

Assignment-1

Name:-

R Sujith

Reg No:-

21BCE7696

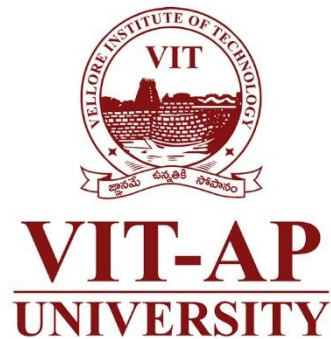
Course:-

Data Analytics collaboration with ibm

Cognos

Branch:-

VIT-AP(Amravati)



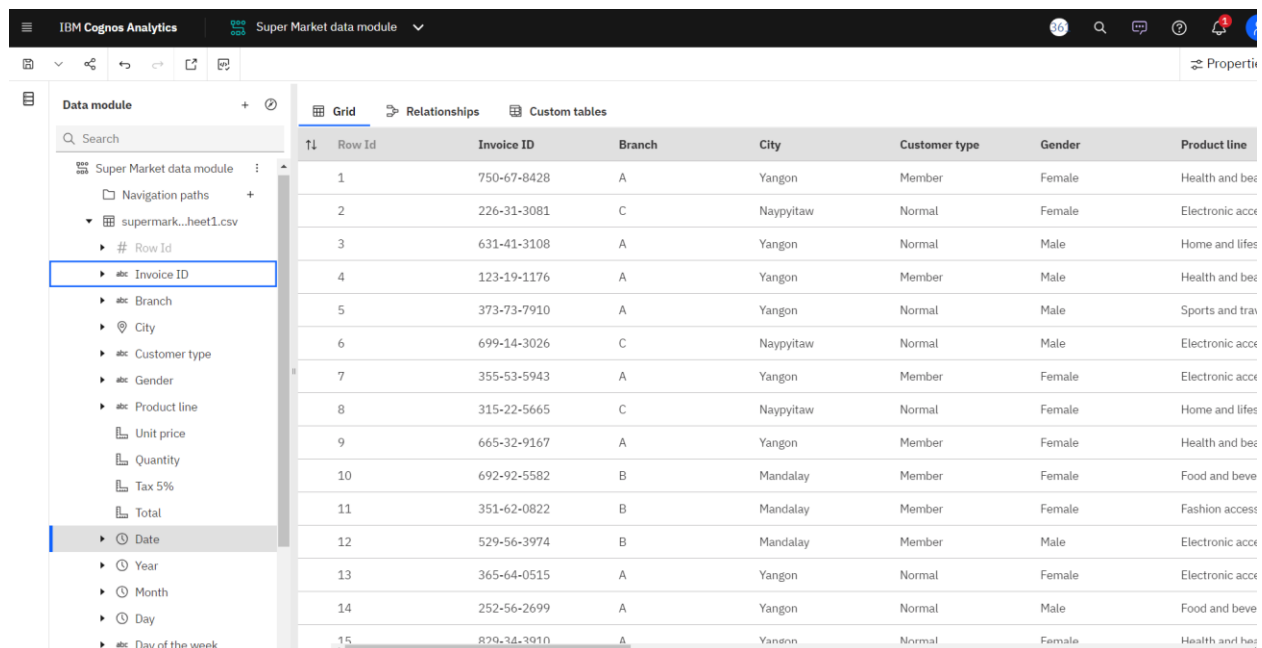
Challenge:-

Upload the dataset to Cognos Analytics, delete the unnecessary columns, create a data module, explore and visualize the dataset.

First we upload the supermarket excel sheet into IBM website.

And then we do some operations in data module adding or deleting the columns. Here the unnecessary columns are from my perspective is time. Because from time we don't get any information or any help from visualization. And then I have split the date into year, date, month and day of the week.

