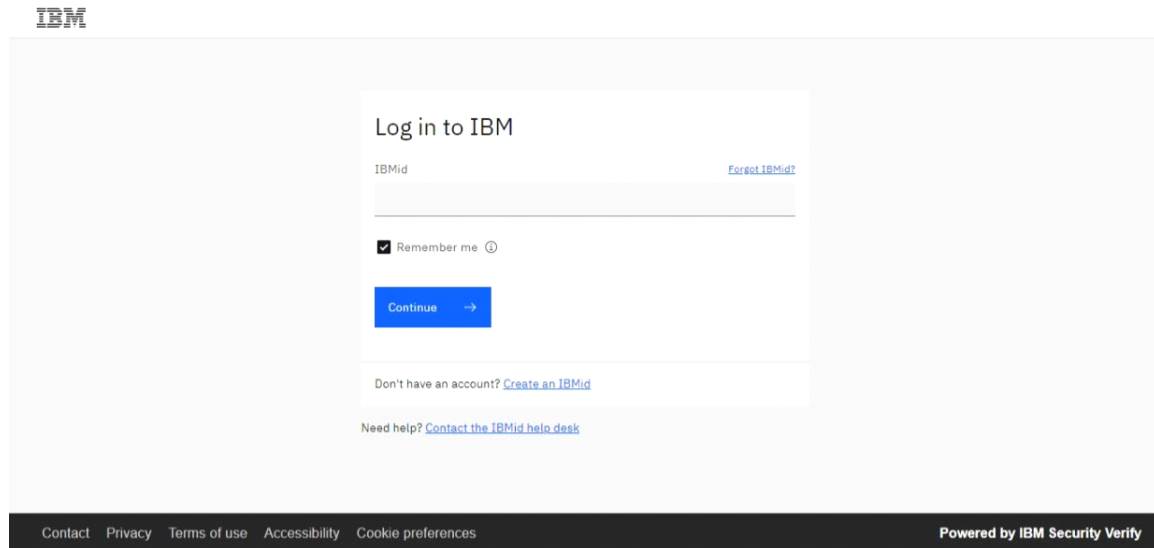


Domain: DATA ANALYTICS

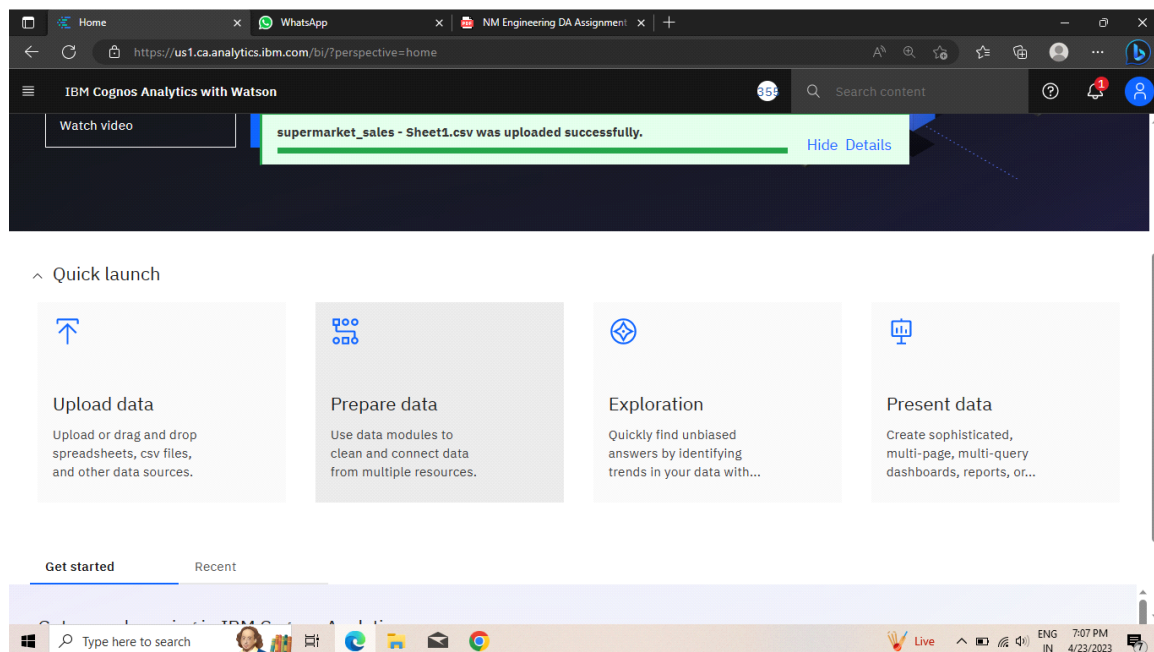
NAME: Dhanapal M

REG NO: 731120104008(20CSE08)

