

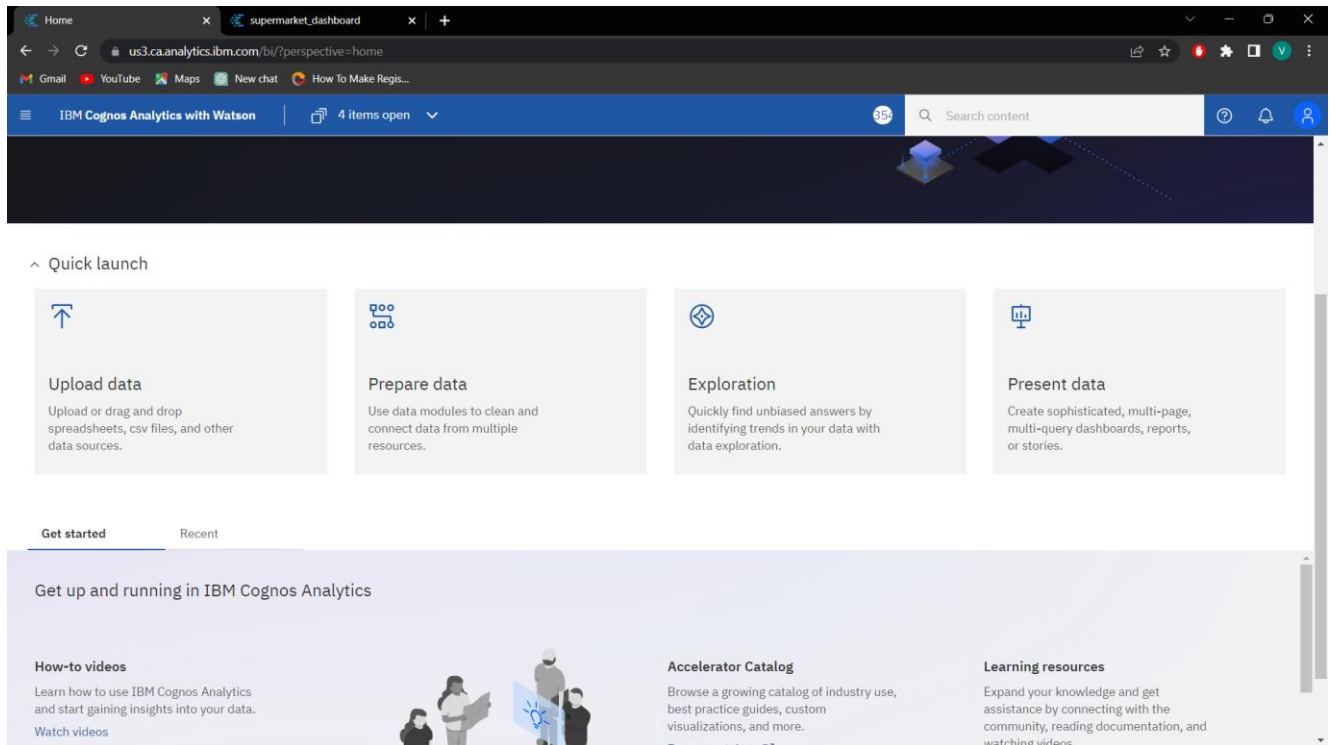
Supermarket sale analysis visualization

Name: Venkatagiriraju U

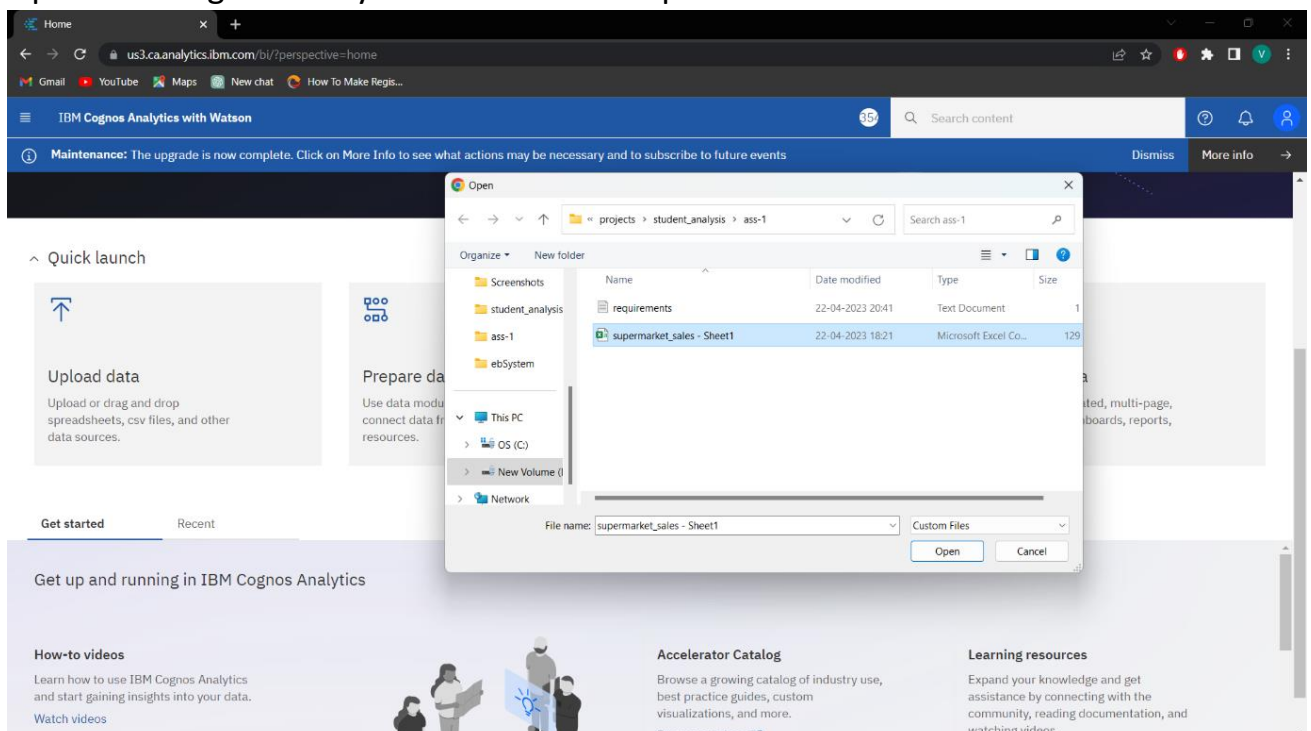
Team id: NM2023TMID17100

Ibm id: 2k20cse191@kiot.ac.in

Uploading:



