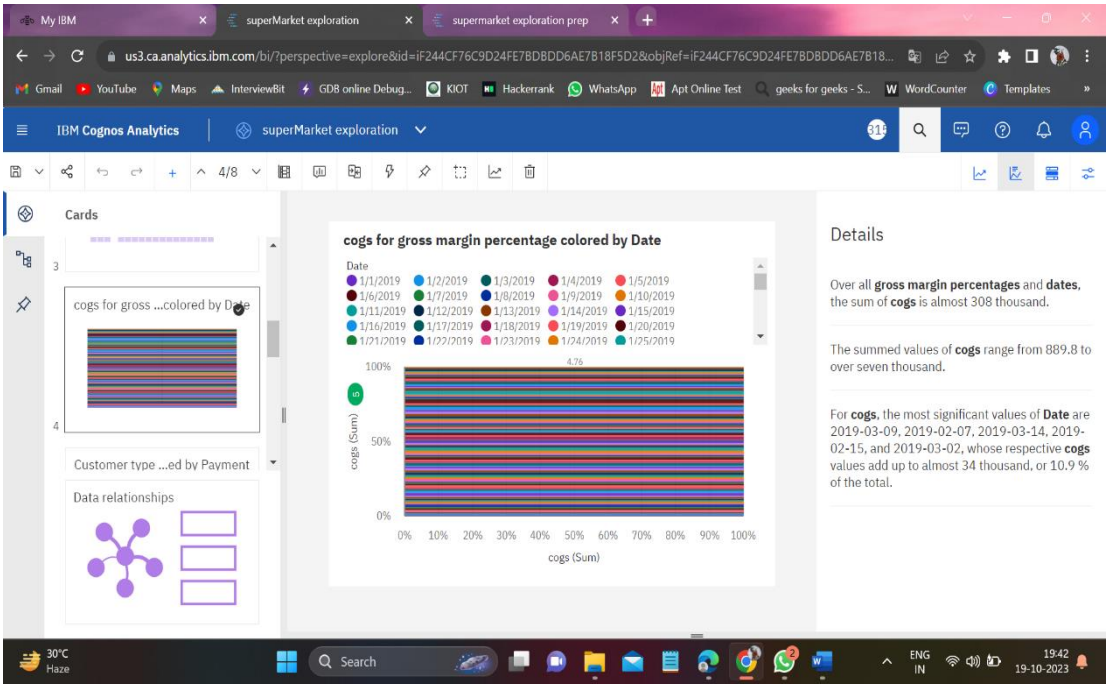


Step 1: Create Visualization charts and save it.






My IBM
superMarket exploration
supermarket exploration prep
us3.ca.analytics.ibm.com/bi/?perspective=explore&id=iF244CF76C9D24FE7BDBDD6AE7B18F5D2&objRef=iF244CF76C9D24FE7BDBDD6AE7B18...
IBM Cognos Analytics
superMarket exploration
3/8
Cards
Gender, gross i...rgin percentage
cogs for gross ...colored by Date
Data relationships
Gender, gross income, gross margin percentage
gross margin perc...
4.76
4.76
Female
Male
Gender
Details
Over all genders, the average of gross margin percentage is 4.762.
Female is the most frequently occurring category of Gender with a count of 501 items with gross margin percentage values (50.1 % of the total).
30°C
Haze
Search
ENG
IN
19:42
19-10-2023