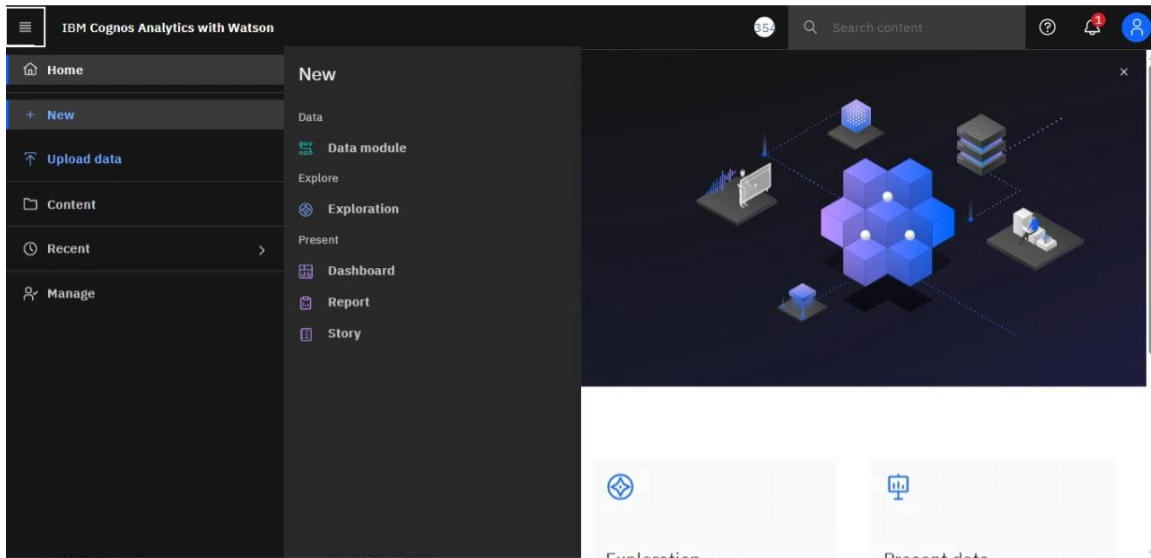
STEP:1 After downloaded the Supermarket_sale-Sheet1(Dataset),then login to IBM cognos account.



STEP:2 Then upload the dataset which was downloaded.



STEP:3 Then In menu select New->Data module->My content



STEP:4 :Select source and add it ,open data module and select GRID.

The screenshot shows the IBM Cognos Analytics with Watson interface. The 'Data module' is selected, and the 'Grid' tab is active. The grid displays the following data:

Row Id	Invoice ID	Branch	City	Customer type
1	750-67-8428	A	Yangon	Member
3	631-41-3108	A	Yangon	Normal
4	123-19-1176	A	Yangon	Member
5	373-73-7910	A	Yangon	Normal
7	355-53-5943	A	Yangon	Member
9	665-32-9167	A	Yangon	Member
13	365-64-0515	A	Yangon	Normal
14	252-56-2699	A	Yangon	Normal
15	829-34-3910	A	Yangon	Normal
17	656-95-9349	A	Yangon	Member

STEP:5 Remove the unnecessary columns.

The screenshot shows the IBM Cognos Analytics interface. On the left, the 'Data module' pane lists various fields including Gender, Product line, Unit price, Quantity, Tax 5%, Total, Date, Time, Payment, cogs, gross margin percentage, gross income, and Rating. The main grid displays data with columns: payment, cogs, gross margin percentage, gross income, and Rating. A context menu is open over the 'gross margin percentage' column, showing options like Filter..., Create calculation..., Create data group..., Hide from users, Remove, Format data..., Clean..., Sort descending, Sort ascending, and Properties.

payment	cogs	gross margin percentage	gross income	Rating
wallet	522.83	4.761904		9.1
credit card	324.31	4.761904		7.4
wallet	465.76	4.761904		8.4
wallet	604.17	4.761904		5.3
wallet	413.04	4.761904		5.8
credit card	72.52	4.761904		7.2
wallet	234.75	4.761904		7.1
wallet	431.9	4.761904		8.2
cash	713.8	4.761904762	35.69	5.7
credit card	482.51	4.761904762	24.1255	4.6

STEP:6 After removing Save the data module in My content.

The screenshot shows the IBM Cognos Analytics interface. On the left, the 'Data module' pane lists various fields including Row Id, Invoice ID, Branch, City, Customer type, Gender, Product line, Unit price, Quantity, and Tax 5%. The main grid displays data with columns: Row Id, Invoice ID, Branch, City, and Customer type. The 'Save' button is highlighted in the top left corner.

