NAME : Aastha Tiwary

REGISTER NUMBER : 21BCE5542

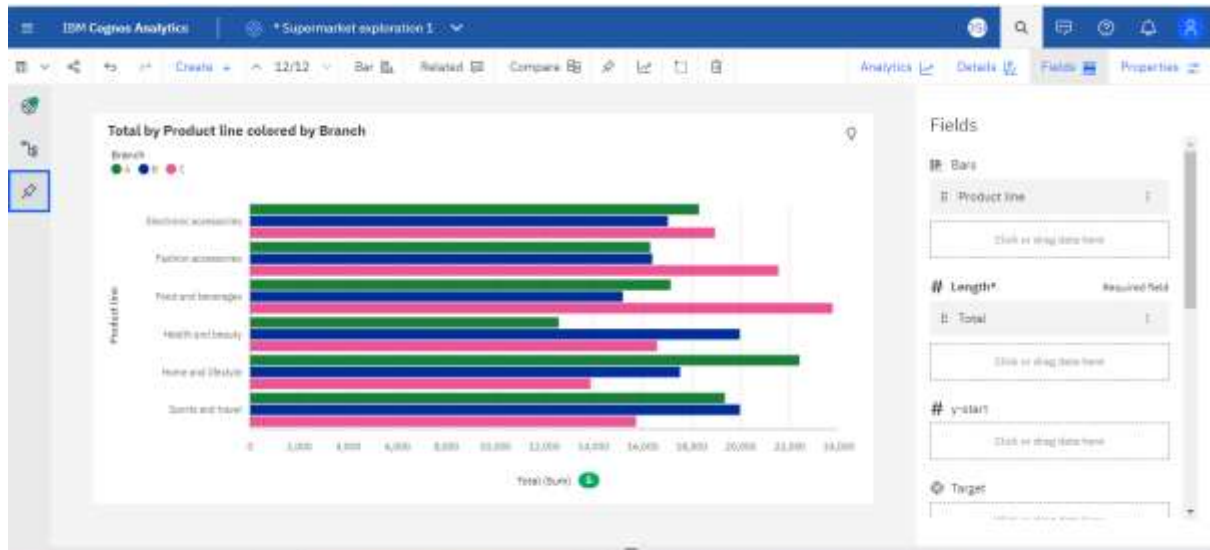**BRANCH :** CSE CORE

CAMPUS: VIT Chennai

COURSE : Data Anaytics with IBM cognos Analytics

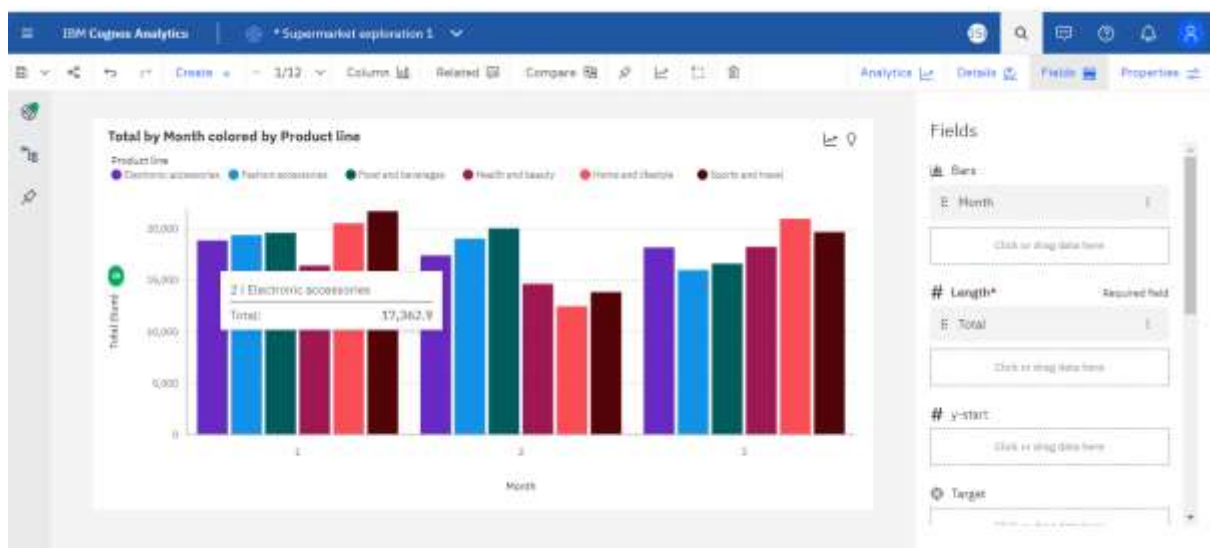**MAIL ID :** aastha.tiwary2021@vitstudent.ac.in