My IBM
superMarket exploration
supermarket exploration prep
us3.ca.analytics.ibm.com/bi/?perspective=explore&id=iF244CF76C9D24FE7BDBDD6AE7B18F5D2&objRef=iF244CF76C9D24FE7BDBDD6AE7B18...
IBM Cognos Analytics
superMarket exploration
4/8
Cards
cogs for gross ...colored by Date
Customer type ...ed by Payment
Data relationships
cogs for gross margin percentage colored by Date
Date
1/1/2019
1/2/2019
1/3/2019
1/4/2019
1/5/2019
1/6/2019
1/7/2019
1/8/2019
1/9/2019
1/10/2019
1/11/2019
1/12/2019
1/13/2019
1/14/2019
1/15/2019
1/16/2019
1/17/2019
1/18/2019
1/19/2019
1/20/2019
1/21/2019
1/22/2019
1/23/2019
1/24/2019
1/25/2019
4.76
100%
50%
0%
cogs (Sum)
0%
10%
20%
30%
40%
50%
60%
70%
80%
90%
100%
cogs (Sum)
Details
Over all gross margin percentages and dates, the sum of cogs is almost 308 thousand.
The summed values of cogs range from 889.8 to over seven thousand.
For cogs, the most significant values of Date are 2019-03-09, 2019-02-07, 2019-03-14, 2019-02-15, and 2019-03-02, whose respective cogs values add up to almost 34 thousand, or 10.9 % of the total.
30°C
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Search
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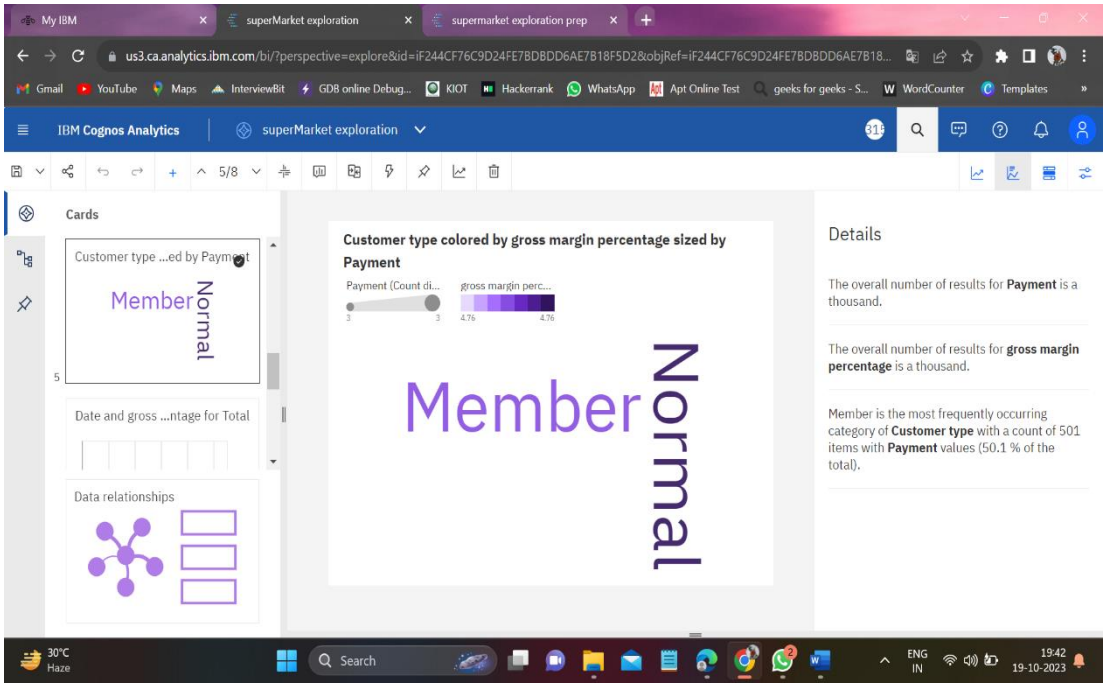
19-10-2023