Row Id	Invoice ID	Branch	City	Customer type
1	750-67-8428	A	Yangon	Member
2	226-31-3081	C	Naypyitaw	Normal
3	631-41-3108	A	Yangon	Normal
4	123-19-1176	A	Yangon	Member
5	373-73-7910	A	Yangon	Normal
6	699-14-3026	C	Naypyitaw	Normal
7	355-53-5943	A	Yangon	Member
8	315-22-5665	C	Naypyitaw	Normal
9	665-32-9167	A	Yangon	Member
10	692-92-5582	B	Mandalay	Member

STEP:7 After saving, In menu Select->New->Exploration.

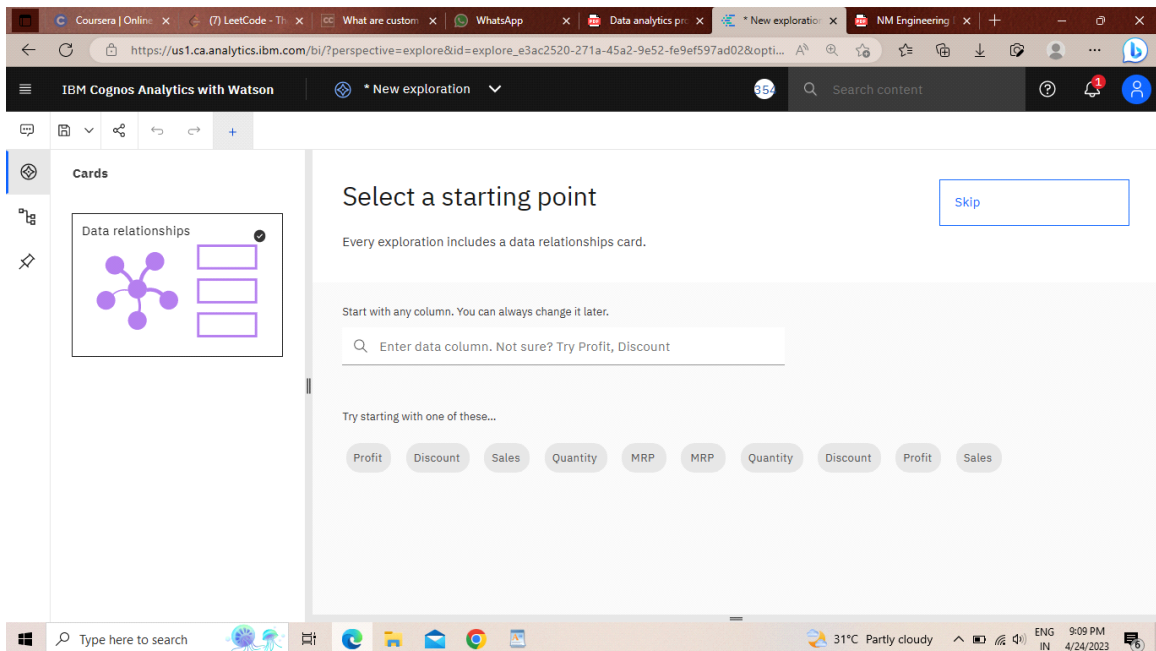
The screenshot shows the IBM Cognos Analytics interface. On the left, a sidebar contains navigation options: Home, New, Upload data, Content, Recent, and Manage. The 'New' menu is expanded, showing options for Data (Data module), Explore (Exploration), and Present (Dashboard, Report, Story). The 'Data module' option is highlighted. In the main area, a table titled 'Custom tables' is displayed with the following data:

Invoice ID	Branch	City	Customer type
750-67-8428	A	Yangon	Member
226-31-3081	C	Naypyitaw	Normal
631-41-3108	A	Yangon	Normal
123-19-1176	A	Yangon	Member
373-73-7910	A	Yangon	Normal
699-14-3026	C	Naypyitaw	Normal
355-53-5943	A	Yangon	Member
315-22-5665	C	Naypyitaw	Normal
665-32-9167	A	Yangon	Member
692-92-5582	B	Mandalay	Member