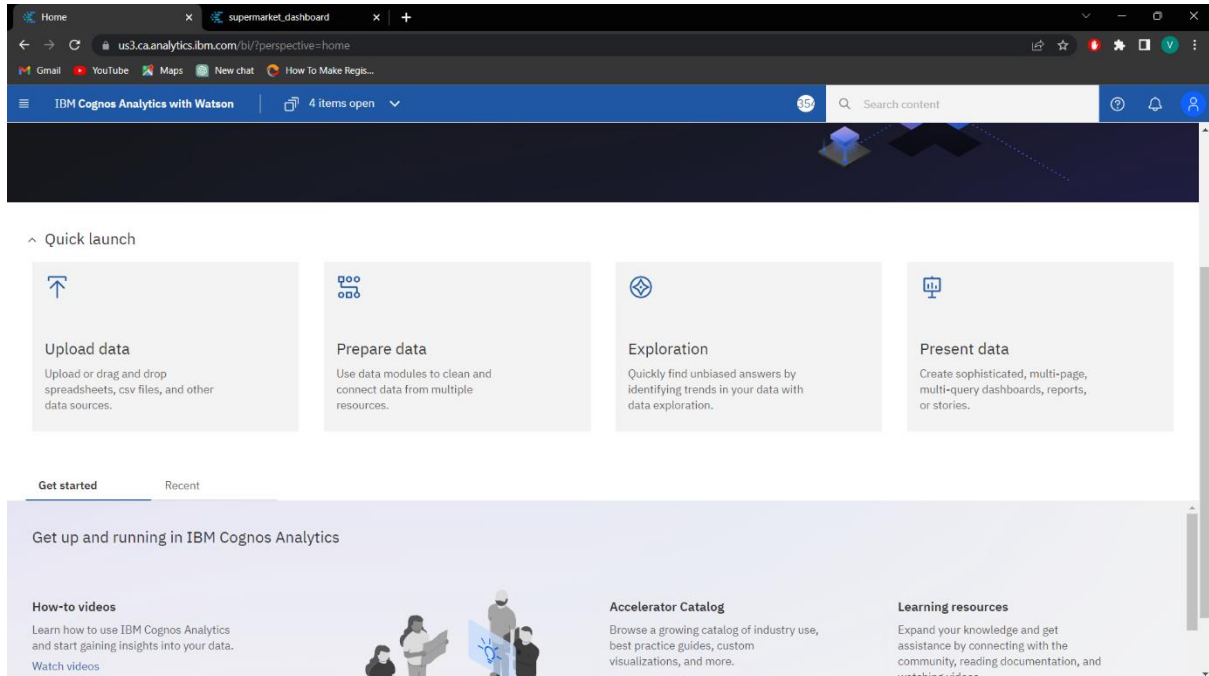
Open IBM Cognos Analytics. Then choose upload data.



Supermarket sale analysis visualization

Upload the csv data file which we downloaded from the given link on the assignment.

Preparing:



After uploading, go to the prepare data and choose the uploaded csv file.

The screenshot shows the 'New data module' interface in IBM Cognos Analytics. The interface includes a 'Data module' sidebar on the left with 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, gross ma..., rcentage, and gross income. The main area displays a data table with columns: Row Id, Branch, City, Customer type, Gender, Product line, and various sales metrics. A context menu is open over the 'Filter...' column header, showing options: Create calculation..., Create data group..., Create navigation path..., Show to users, Remove, Format data..., Clean..., Sort descending, Sort ascending, and Properties.

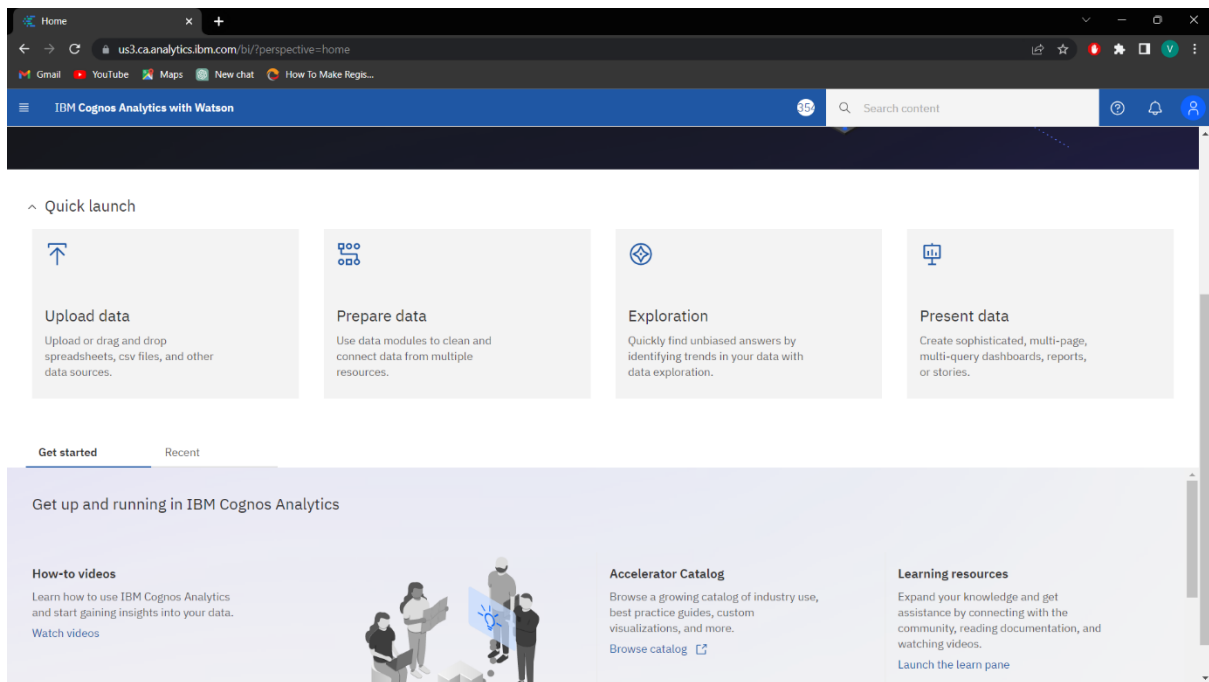
Row Id	Branch	City	Customer type	Gender	Product line	Unit price	Quantity	Tax 5%	Total	Date	Time	Payment	cogs	gross ma...	centage	gross income
1	A	Yangon	Member	Female	Health and beau											
2	C	Naypyitaw	Normal	Female	Electronic acces											
3	A	Yangon	Normal	Male	Home and lifest											
4	A	Yangon	Member	Male	Health and beau											
5	A	Yangon	Normal	Male	Sports and trave											
6	C	Naypyitaw	Normal	Male	Electronic acces											
7	A	Yangon	Member	Female	Electronic acces											
8	C	Naypyitaw	Normal	Female	Home and lifest											
9	A	Yangon	Member	Female	Health and beau											
10	B	Mandalay	Member	Female	Food and bever											
11	B	Mandalay	Member	Female	Fashion acces											
12	B	Mandalay	Member	Male	Electronic acces											
13	A	Yangon	Normal	Female	Electronic acces											

Remove the unnecessary columns and check for the missing values. In my case, there is no missing case.