Supermarket data module:-



IBM Cognos Analytics Super Market data module

Data module

- Super Market data module
 - Navigation paths
 - supermark...heet1.csv
 - # Row Id
 - Invoice ID
 - Branch
 - City
 - Customer type
 - Gender
 - Product line
 - Unit price
 - Quantity
 - Tax 5%
 - Total
 - Date
 - Year
 - Month
 - Day
 - Day of the week

Row Id	Invoice ID	Branch	City	Customer type	Gender	Product line
1	750-67-8428	A	Yangon	Member	Female	Health and bee
2	226-31-3081	C	Naypyitaw	Normal	Female	Electronic acce
3	631-41-3108	A	Yangon	Normal	Male	Home and lifes
4	123-19-1176	A	Yangon	Member	Male	Health and bee
5	373-73-7910	A	Yangon	Normal	Male	Sports and trav
6	699-14-3026	C	Naypyitaw	Normal	Male	Electronic acce
7	355-53-5943	A	Yangon	Member	Female	Electronic acce
8	315-22-5665	C	Naypyitaw	Normal	Female	Home and lifes
9	665-32-9167	A	Yangon	Member	Female	Health and bee
10	692-92-5582	B	Mandalay	Member	Female	Food and beve
11	351-62-0822	B	Mandalay	Member	Female	Fashion acces
12	529-56-3974	B	Mandalay	Member	Male	Electronic acce
13	365-64-0515	A	Yangon	Normal	Female	Electronic acce
14	252-56-2699	A	Yangon	Normal	Male	Food and beve
15	879-74-3910	A	Yangon	Normal	Female	Health and bee