My IBM
superMarket exploration
supermarket exploration prep
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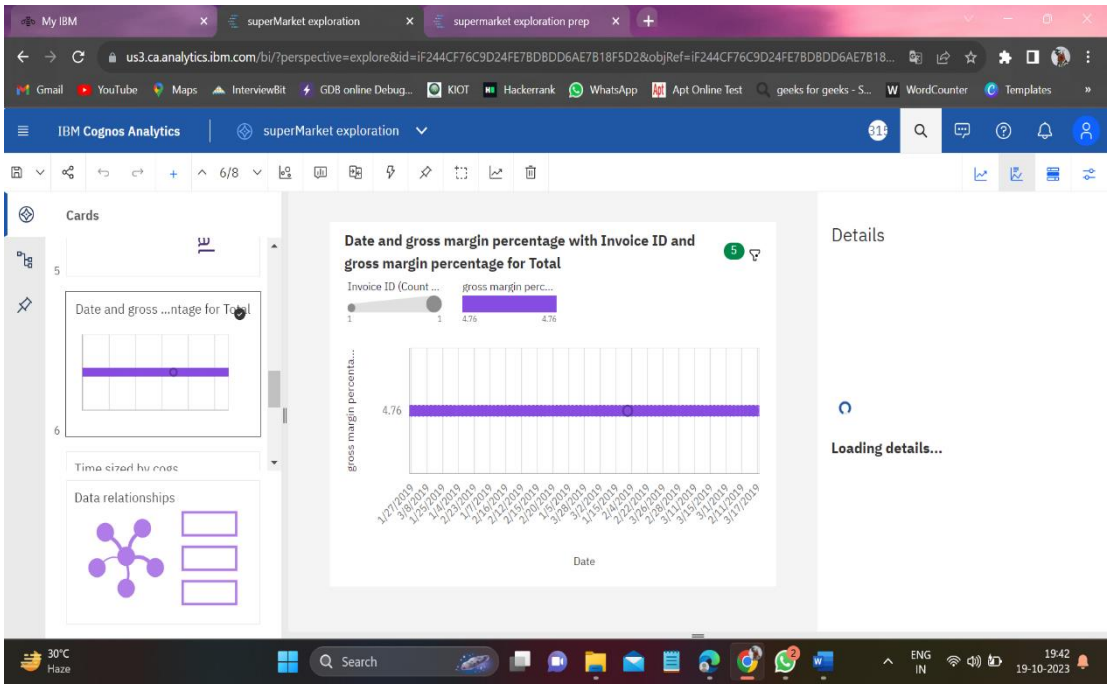
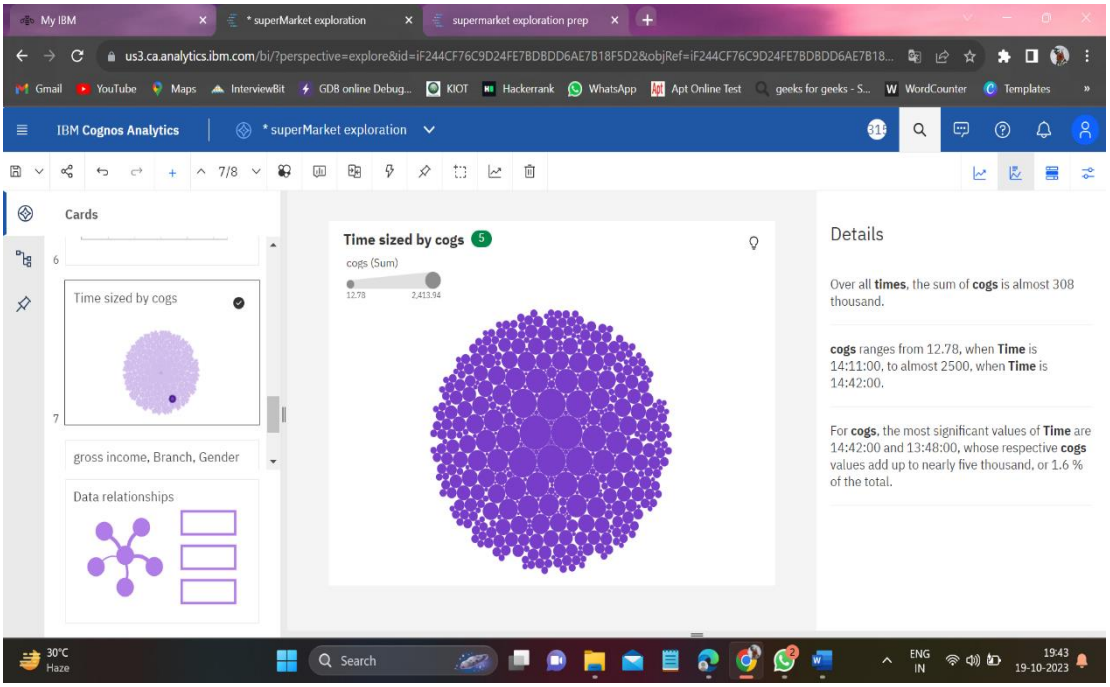
IBM Cognos Analytics
superMarket exploration
Cards
Customer type ...ed by Payment
Member
Normal
Date and gross ...ntage for Total
Data relationships
Customer type colored by gross margin percentage sized by Payment
Payment (Count di...
gross margin perc...
Member
Normal
Details
The overall number of results for Payment is a thousand.
The overall number of results for gross margin percentage is a thousand.
Member is the most frequently occurring category of Customer type with a count of 501 items with Payment values (50.1 % of the total).
30°C
Haze
Search
ENG
IN
19:42
19-10-2023


My IBM
superMarket exploration
supermarket exploration prep
us3.ca.analytics.ibm.com/bi/?perspective=explore&id=iF244CF76C9D24FE7BDBDD6AE7B18F5D2&objRef=iF244CF76C9D24FE7BDBDD6AE7B18...
IBM Cognos Analytics
superMarket exploration
Cards
Date and gross ...ntage for Total
Data relationships
Date and gross margin percentage with Invoice ID and gross margin percentage for Total
Invoice ID (Count ...
gross margin perc...
gross margin percenta...
4.76
Date
Details
Loading details...
30°C
Haze
Search
ENG
IN
19:42
19-10-2023