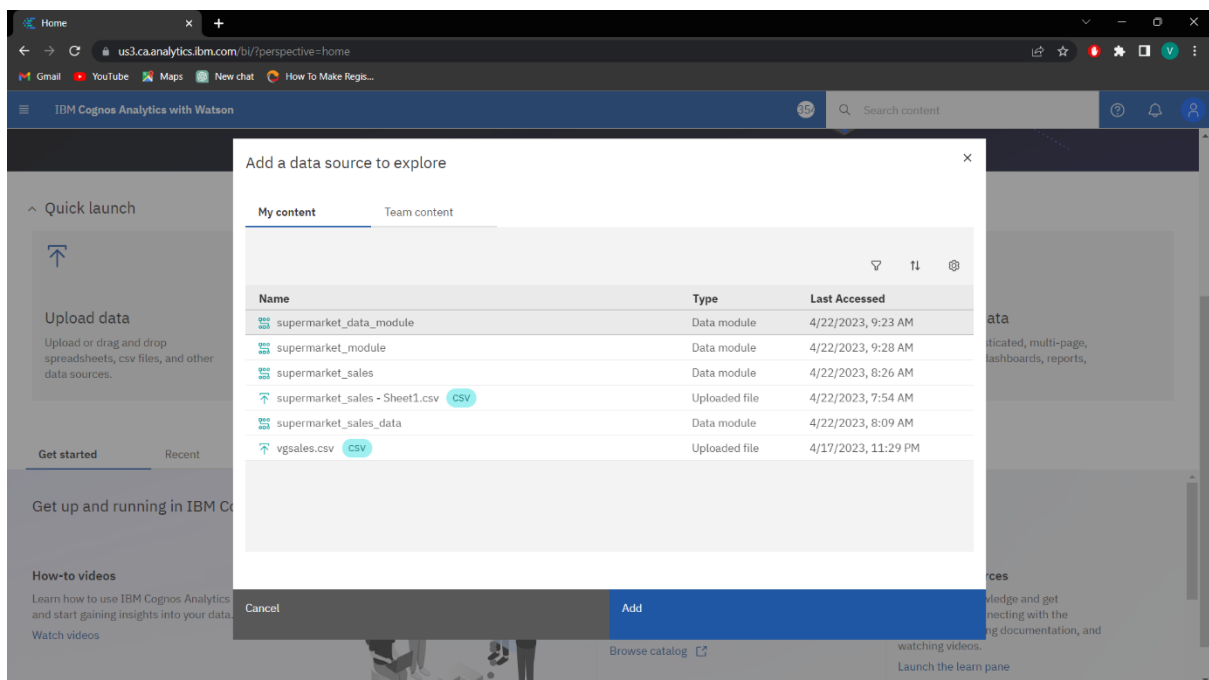
After removing, save the new data module in a required name.

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Exploring:

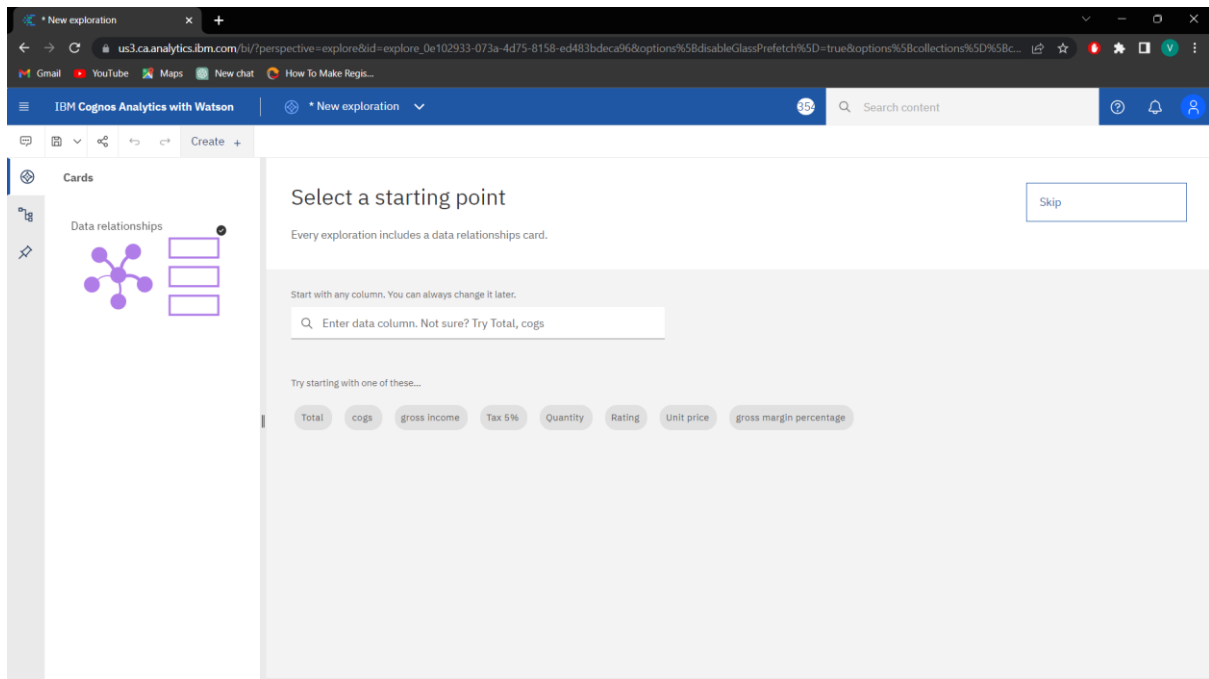


Go to explorations given in the menu and open the saved data module.

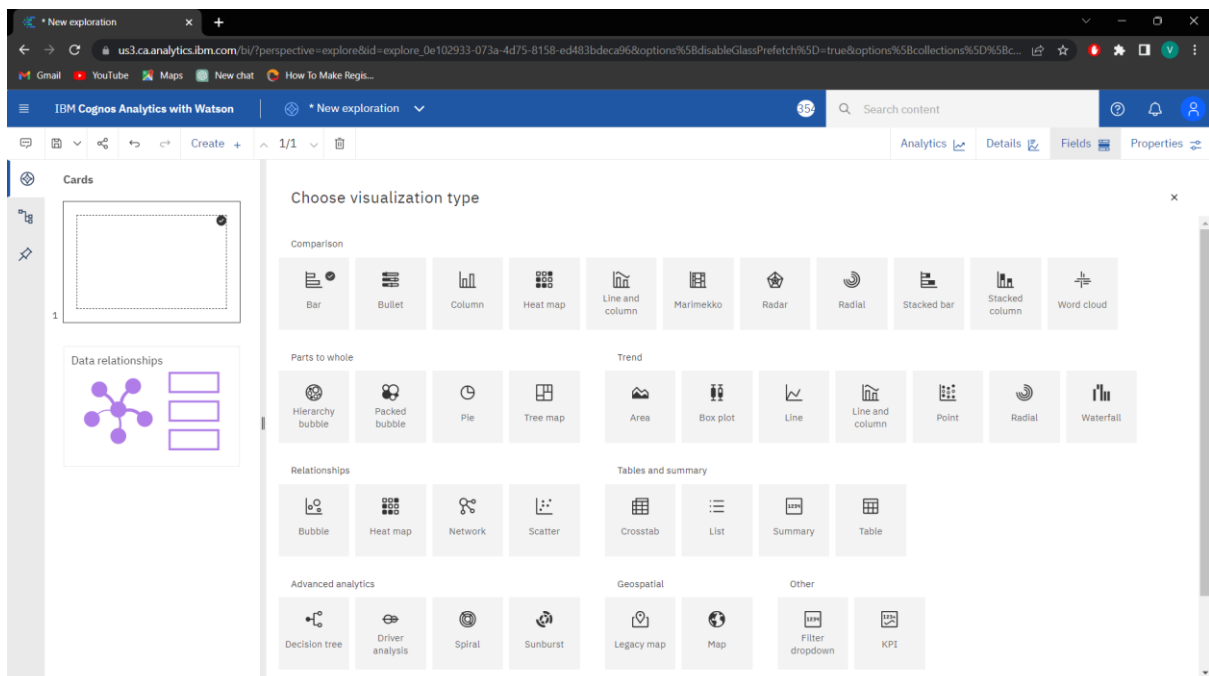


Then add the data module to the explorations.