Data module

Q Search

Branch

City

Customer type

Gender

Product line

Unit price

Quantity

Tax 5%

Total

Date

Year

Month

Day

Day of the week

Payment

cogs

gross margin percentage

gross income

Grid

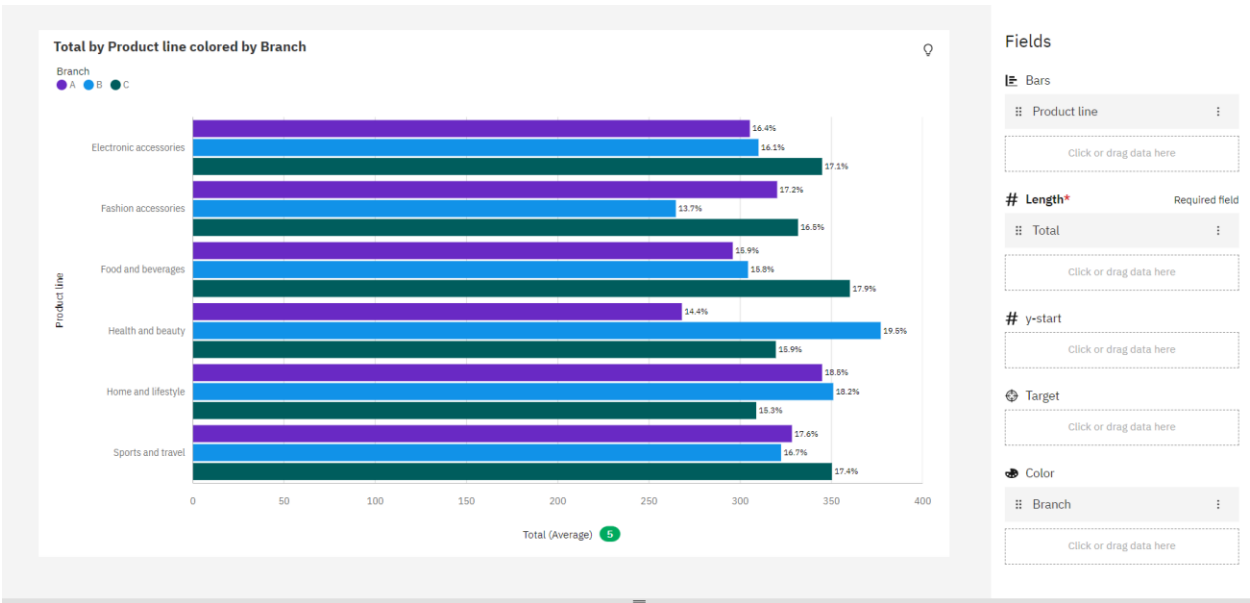
Relationships

Custom tables

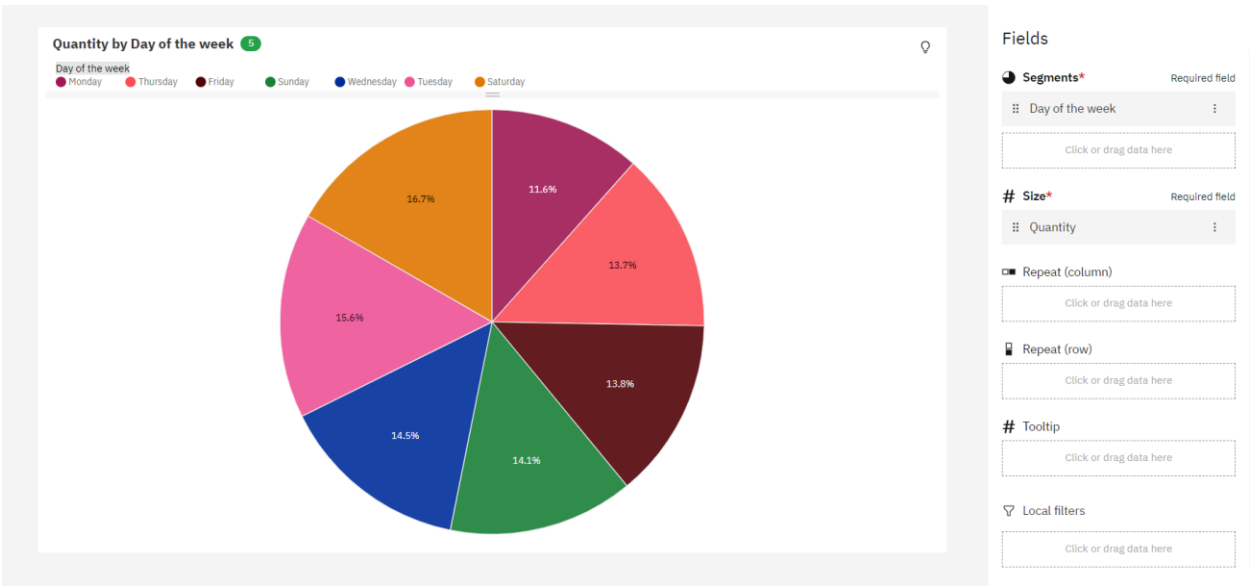
11	Date	Year	Month	Day	Day of the week	Payment	cogs
	2019-01-05	2019	1	5	Saturday	Ewallet	522.83
	2019-03-08	2019	3	8	Friday	Cash	76.4
	2019-03-03	2019	3	3	Sunday	Credit card	324.31
	2019-01-27	2019	1	27	Sunday	Ewallet	465.76
	2019-02-08	2019	2	8	Friday	Ewallet	604.17
	2019-03-25	2019	3	25	Monday	Ewallet	597.73
	2019-02-25	2019	2	25	Monday	Ewallet	413.04
	2019-02-24	2019	2	24	Sunday	Ewallet	735.6
	2019-01-10	2019	1	10	Thursday	Credit card	72.52
	2019-02-20	2019	2	20	Wednesday	Credit card	164.52
	2019-02-06	2019	2	6	Wednesday	Ewallet	57.92
	2019-03-09	2019	3	9	Saturday	Cash	102.04
	2019-02-12	2019	2	12	Tuesday	Ewallet	234.75
	2019-02-07	2019	2	7	Thursday	Ewallet	431.9
	2019-03-29	2019	3	29	Friday	Cash	713.8

