

# Smart Interz Data Analyst with IBM Cognos

## Assignment 1

**Name: - Anannay Gupta, College Branch: - VIT Chennai**

**College Registration Number: - 21BRS1288**

**Question: -** Upload the given dataset to Cognos Analytics, delete the unnecessary columns, create a data module, explore and visualize the dataset.

### Data Module Changes and Screenshot: -

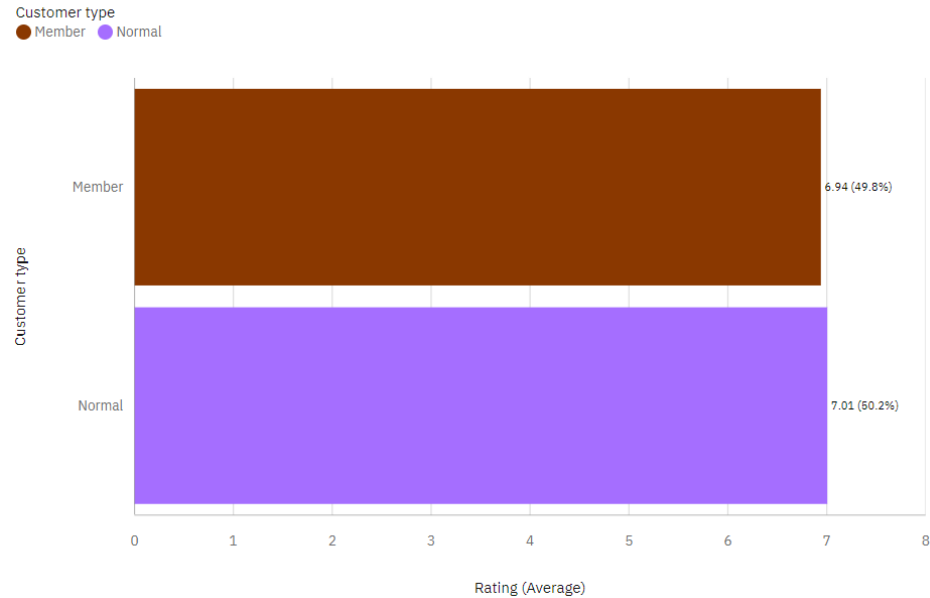
- I divided the data modules Date column into Year, Month, Day and Day of the week and then I changed the name of Total column to Total (Revenue).
- I also formatted all the numerical data into two decimal places at most.

11	Unit price	Quantity	Tax 5%	Total(Revenue)	Date	Year	Month	Day	Day of the week	Time
	74.69	7	26.14	548.97	2019-01-05	2019	1	5	Saturday	13:08:00
	15.28	5	3.82	80.22	2019-03-08	2019	3	8	Friday	10:29:00
	46.33	7	16.22	340.53	2019-03-03	2019	3	3	Sunday	13:23:00
	58.22	8	23.29	489.05	2019-01-27	2019	1	27	Sunday	20:33:00
	86.31	7	30.21	634.38	2019-02-08	2019	2	8	Friday	10:37:00
	85.39	7	29.89	627.62	2019-03-25	2019	3	25	Monday	18:30:00
	68.84	6	20.65	433.69	2019-02-25	2019	2	25	Monday	14:36:00
	73.56	10	36.78	772.38	2019-02-24	2019	2	24	Sunday	11:38:00
	36.26	2	3.63	76.15	2019-01-10	2019	1	10	Thursday	17:15:00
	54.84	3	8.23	172.75	2019-02-20	2019	2	20	Wednesday	13:27:00
	14.48	4	2.90	60.82	2019-02-06	2019	2	6	Wednesday	18:07:00
	25.51	4	5.10	107.14	2019-03-09	2019	3	9	Saturday	17:03:00
	46.95	5	11.74	246.49	2019-02-12	2019	2	12	Tuesday	10:25:00
	43.19	10	21.60	453.50	2019-02-07	2019	2	7	Thursday	16:48:00
	71.38	10	35.69	749.49	2019-03-29	2019	3	29	Friday	19:21:00
	93.72	6	28.12	590.44	2019-01-15	2019	1	15	Tuesday	16:19:00
	68.93	7	24.13	506.64	2019-03-11	2019	3	11	Monday	11:03:00
	72.61	6	21.78	457.44	2019-01-01	2019	1	1	Tuesday	10:39:00