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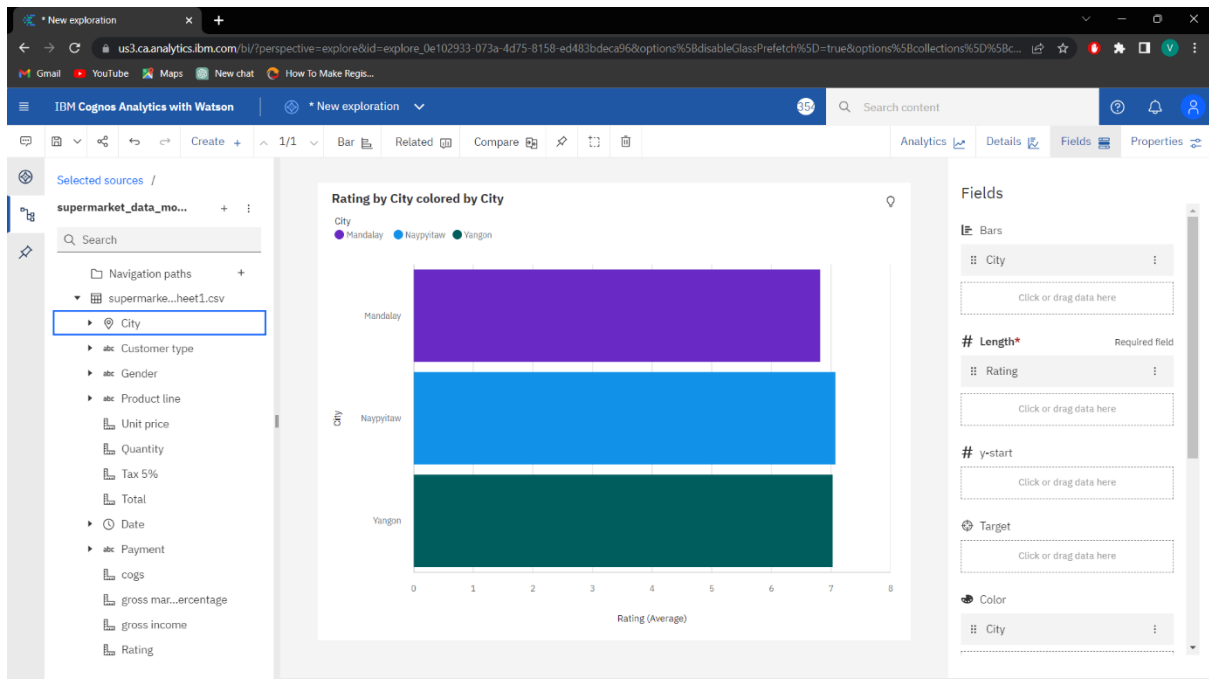


Click on create and choose the exploration style. In my case, I have chosen the single.

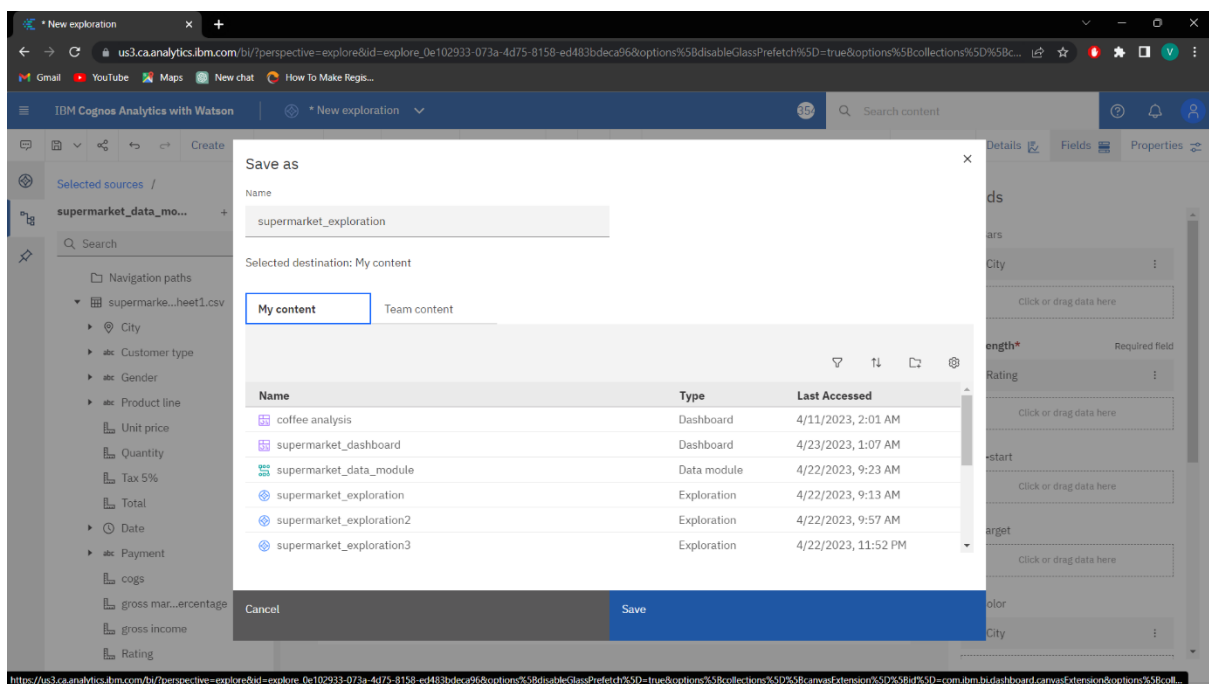


Then choose the type of the visualization. Each type of visualization is used for different needs.

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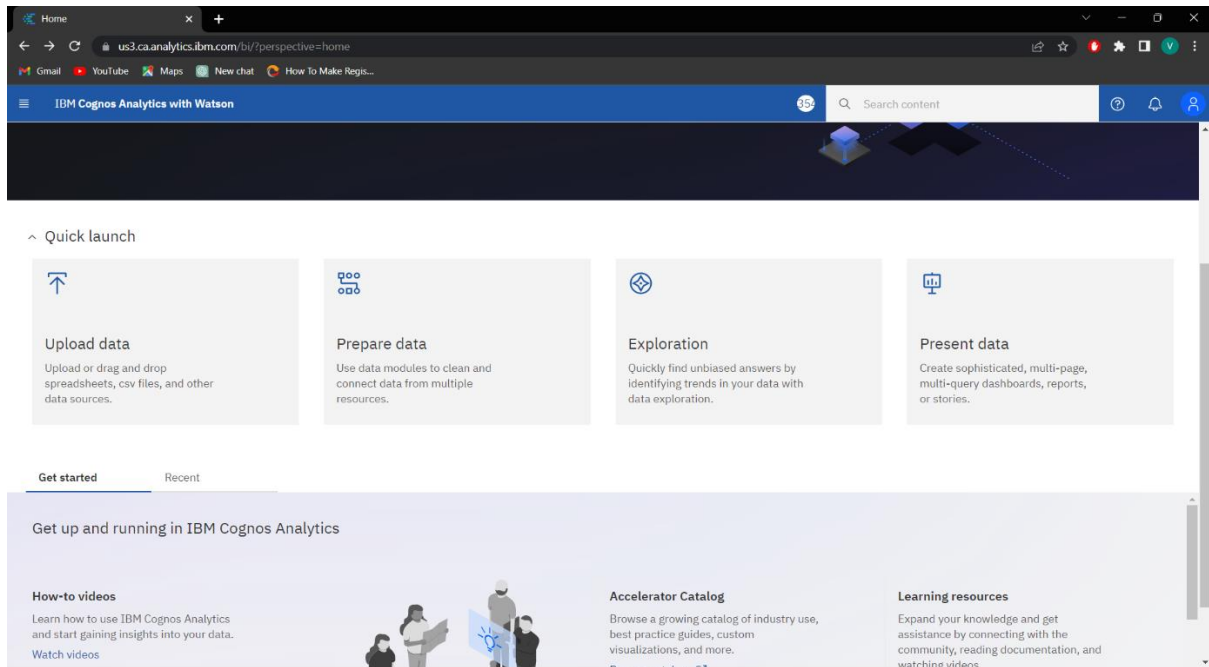
In the fields, we have to mention the attributes for the x-axis, y-axis and colours.