Explore and Visualization: -

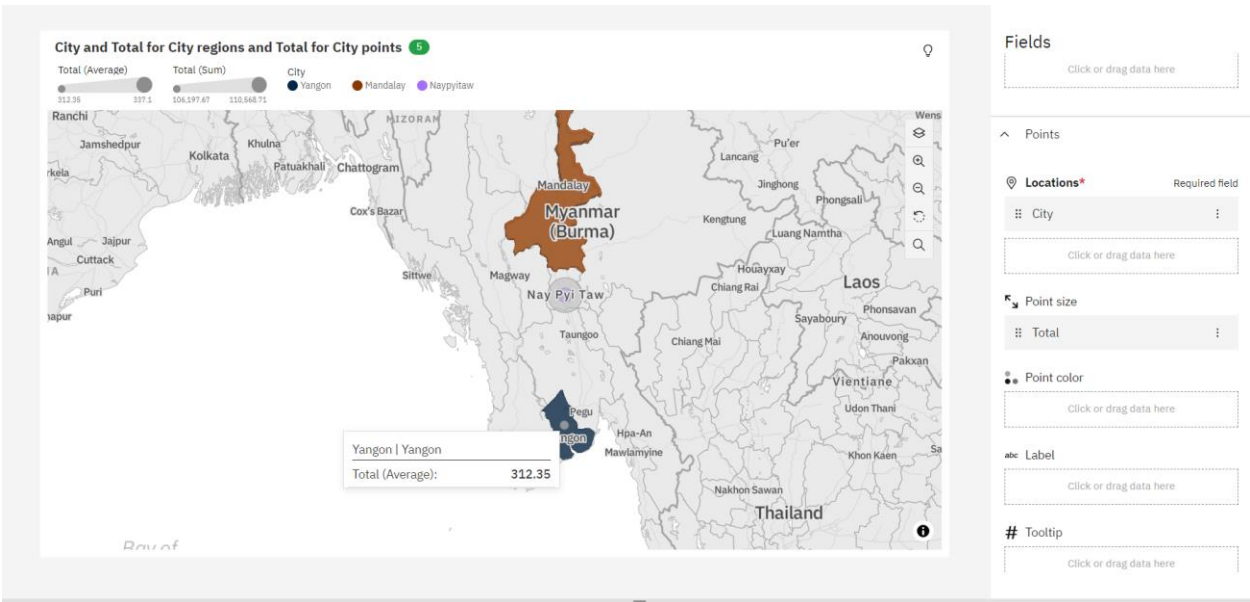
Bar Chart:-



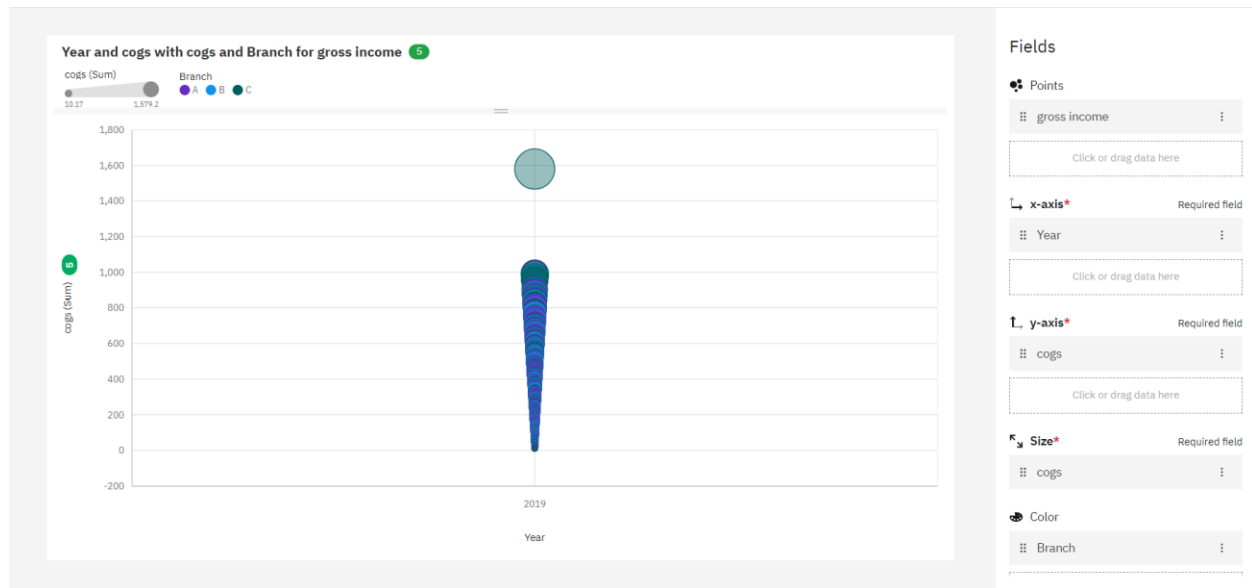
Pie Chart:-



Map Chart:-



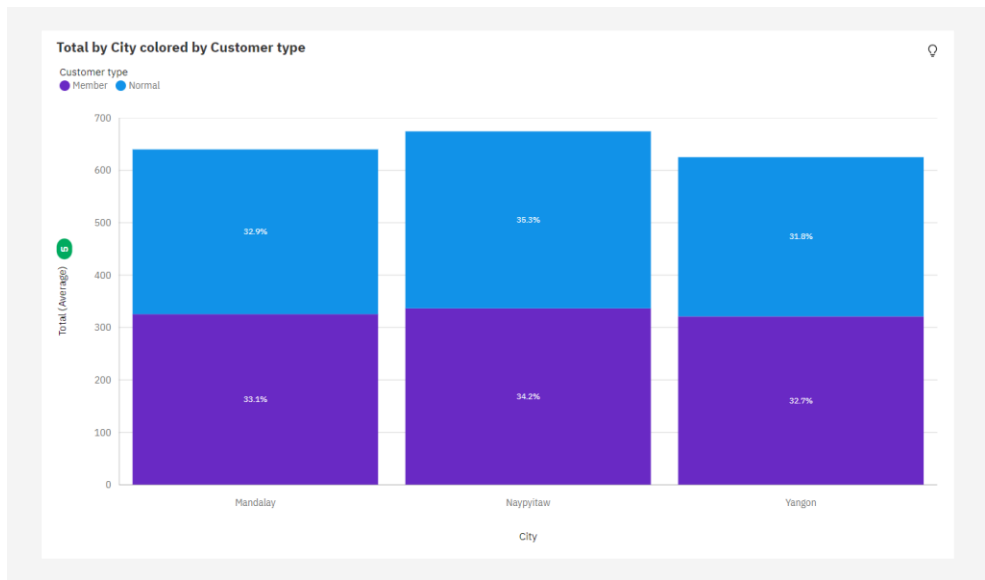
Bubble Chart:-



Area Chart:-



Stacked Column Chart:-