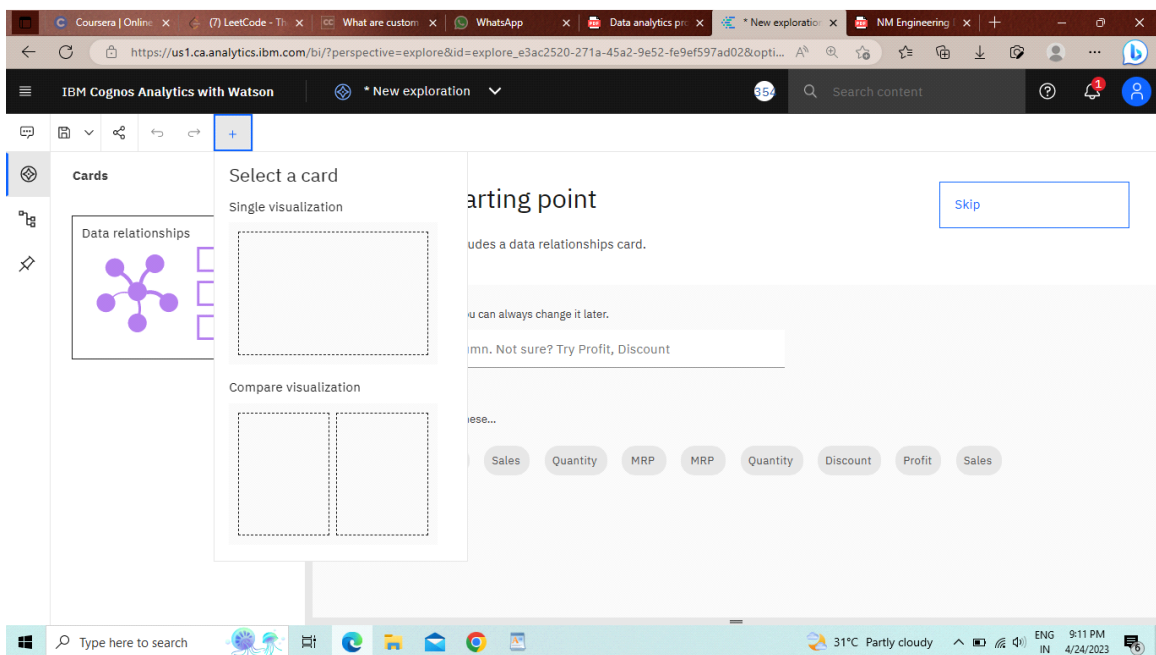
STEP:8: Then it will take to starting page of exploration

The screenshot shows the 'Select a starting point' page in IBM Cognos Analytics. The page has a sidebar with 'Cards' and a main area with the title 'Select a starting point'. Below the title, it says 'Every exploration includes a data relationships card.' and 'Start with any column. You can always change it later.' There is a search bar with the placeholder text 'Enter data column. Not sure? Try Profit, Discount'. Below the search bar, there are several buttons labeled 'Profit', 'Discount', 'Sales', 'Quantity', 'MRP', 'MRP', 'Quantity', 'Discount', 'Profit', and 'Sales'. A 'Skip' button is located in the top right corner.

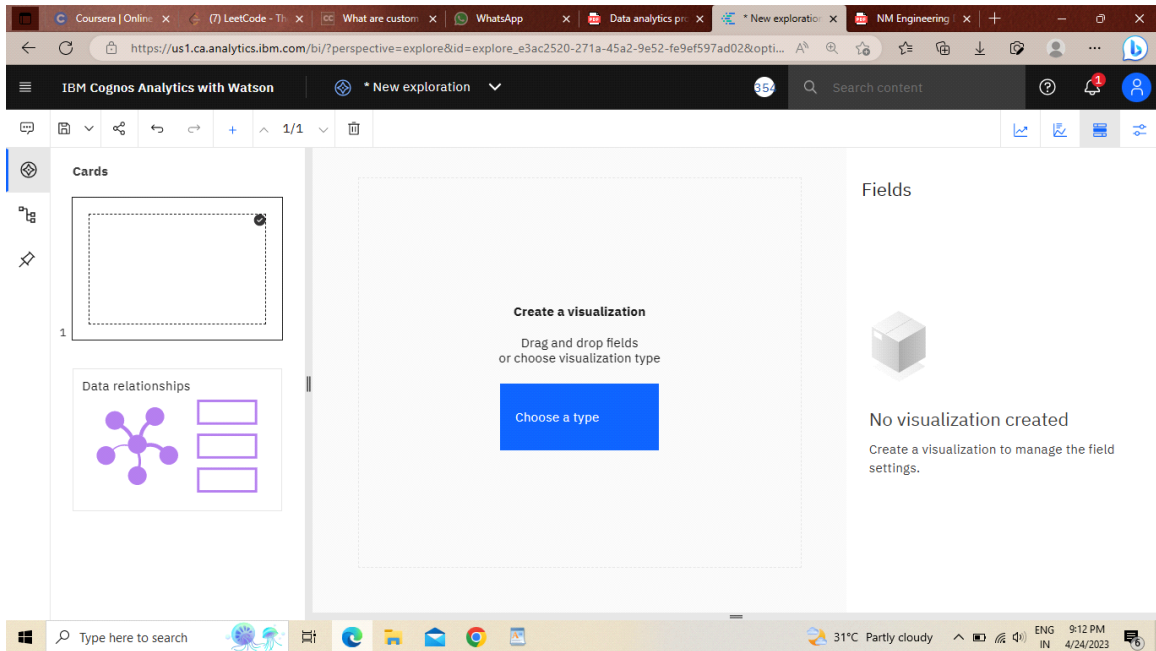
STEP:9: Select '+' symbol to select visualization.