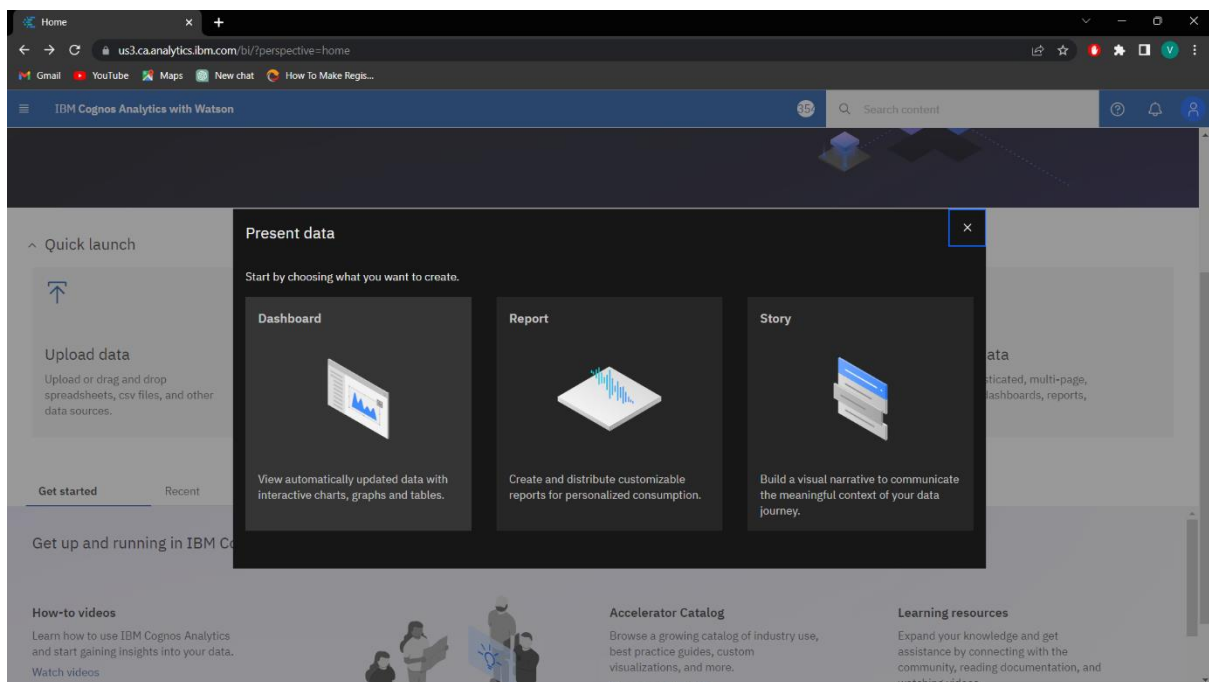
After exploring save it in a required name.

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Presenting:

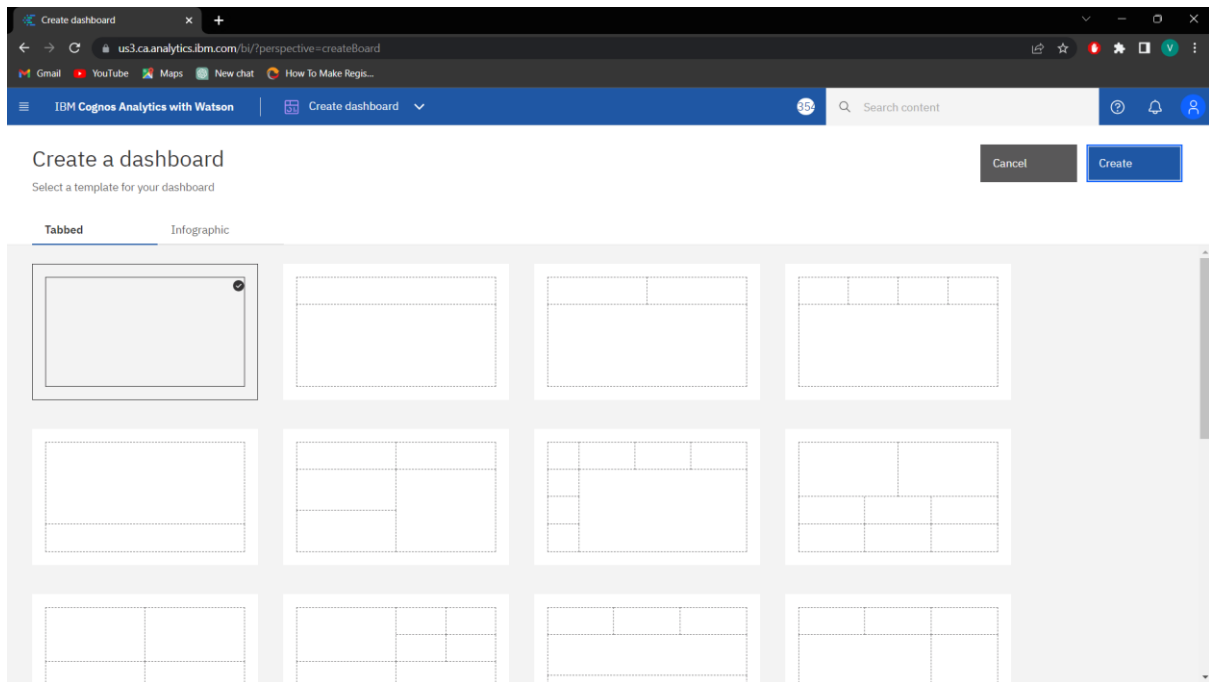


Go for the present data.