My IBM
* superMarket exploration
supermarket exploration prep
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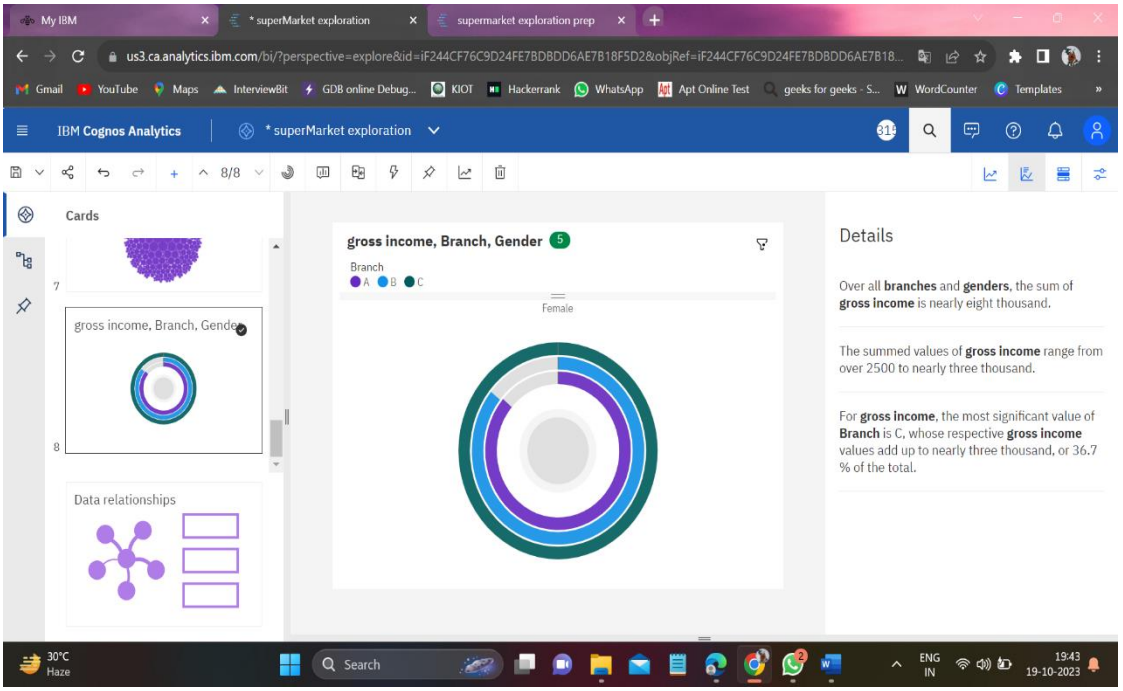
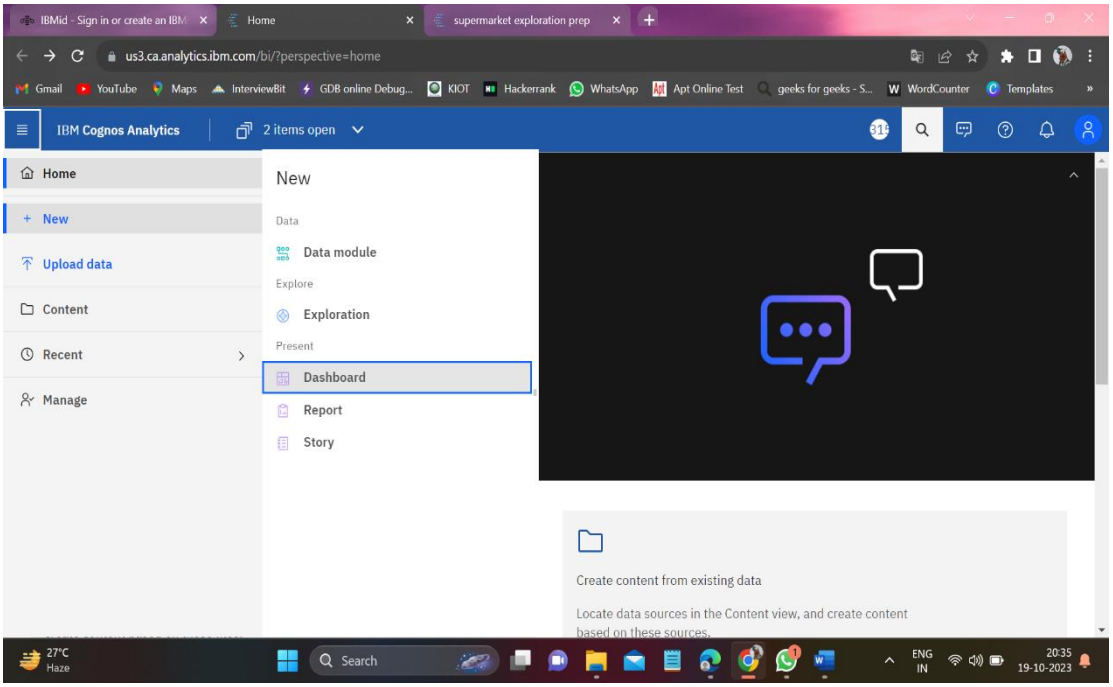
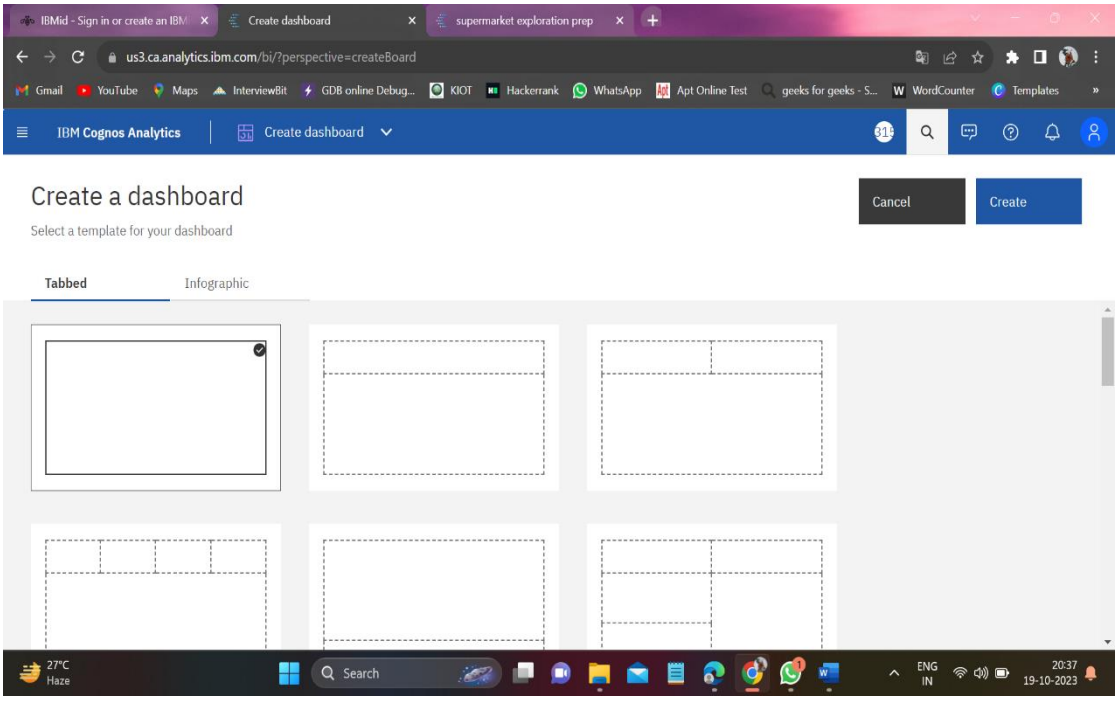
IBM Cognos Analytics
* superMarket exploration
Cards
Time sized by cogs
gross income, Branch, Gender
Data relationships
Time sized by cogs 5
cogs (Sum)
12.78
2,413.94
Details
Over all times, the sum of cogs is almost 308 thousand.
cogs ranges from 12.78, when Time is 14:11:00, to almost 2500, when Time is 14:42:00.
For cogs, the most significant values of Time are 14:42:00 and 13:48:00, whose respective cogs values add up to nearly five thousand, or 1.6 % of the total.
30°C
Haze
Search
ENG
IN
19:43
19-10-2023