DA ASSIGNMENT -1

- **I uploaded the given dataset of SuperMarket Sales on IBM cognos site.**
- **Then , I went to the Open Menu Option on the Left-hand side and Clicked on New-→ Then DataModule**
- **Selected the source as SuperMarket Dataset and Removed the Time Column (Since it is different for each and every customer based on their purchase i.e unique and cant be used for exploration) and Splited the Date Column into YEAR , MONTH, DAY AND DAY OF THE WEEK after which I saved it with the name of Supermarket Data Module.**
- **Again, I went to the Open Menu Option on the Left-hand side and Clicked on New-→ Then Selected Exploration and created the following Visualization.**
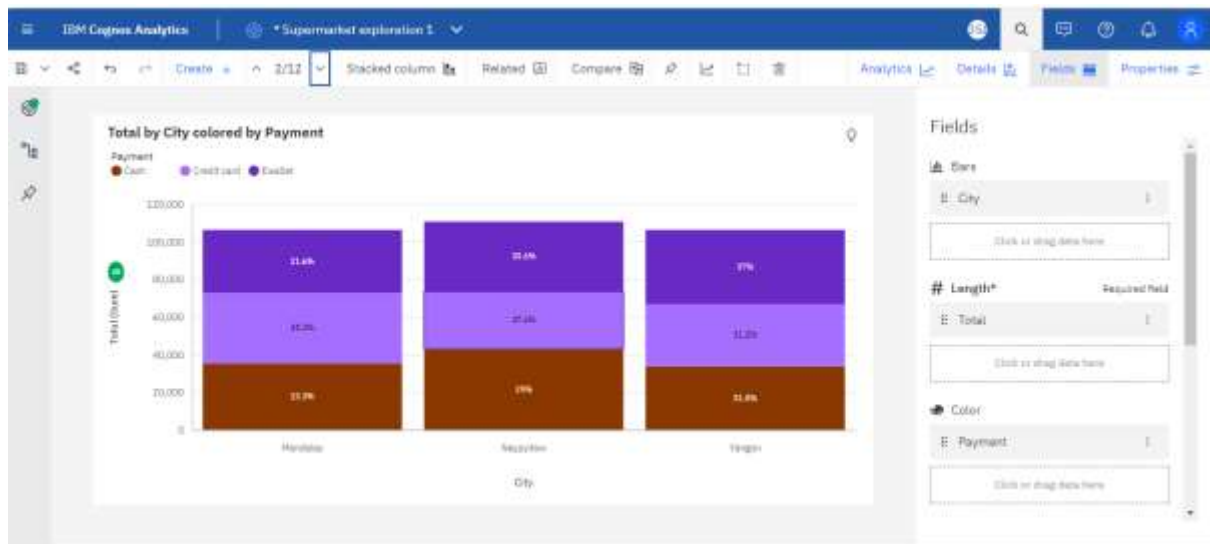
1) Bar Chart