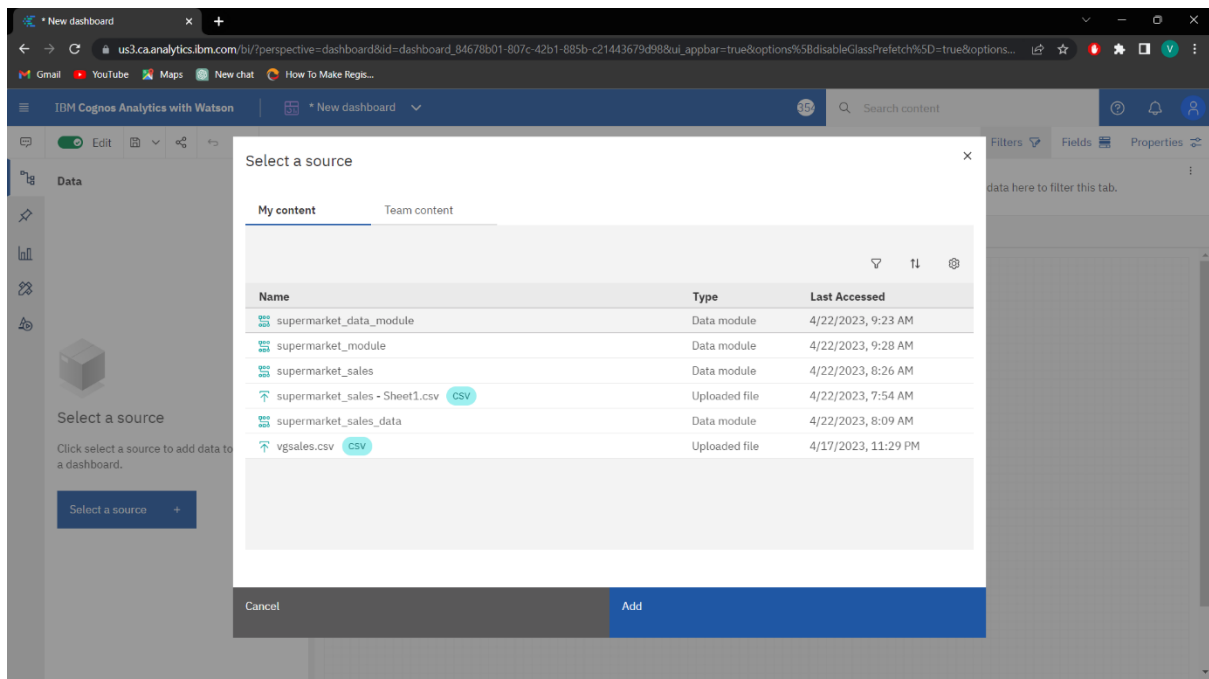


Choose the type of presentation. In my case I am using dashboard.

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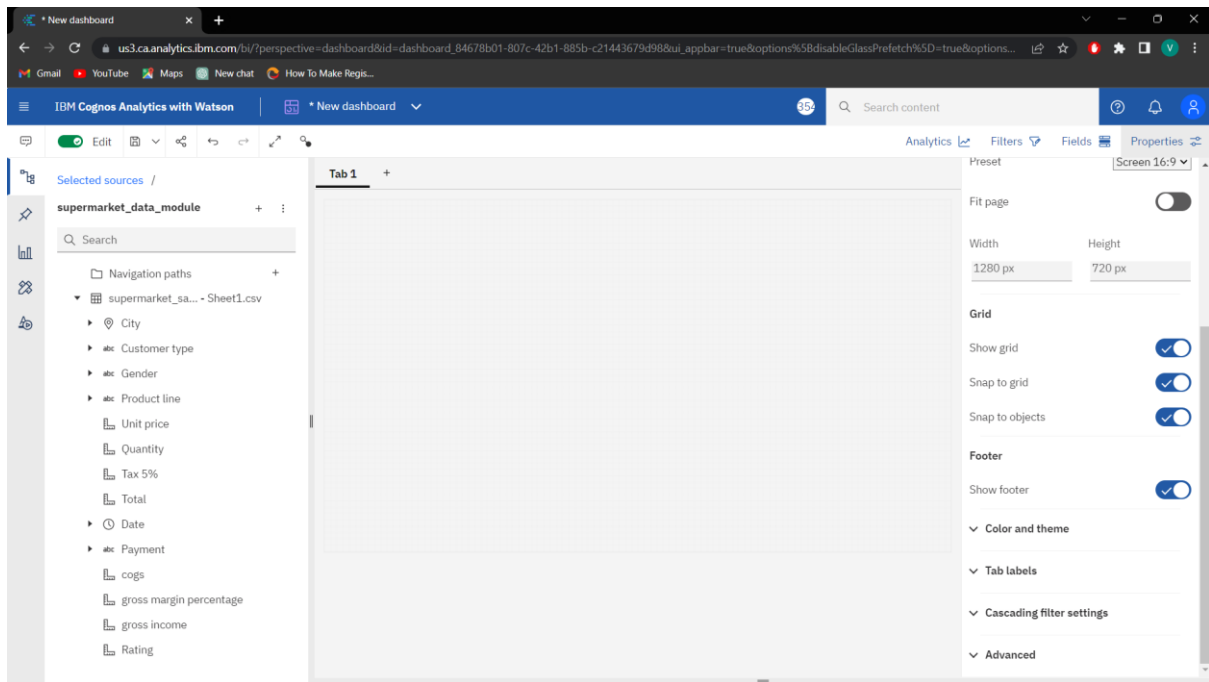


Choose the type of dashboard.

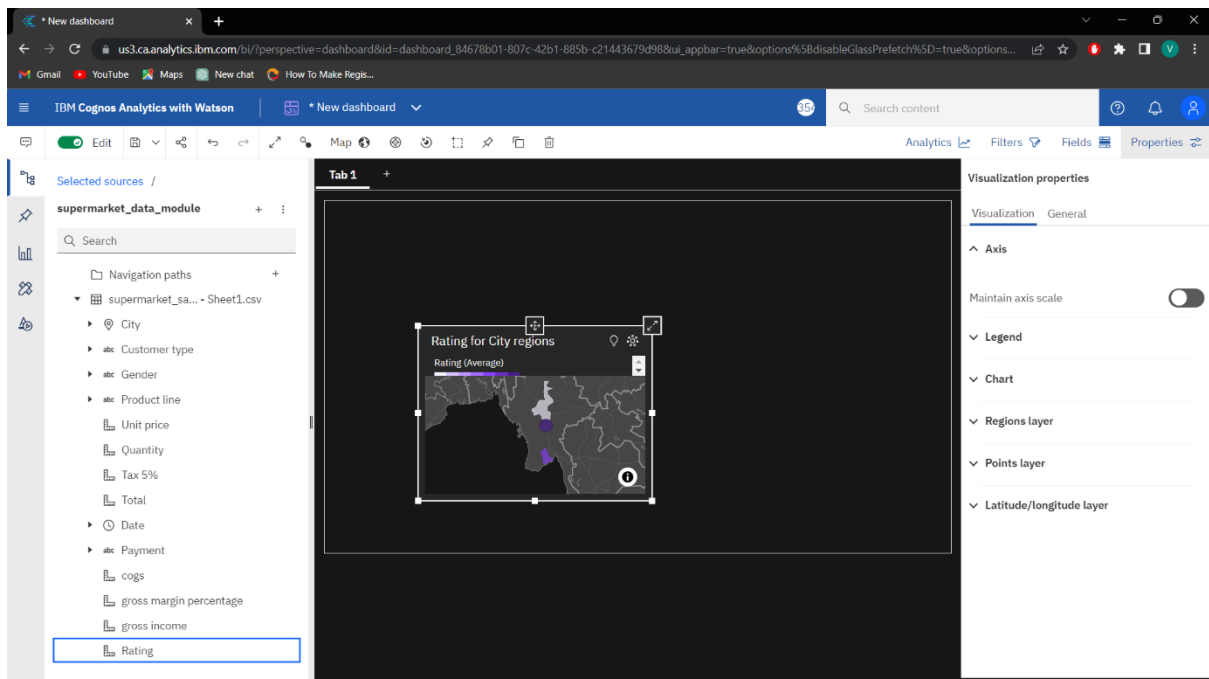


Add the source file to the dashboard.