My IBM
* superMarket exploration
supermarket exploration prep
us3.ca.analytics.ibm.com/bi/?perspective=explore&id=iF244CF76C9D24FE7BDBDD6AE7B18F5D2&objRef=iF244CF76C9D24FE7BDBDD6AE7B18...
IBM Cognos Analytics
* superMarket exploration
Cards
gross income, Branch, Gende
Data relationships
gross income, Branch, Gender 5
Branch
A
B
C
Female
Details
Over all branches and genders, the sum of gross income is nearly eight thousand.
The summed values of gross income range from over 2500 to nearly three thousand.
For gross income, the most significant value of Branch is C, whose respective gross income values add up to nearly three thousand, or 36.7 % of the total.
30°C
Haze
Search
ENG
IN
19:43
19-10-2023

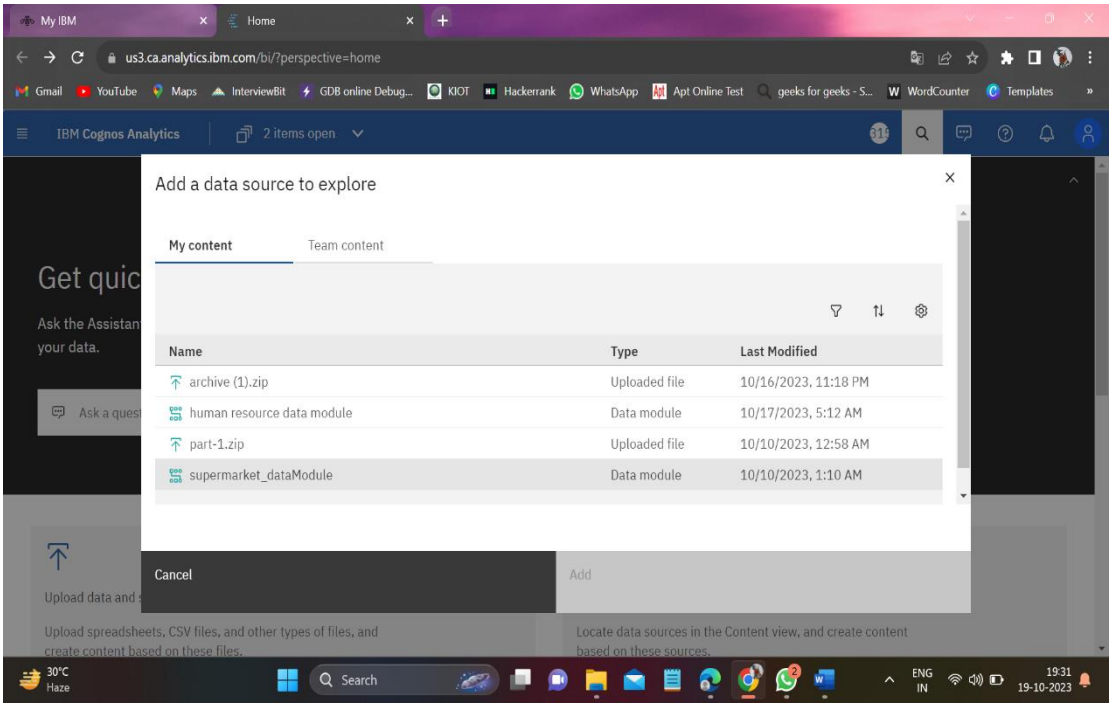
Step 2: Create the Dashboard



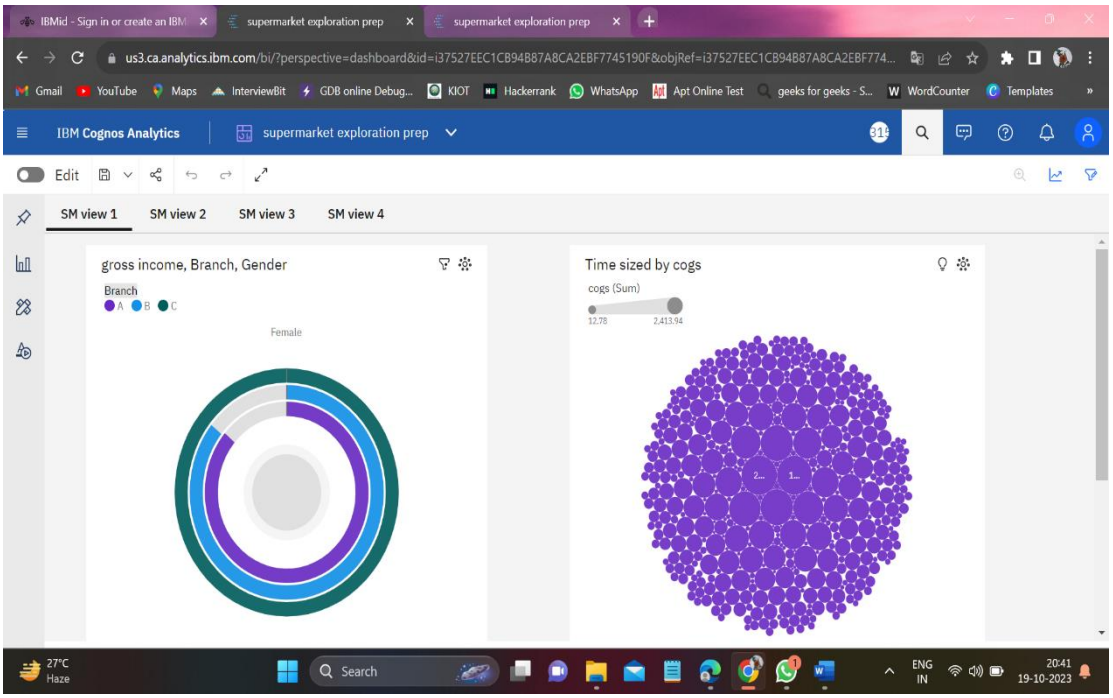
Step 3: Create Template for the Dashboard