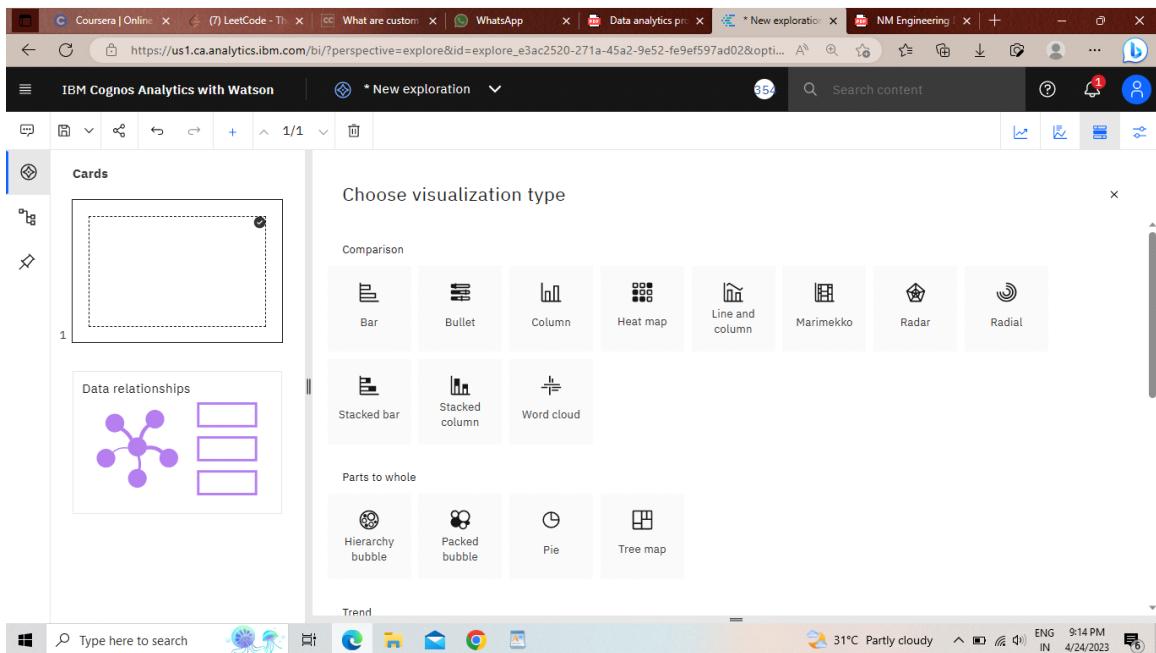
STEP:10 Select any visualization as your wish.



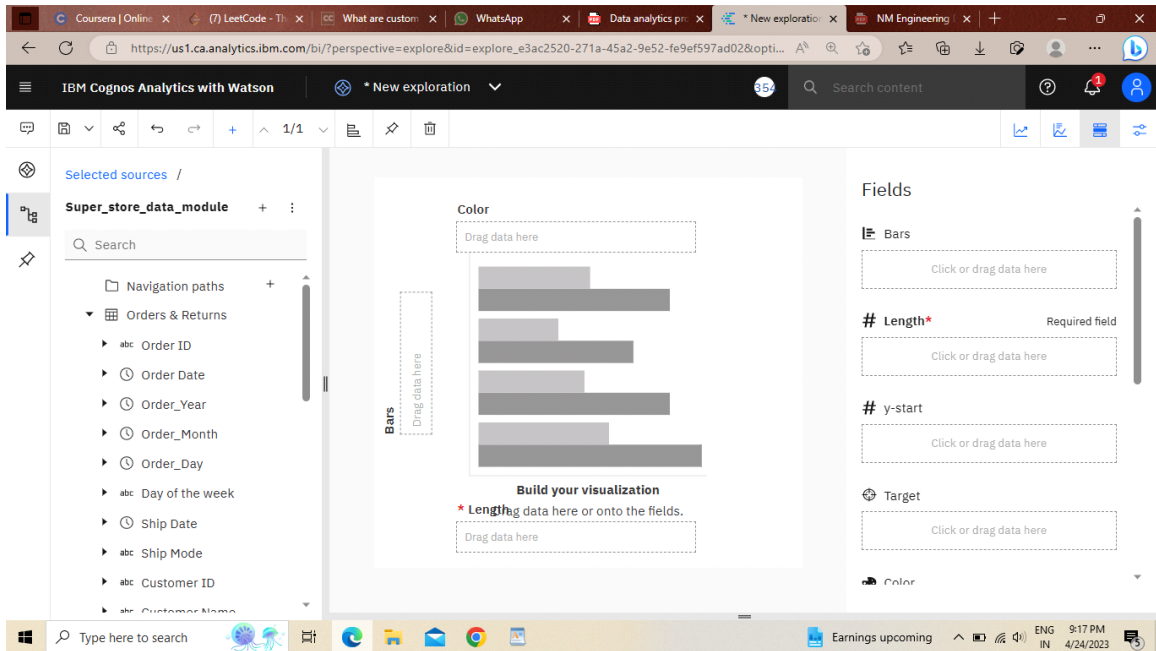
STEP:11 Then we have to choose visualization type by clicking choose type button.