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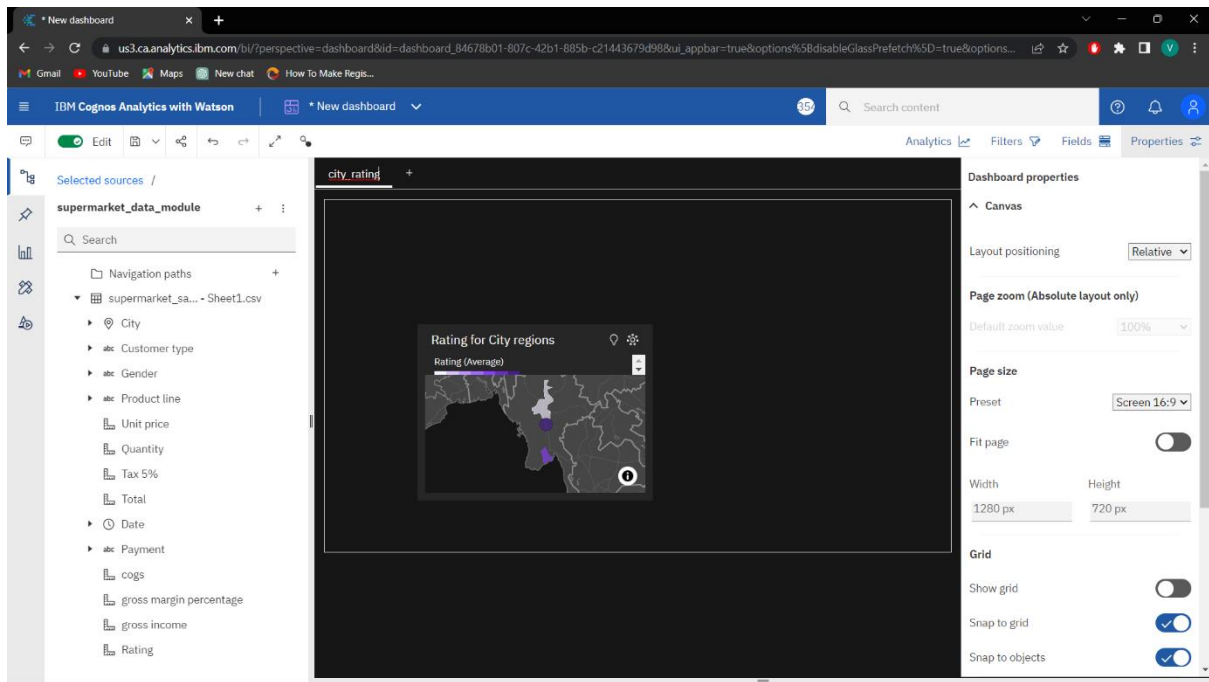


Adjust the dashboard settings for our convenience.

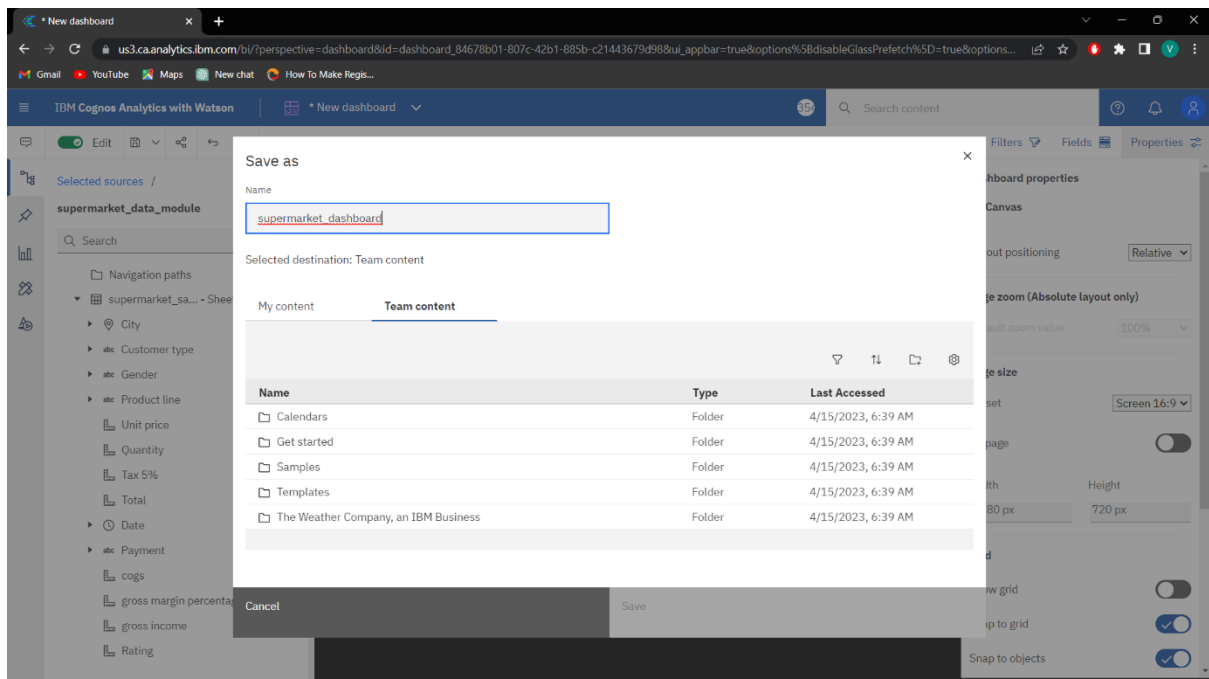


We can able to directly drag the data from the source or we can also able to plot our exploration directly from the pinned things.

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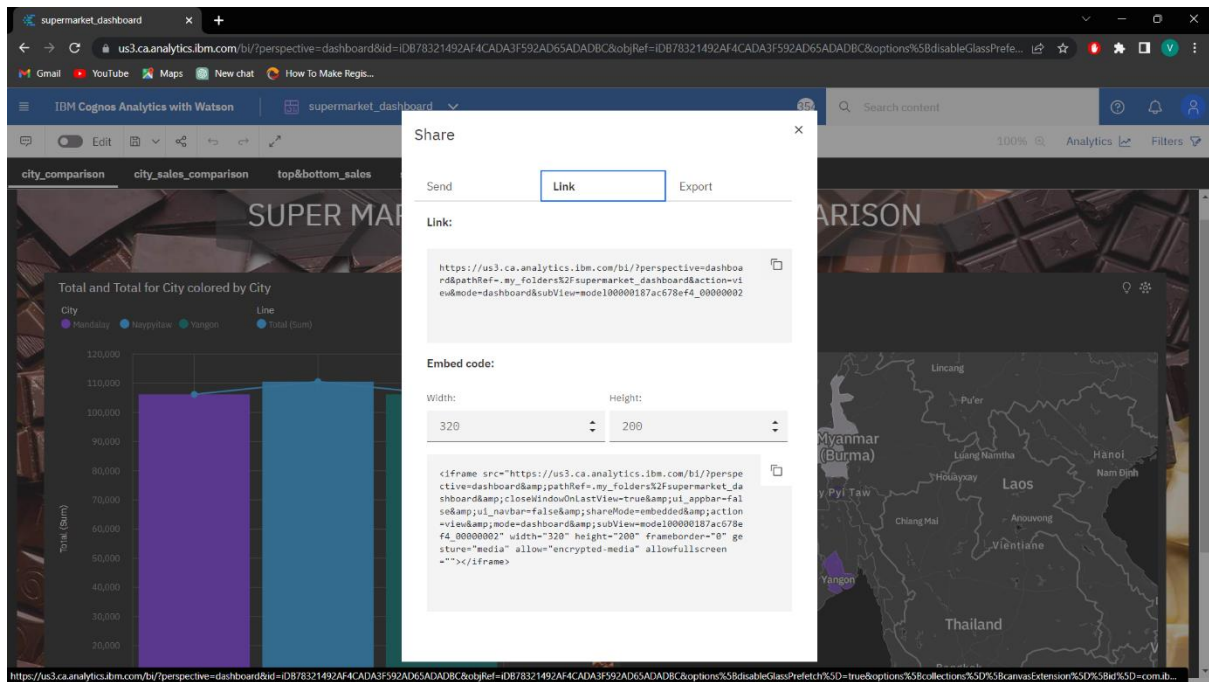
Change the tab name for our reference.