Here,The total sales is displayed for different product line based on the branches .
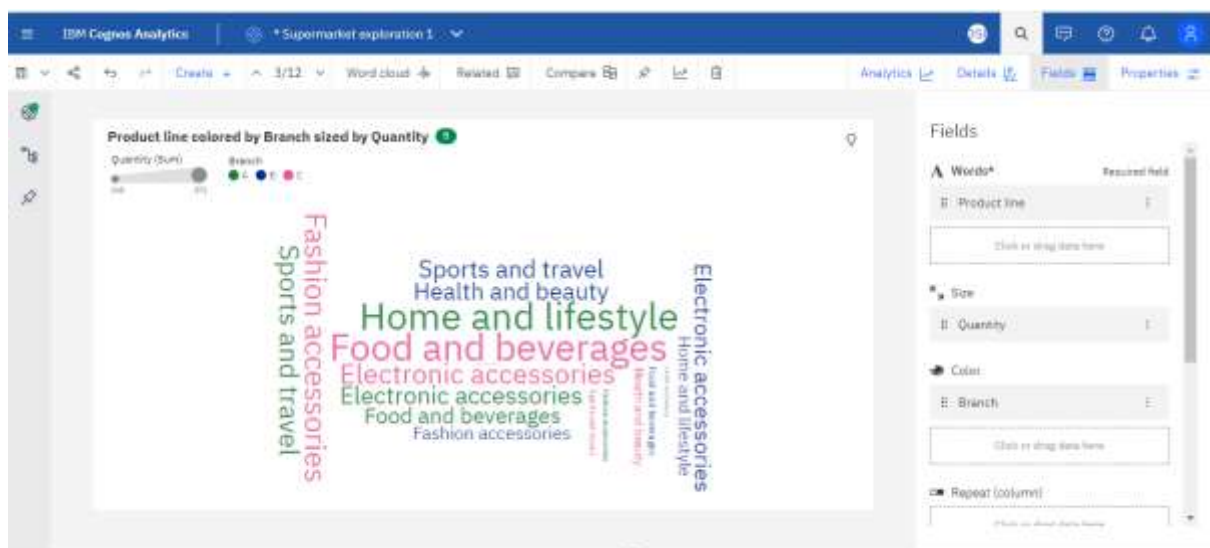
2) Column Chart

Here,The total sales of different month is displayed for different product lines.
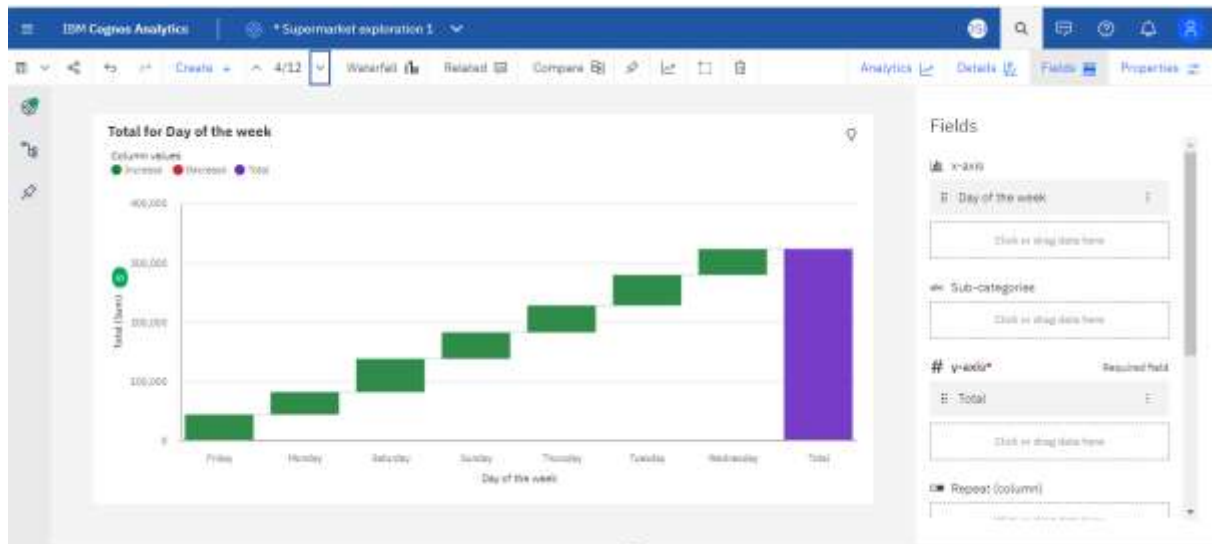
3) Stacked Column Chart