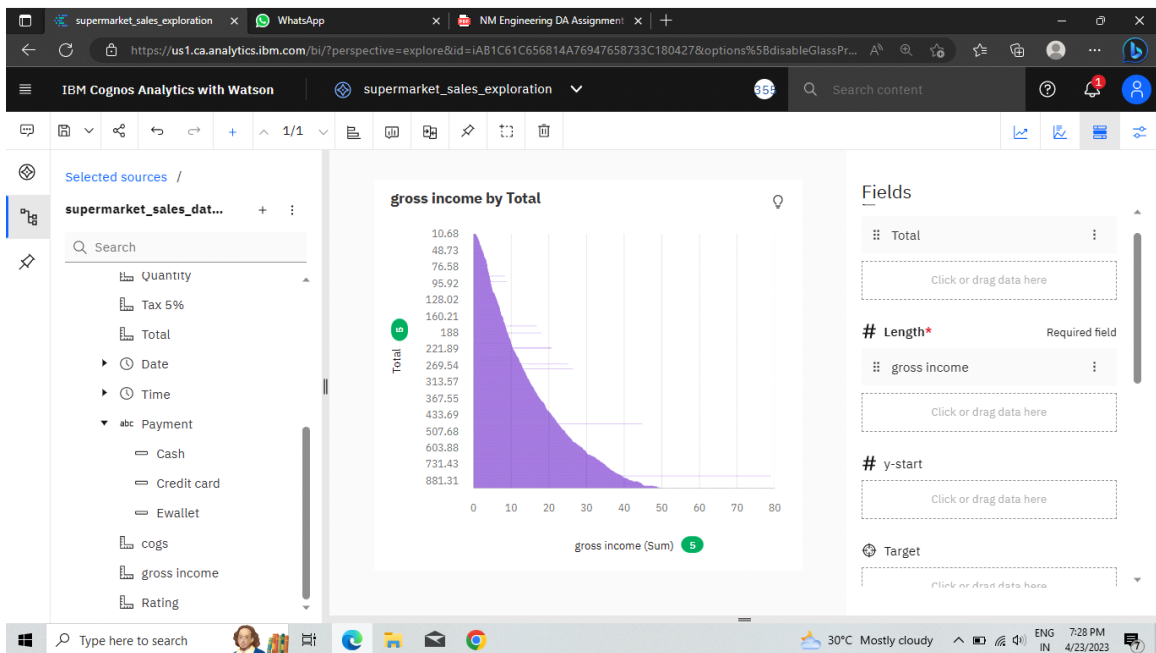
STEP:12 You can select any visualization type showed below.