After that save the presentation. These steps are followed for all other tabs.

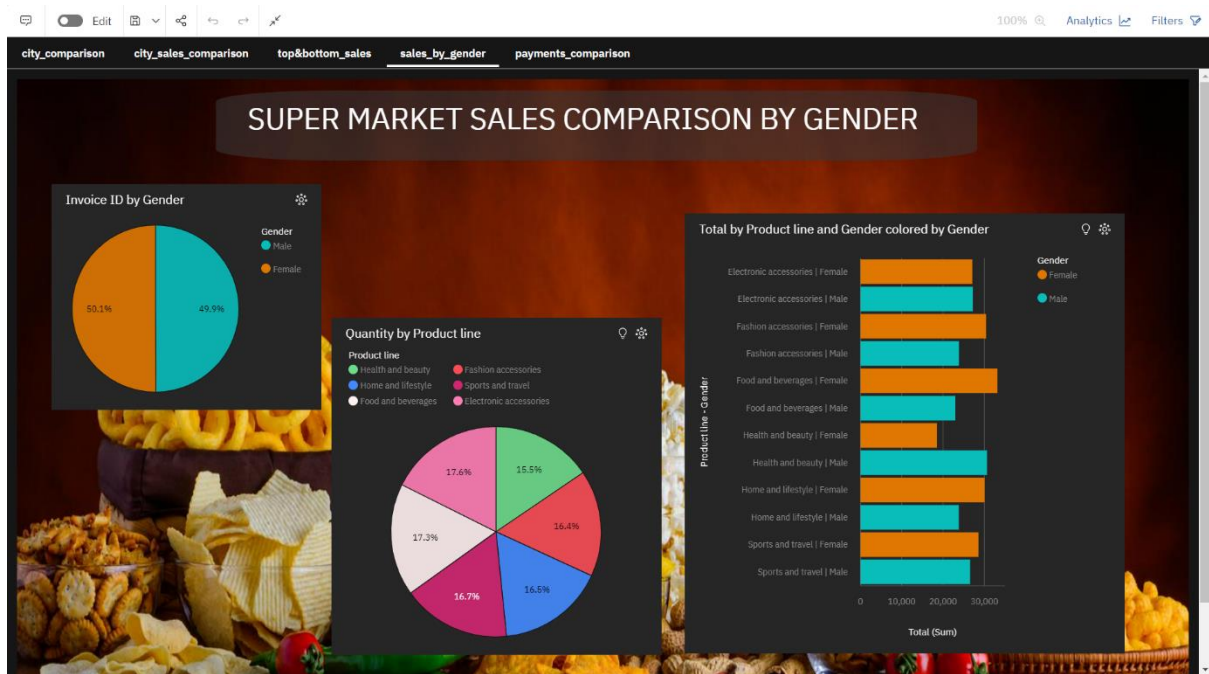
Finally we get the visualization of our analytics.

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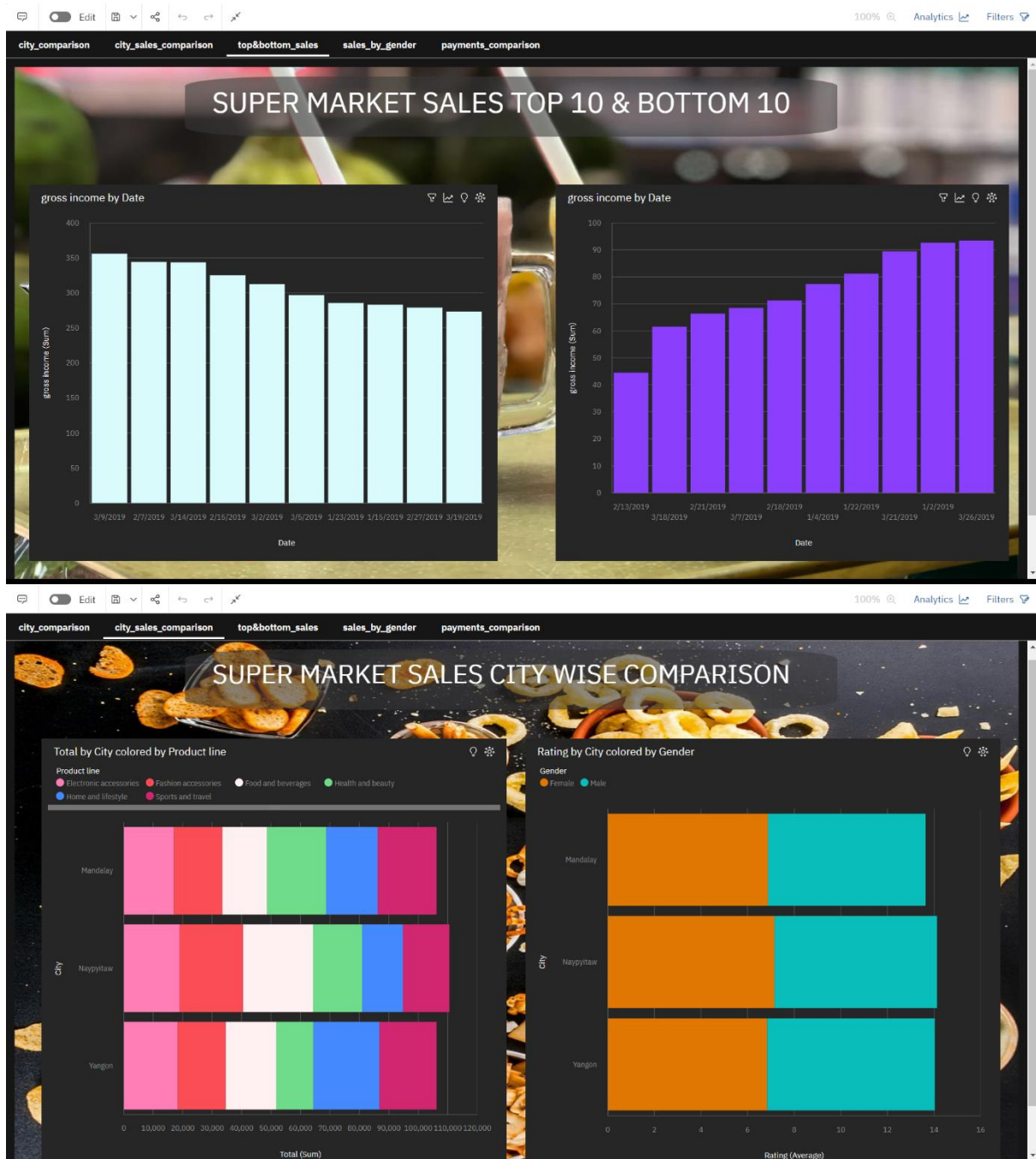


Using share option, we can able to share our presentation as direct link or the embed code.

Here I am attaching the screenshots of all the tabs I created:



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Here is the link for the presentation:

https://us3.ca.analytics.ibm.com/bi/?perspective=dashboard&pathRef=.my_folders%2Fsupermarket_dashboard&action=view&mode=dashboard&subView=model00000187ac678ef4_00000002