Here,total sales is displayed for different cities based on the mode of payment used in differnet cities.
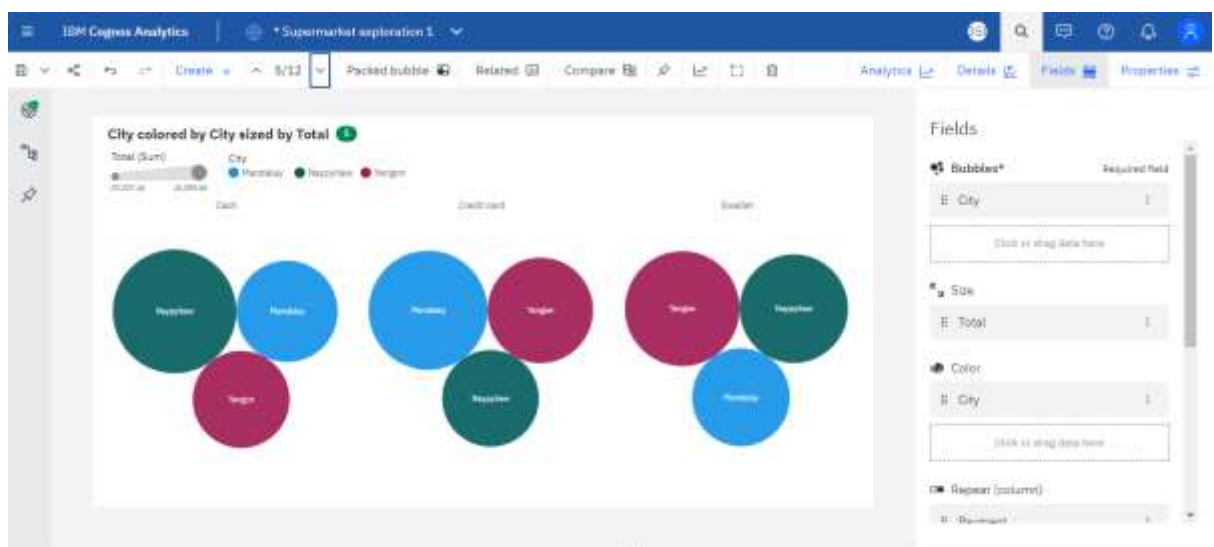
4) Word Cloud

Here, every product is displayed based on the quantity purchased in every branch .
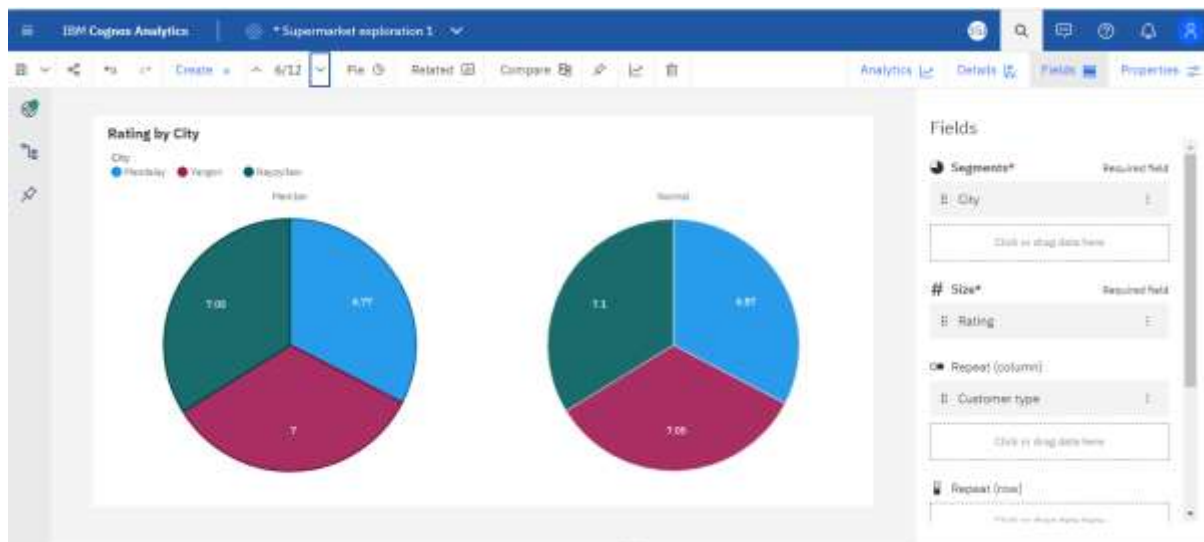
5) Waterfall Chart