## Visualization of Data and Screenshots of it: -

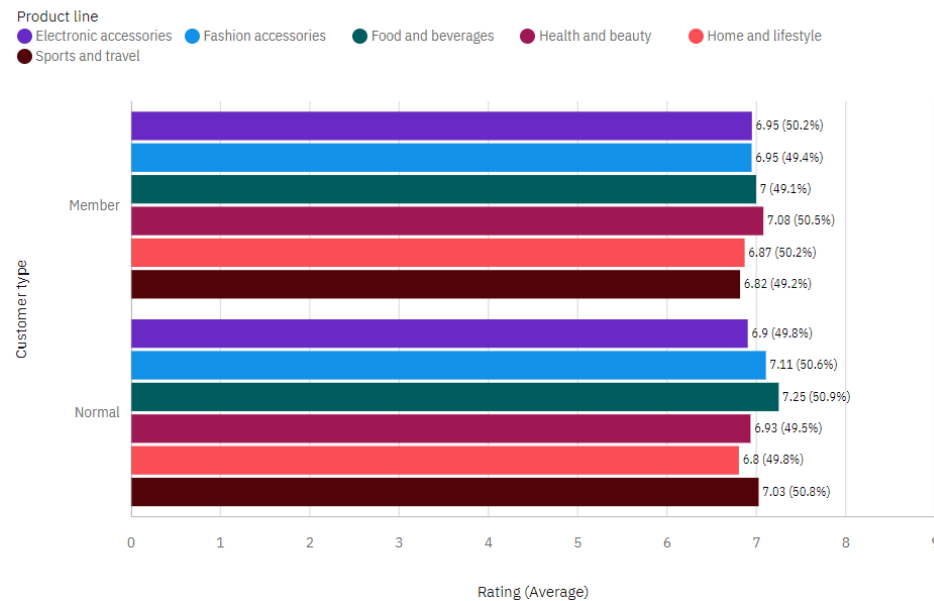
### (i) Average Rating Provided by Customer Type:

Rating by Customer type colored by Customer type

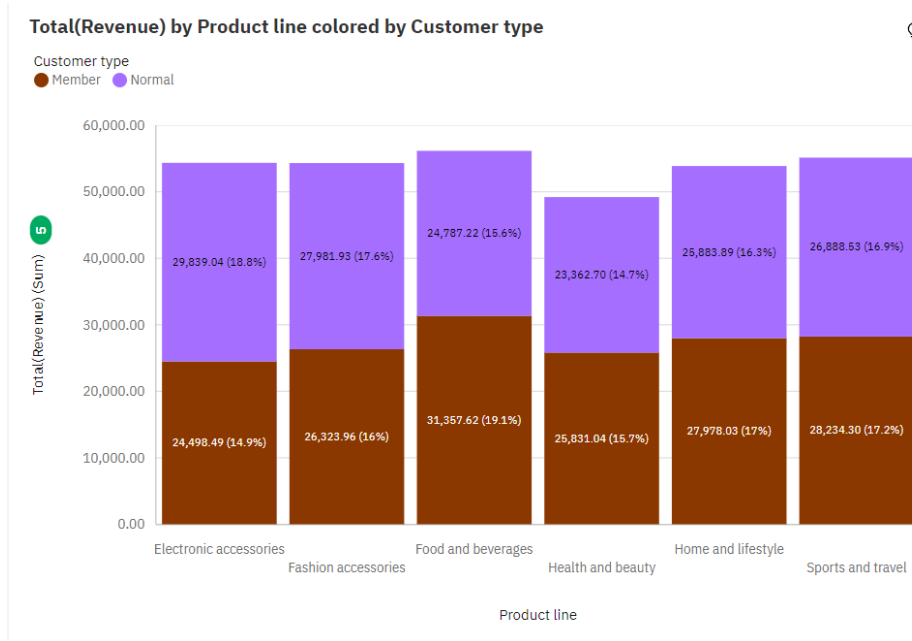


### (ii) Average Rating Provided by Customer Types on the basis of Product Types:

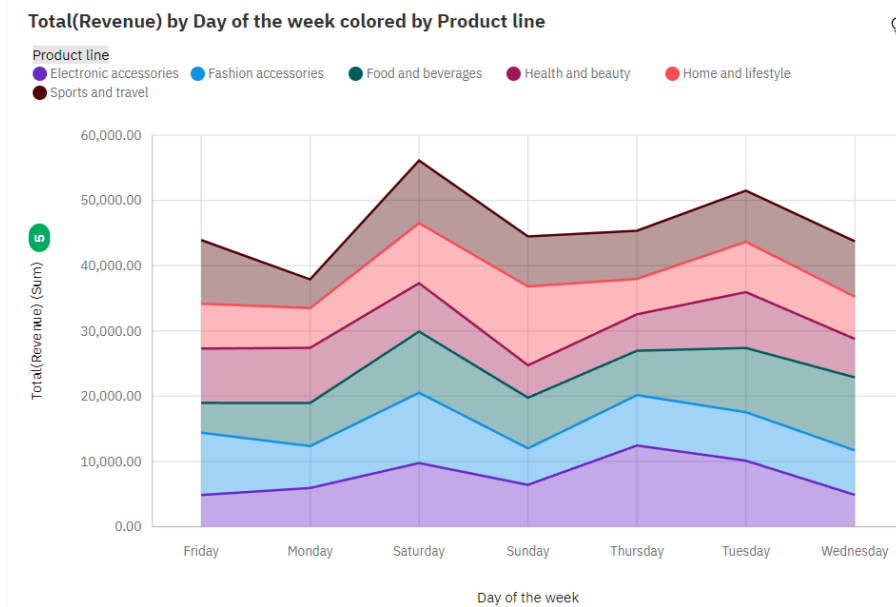
Rating by Customer type colored by Product line