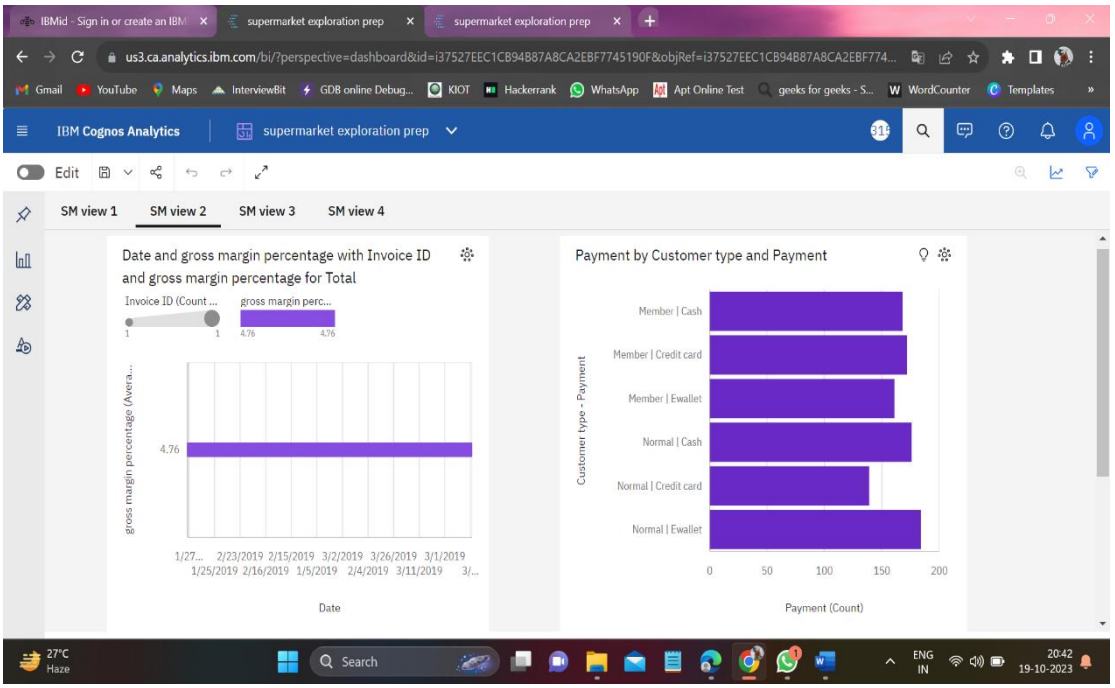


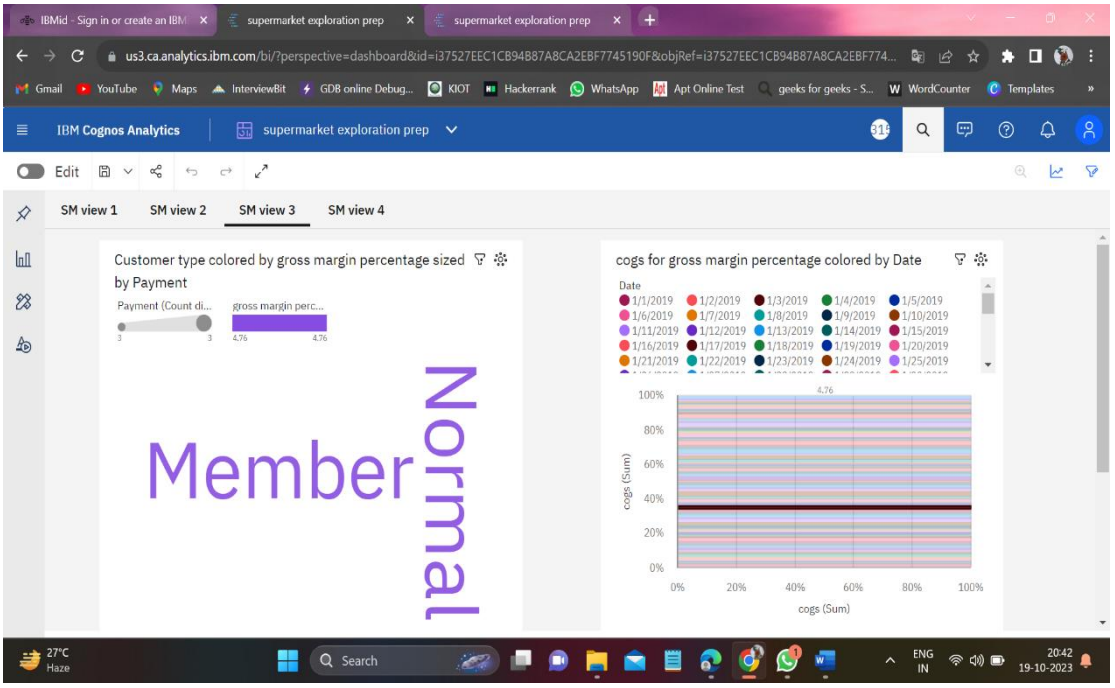
Step 4: Select the source file

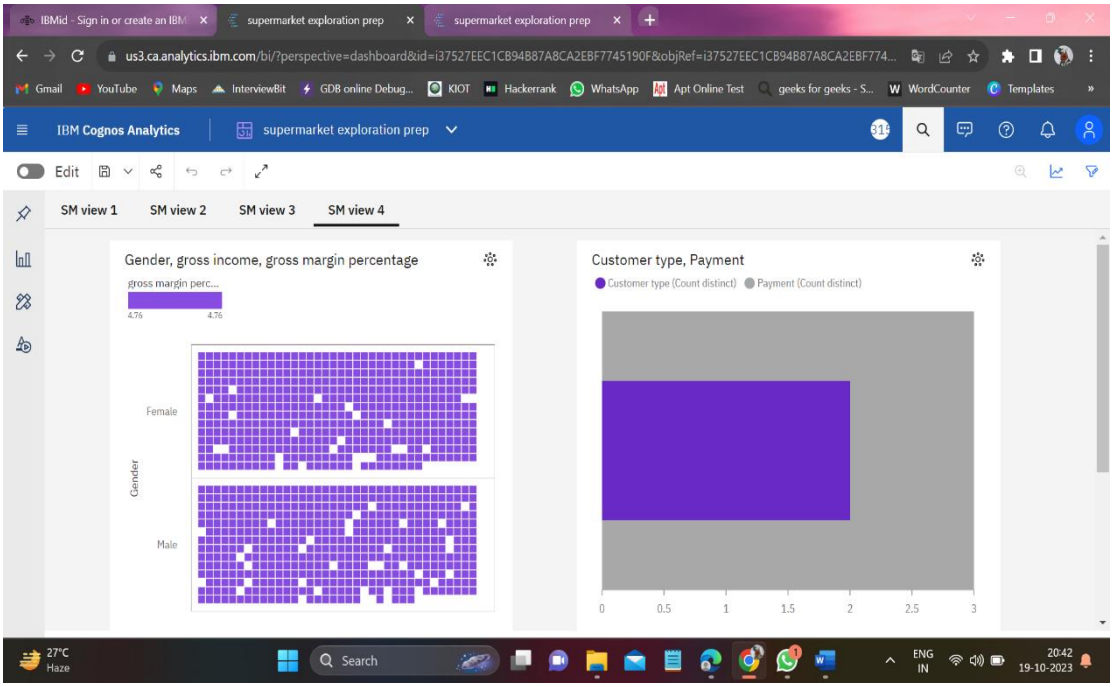


Step 5: Select Visualization charts for dashboard and save it for Dashboard Visualization.




IBM Cognos Analytics
supermarket exploration prep
Edit
SM view 1
SM view 2
SM view 3
SM view 4
Date and gross margin percentage with Invoice ID and gross margin percentage for Total
Invoice ID (Count ...
gross margin perc...
gross margin percentage (Avera...
4.76
1/27...
2/23/2019
2/15/2019
3/2/2019
3/26/2019
3/1/2019
1/25/2019
2/16/2019
1/5/2019
2/4/2019
3/11/2019
Date
Payment by Customer type and Payment
Customer type - Payment
Member | Cash
Member | Credit card
Member | Ewallet
Normal | Cash
Normal | Credit card
Normal | Ewallet
0
50
100
150
200
Payment (Count)
27°C
Haze
Search
ENG
IN
20:42
19-10-2023


IBM Cognos Analytics
supermarket exploration prep
Edit
SM view 1
SM view 2
SM view 3
SM view 4
Customer type colored by gross margin percentage sized by Payment
Payment (Count di...
gross margin perc...
Member
Normal
cogs for gross margin percentage colored by Date
Date
1/1/2019
1/2/2019
1/3/2019
1/4/2019
1/5/2019
1/6/2019
1/7/2019
1/8/2019
1/9/2019
1/10/2019
1/11/2019
1/12/2019
1/13/2019
1/14/2019
1/15/2019
1/16/2019
1/17/2019
1/18/2019
1/19/2019
1/20/2019
1/21/2019
1/22/2019
1/23/2019
1/24/2019
1/25/2019
4.76
100%
80%
60%
40%
20%
0%
cogs (Sum)
0%
20%
40%
60%
80%
100%
cogs (Sum)
27°C
Haze
Search
ENG
IN
20:42
19-10-2023



Thus, the Dataset has been uploaded to Cognos and the Data Module, Exploration and Dashboard of the dataset has been created and Visualized in this Assignment.