The total Sales is displayed based on the days of the week.
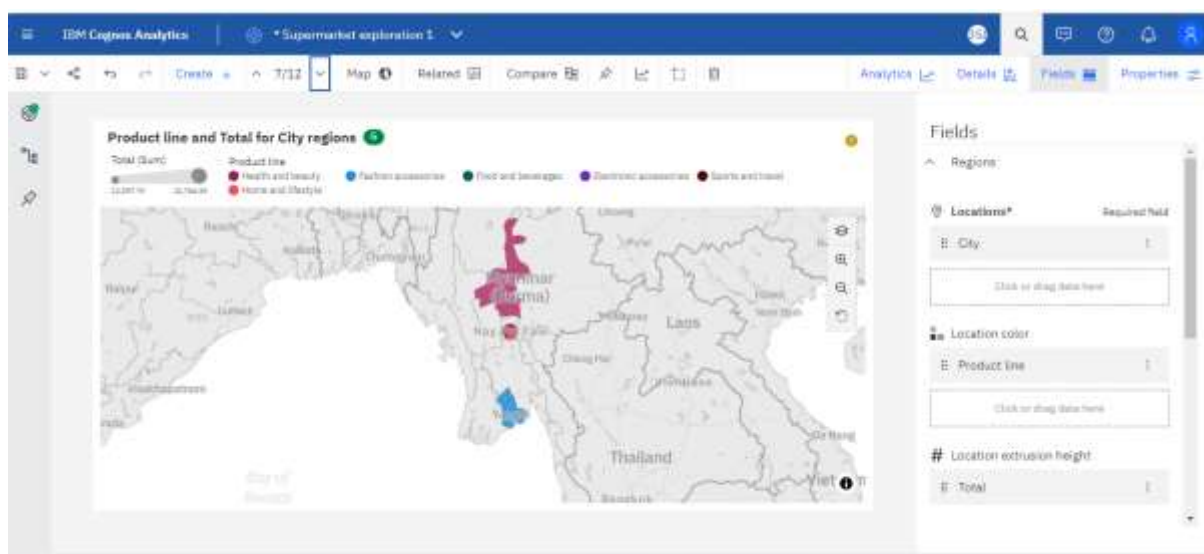
6) Packed Bubble Chart

Total Sales based on every city is displayed along with the payment methods used to the same.
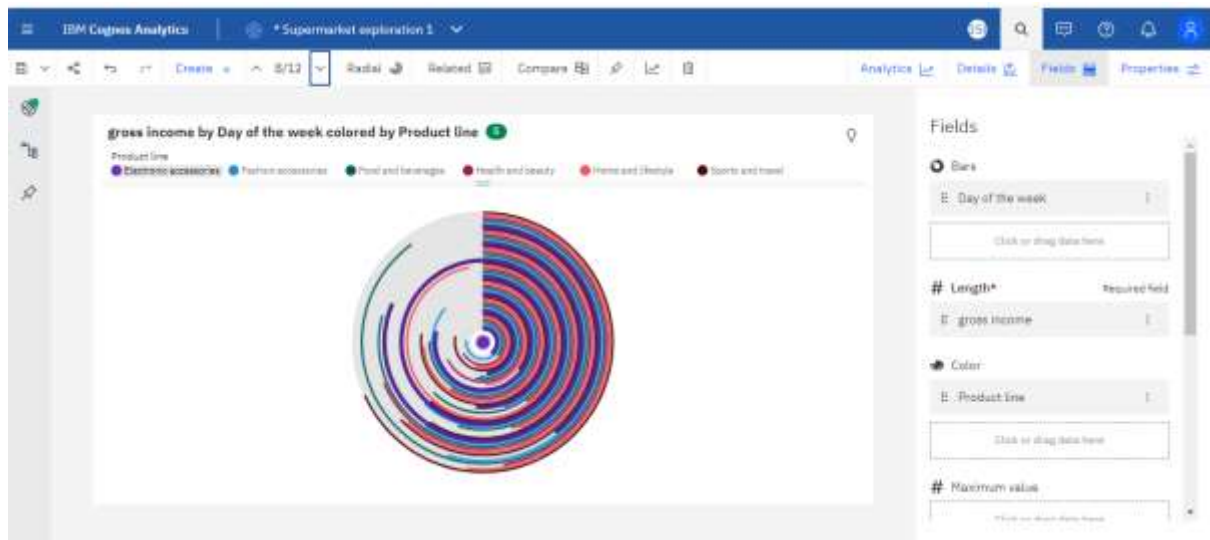
7) Pie Chart