Fields

Bars

City

Click or drag data here

Length* Required field

Total

Click or drag data here

Color

Customer type

Click or drag data here

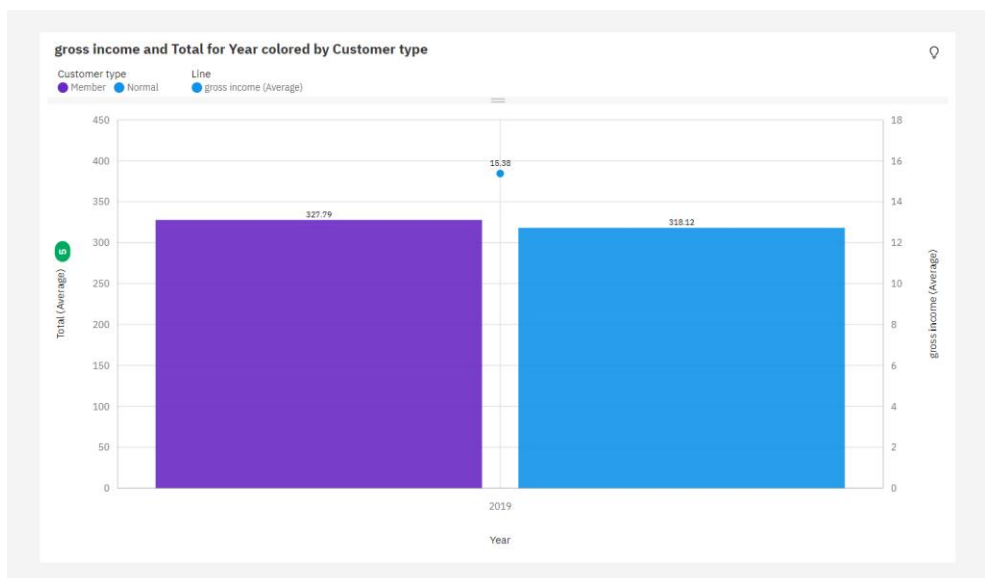
Repeat (column)

Click or drag data here

Repeat (row)