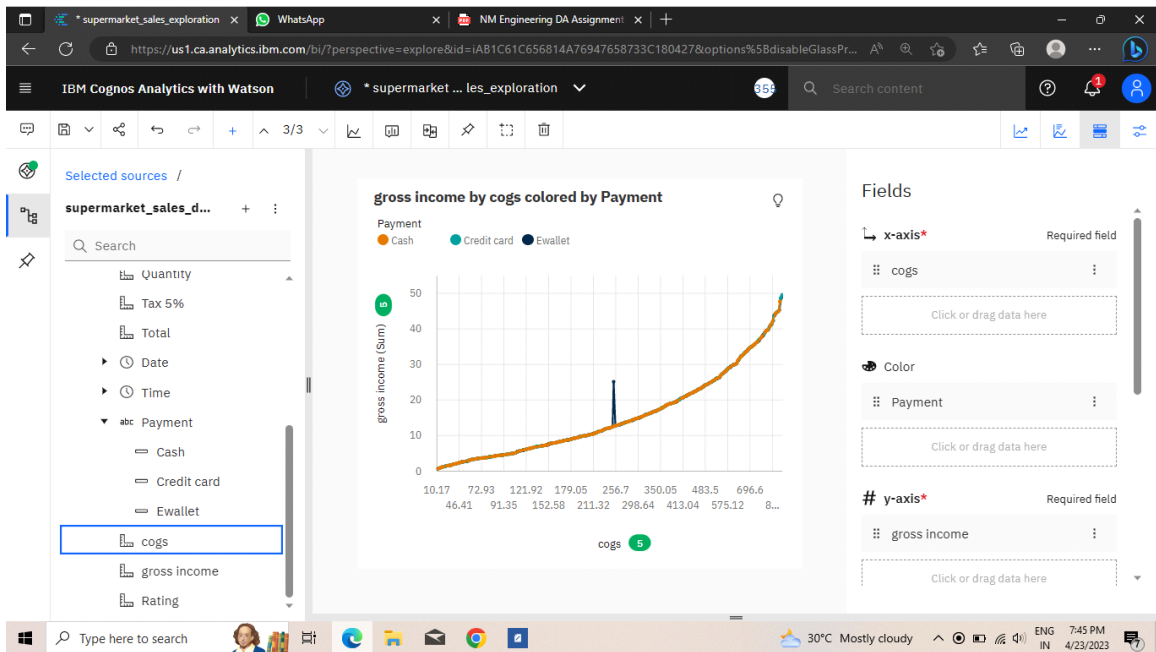
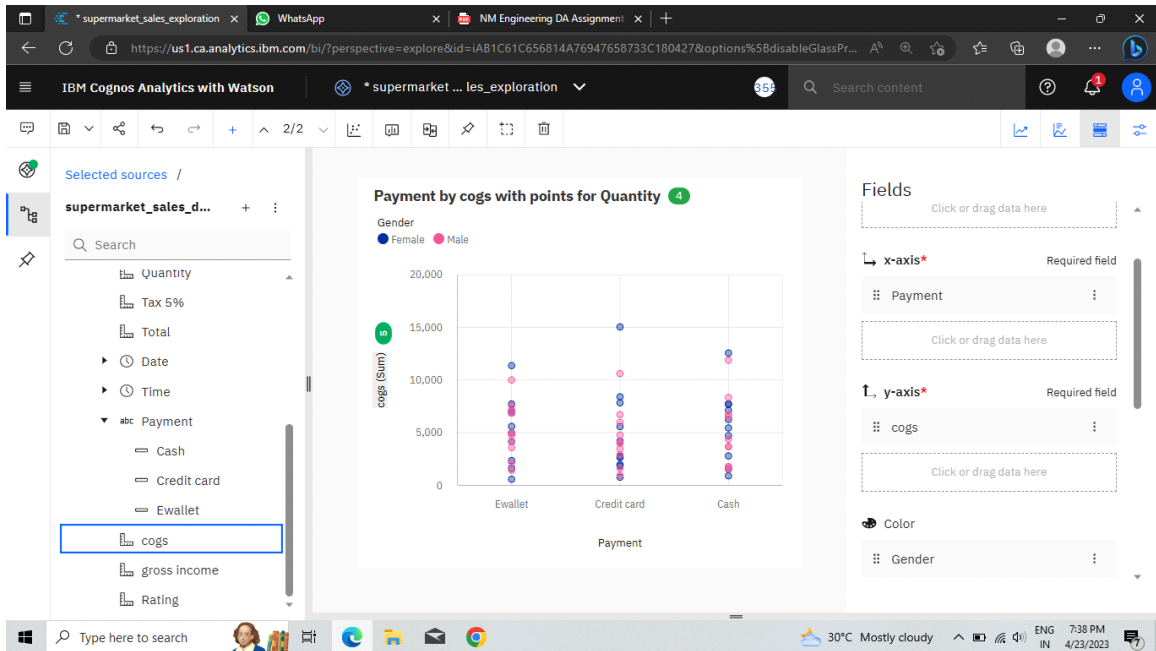


STEP:13 :After selecting visualization type ,you can create visualization by drag and drop.