The chart displayed the rating given by the normal customers and well as menbers of the market in different cities.
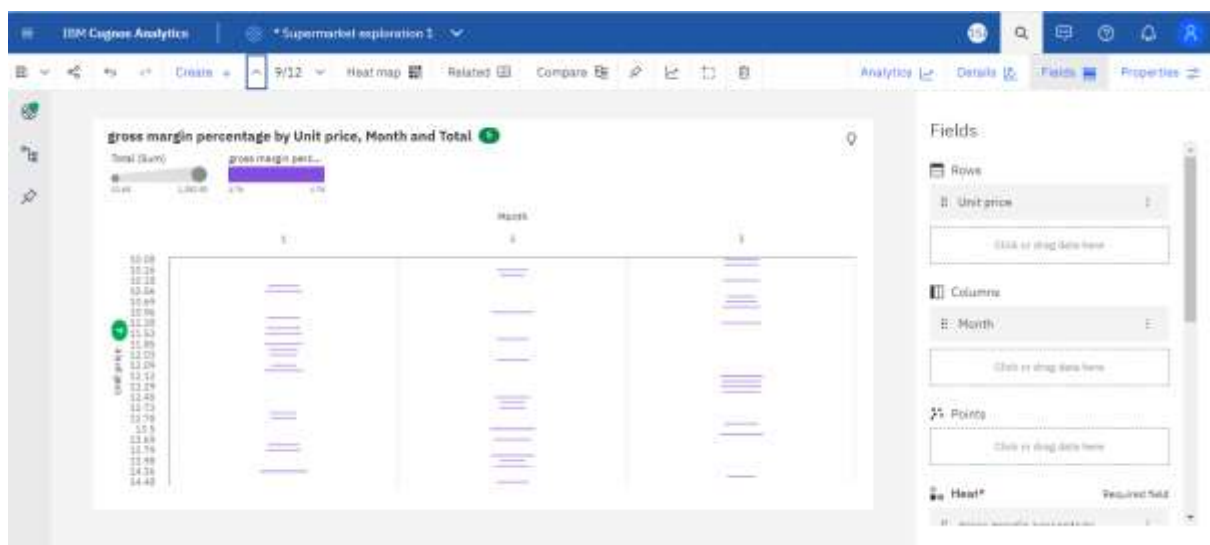
8) Map Chart