Click or drag data here

Line and Column Chart:-



Fields

x-axis

Year

Click or drag data here

Column length* Required field

Total

Click or drag data here

Column color

Customer type

Click or drag data here

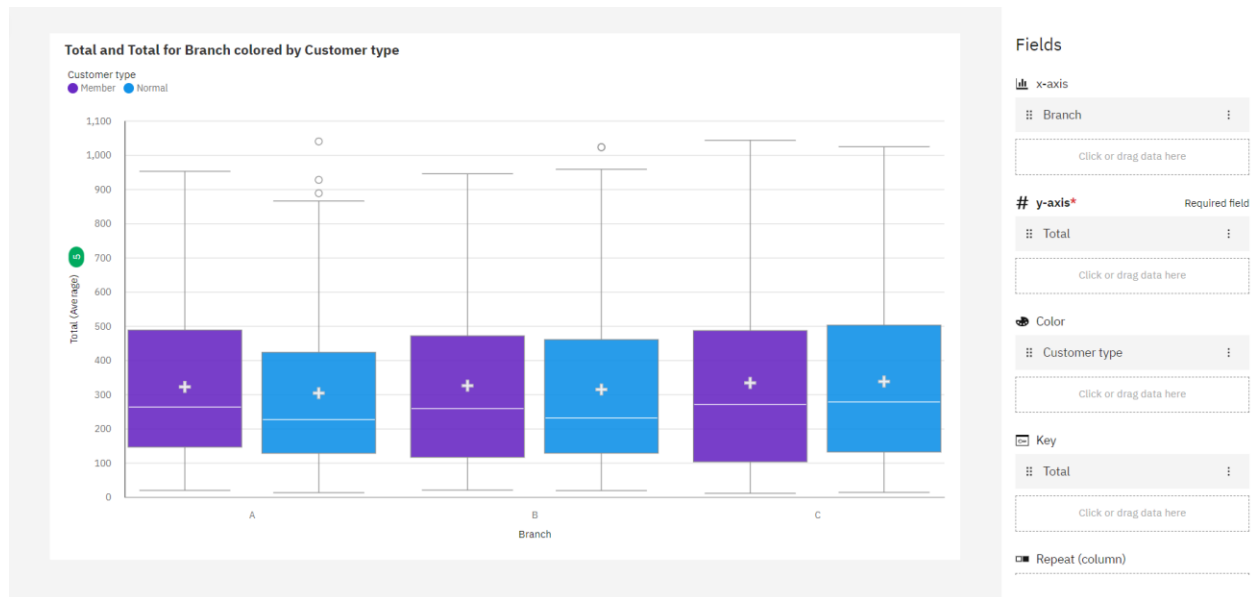
Line position* Required field

gross income

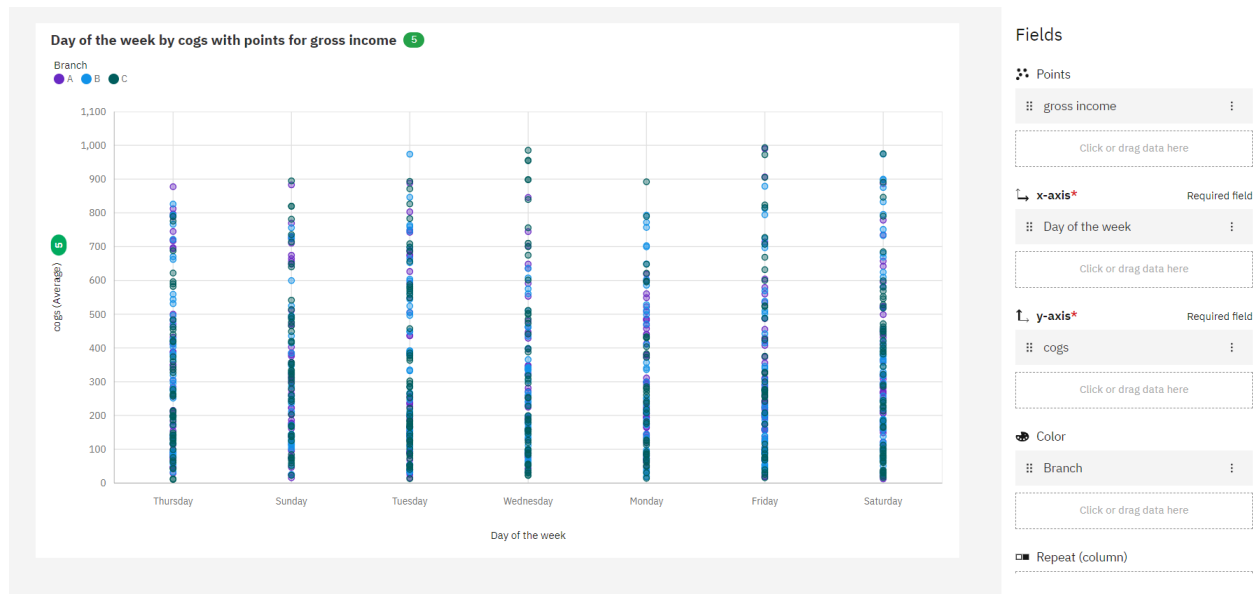
Click or drag data here

Line color

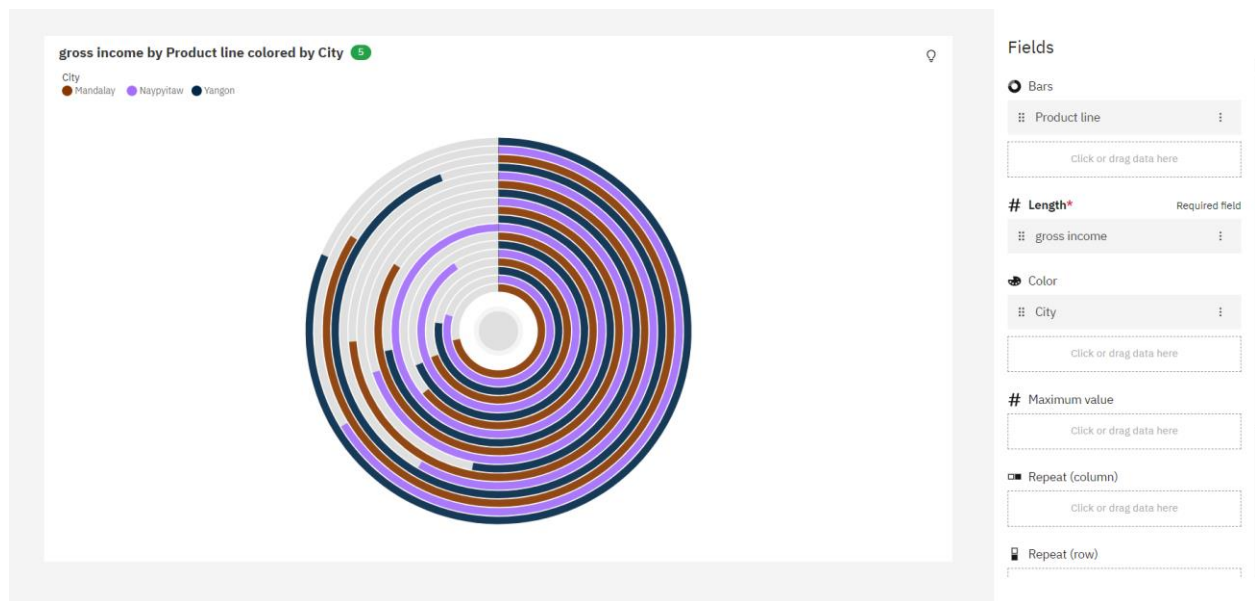