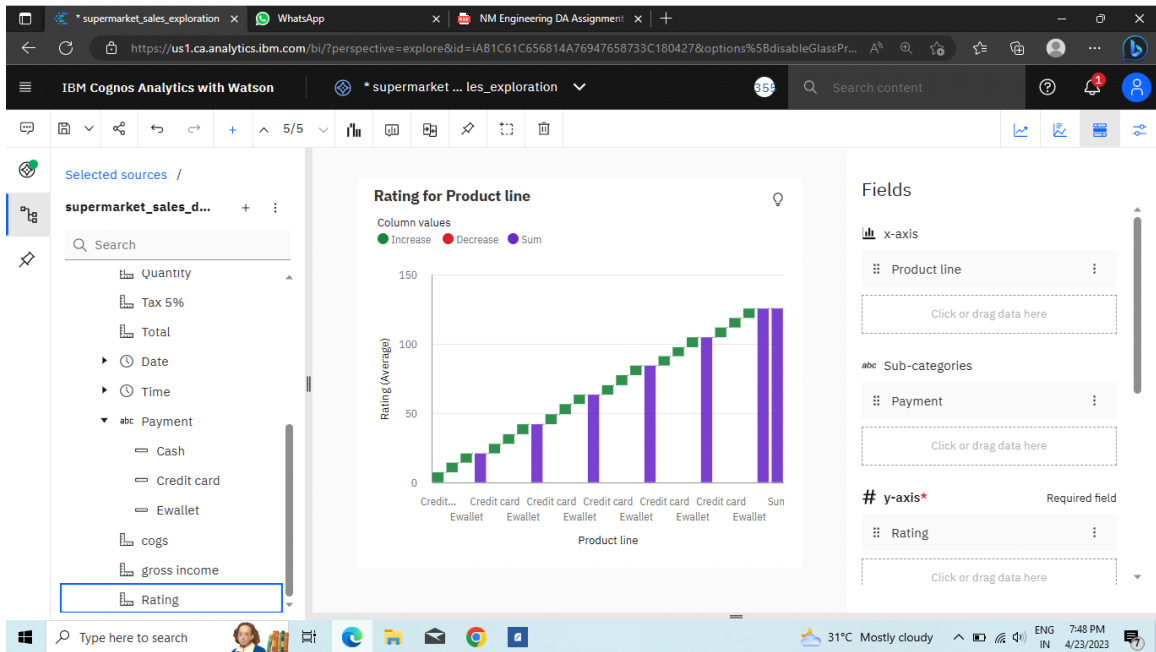
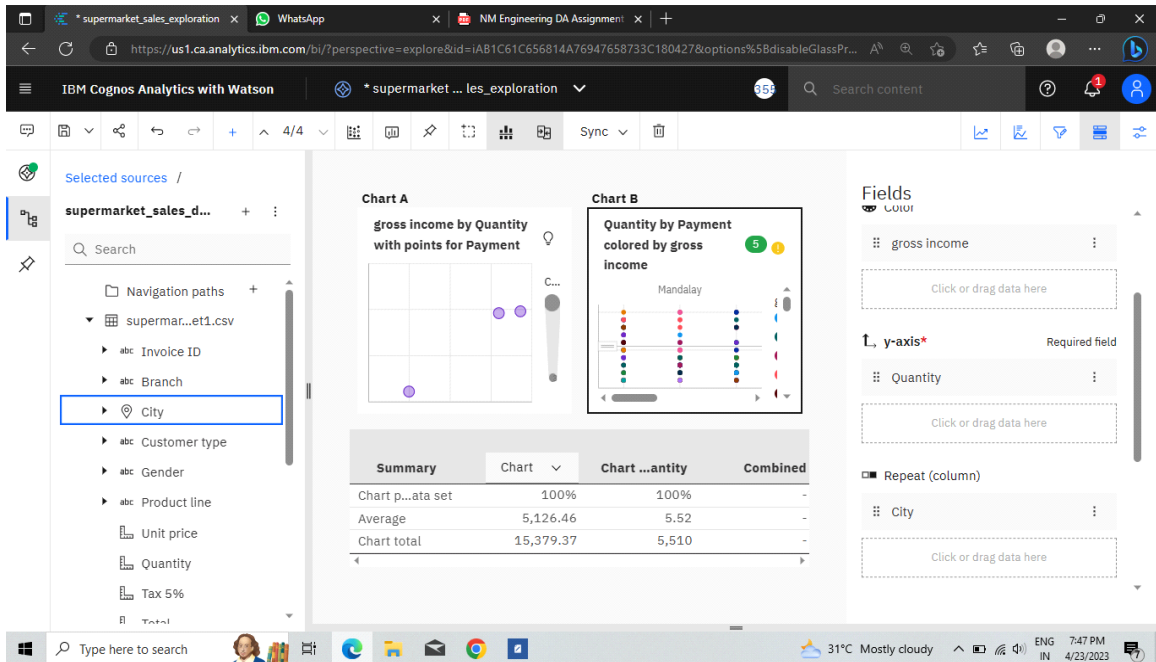


STEP:14 Then you need to create atleast 5 different visualization.





Comparison:



Coursera | Online X (7) LeetCode - Tl X What are custom X WhatsApp X Data analytics p... X supermarket... X NM Engineering X

https://us1.ca.analytics.ibm.com/bi/?perspective=explore&id=iAB1C61C656814A76947658733C180427&objRef=iAB1...

IBM Cognos Analytics with Watson *supermarket ... les_exploration 154 Search content

IBM Cognos Analytics with Watson *supermarket ... les_exploration 154 Search content

Product line by Payment and Date

Payment - Date

Ewallet | 1/4/2019

Ewallet | 2/1/2019

Ewallet | 1/2/2019

Ewallet | 1/16/2019

Credit card | 2/10/2019

Cash | 3/23/2019

Ewallet | 3/17/2019

Ewallet | 2/15/2019

Credit card | 1/6/2019

Ewallet | 2/21/2019

Cash | 1/5/2019

Cash | 1/30/2019

Credit card | 3/25/2019

Cash | 3/18/2019

Cash | 1/22/2019

Cash | 1/12/2019

Credit card | 3/7/2019

Credit card | 1/9/2019

Ewallet | 2/13/2019

Credit card | 2/12/2019

Fields

Segments*

Required field

Payment

Date

Click or drag data here

Size*

Required field

Product line

Click or drag data here

Repeat (column)

Click or drag data here

Repeat (row)

Type here to search

30°C Mostly cloudy

ENG 9:29 PM IN 4/24/2023