Total Sales of different product lines in different cities.
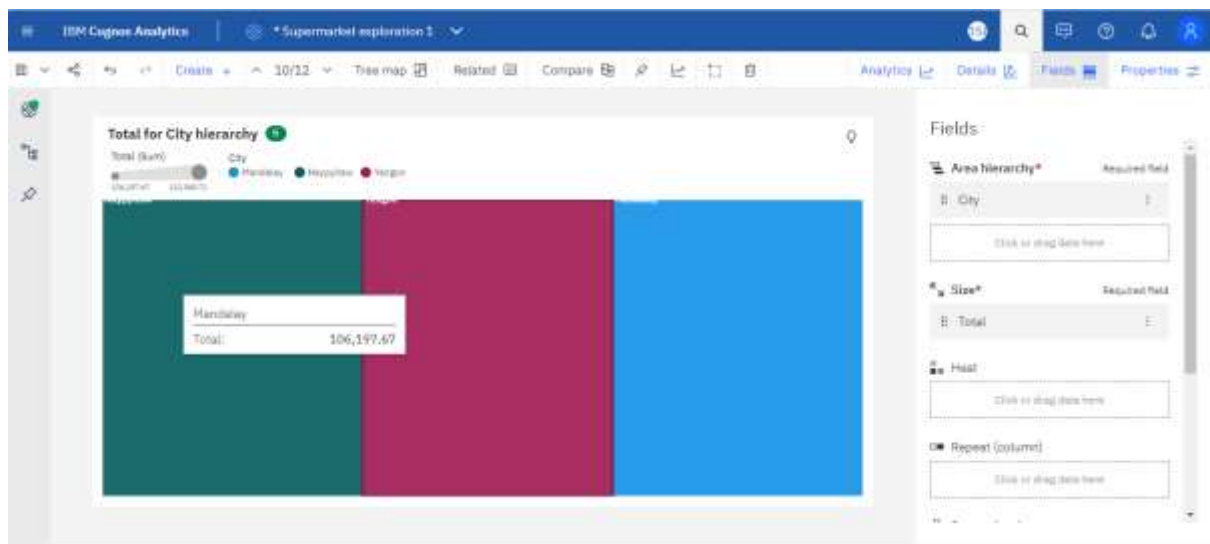
9) Radial Chart

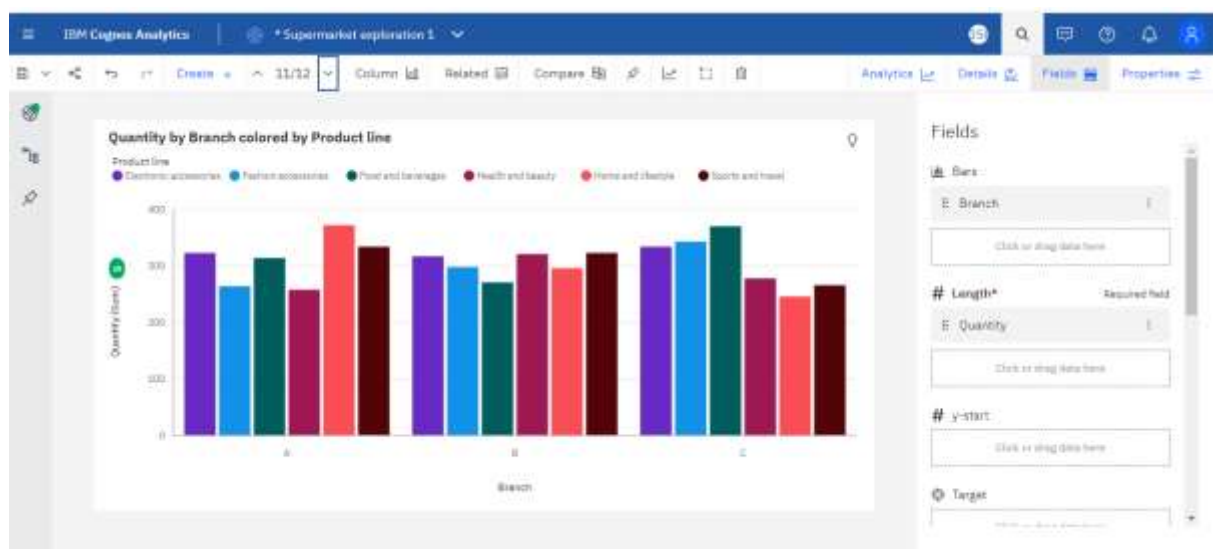**Gross Income for the days of the week for different product line is displayed.**

10)   Heat Map

Gross margin percentage by unit price,month and total sales is displayed.

11)   Tree Map

City wise Sales is displayed .

12) Column Chart

Quantity of Products brought in every branch of the market.