Box Plot:-



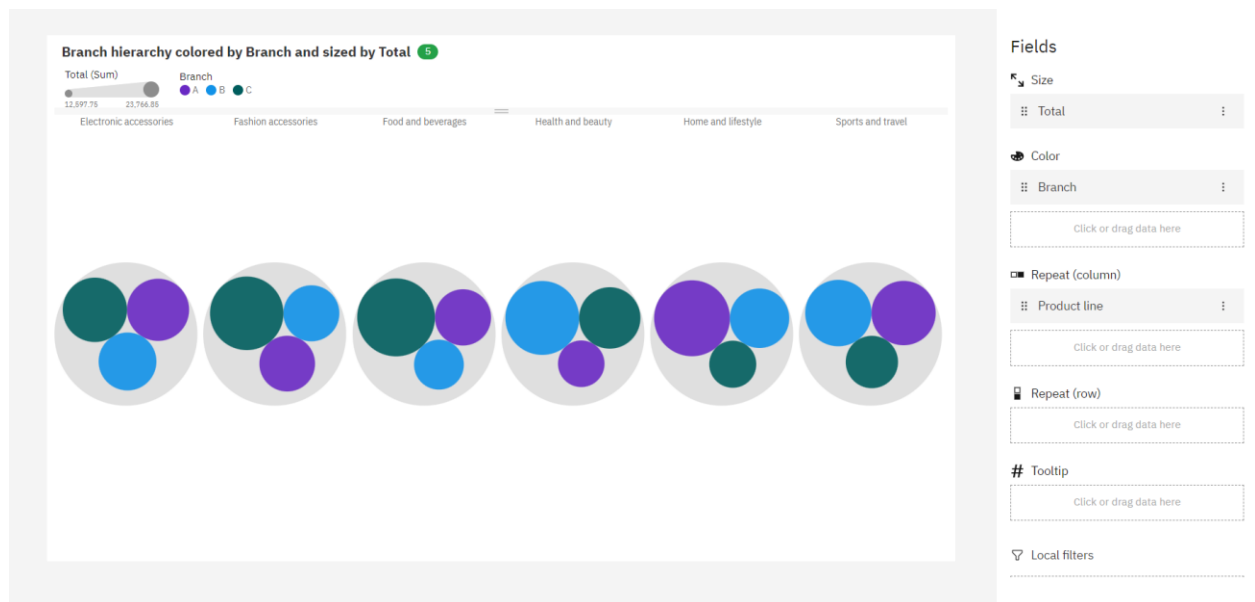
Scatter Plot:-



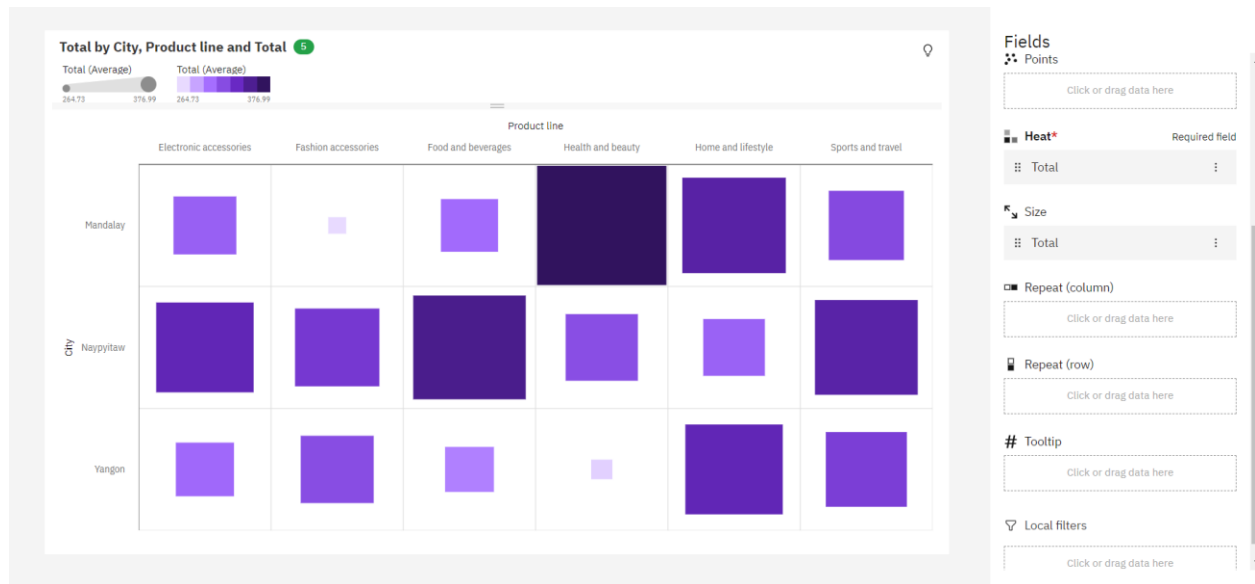
Radial Chart:-



Hierarchy Bubble Chart:-



Heat Map Chart:-



Tree Map Chart:-