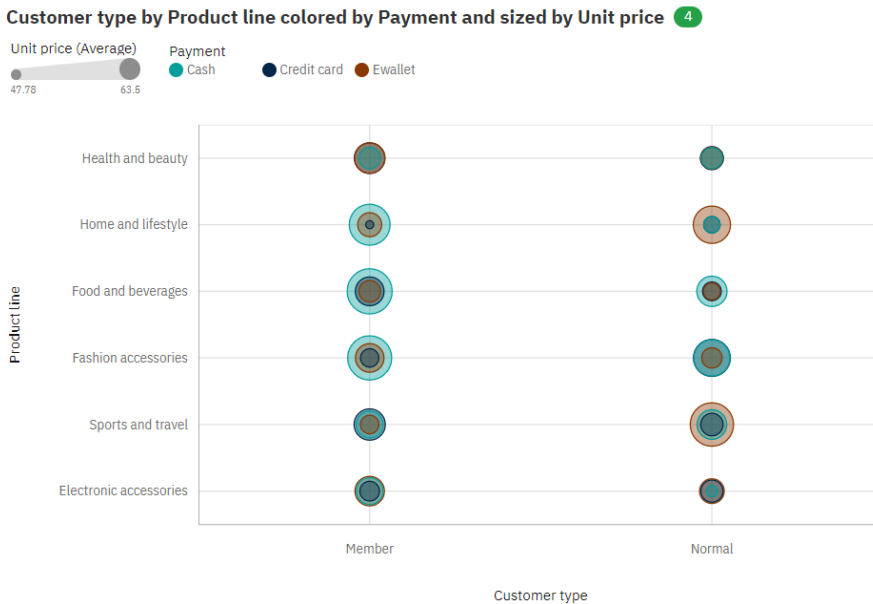
### (iii) Total Revenue earned from all the Product Lines by different Customer Types: -



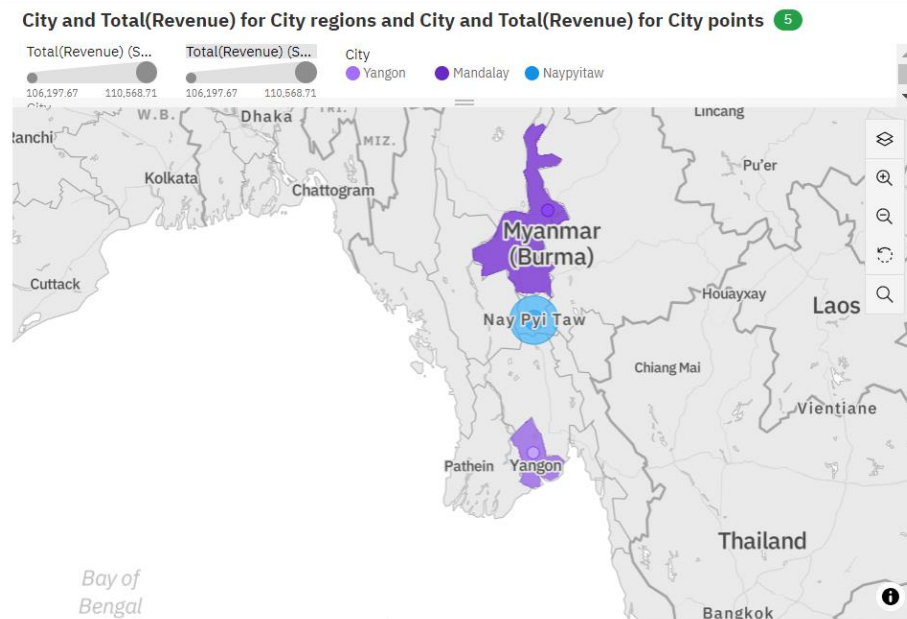
### (iv) Total Revenue earned from different product lines every day: -



**(v) How different Customer Types pay from different methods and sized by price of one unit of Goods: -**



**(vi) Total Revenue According to City: -**



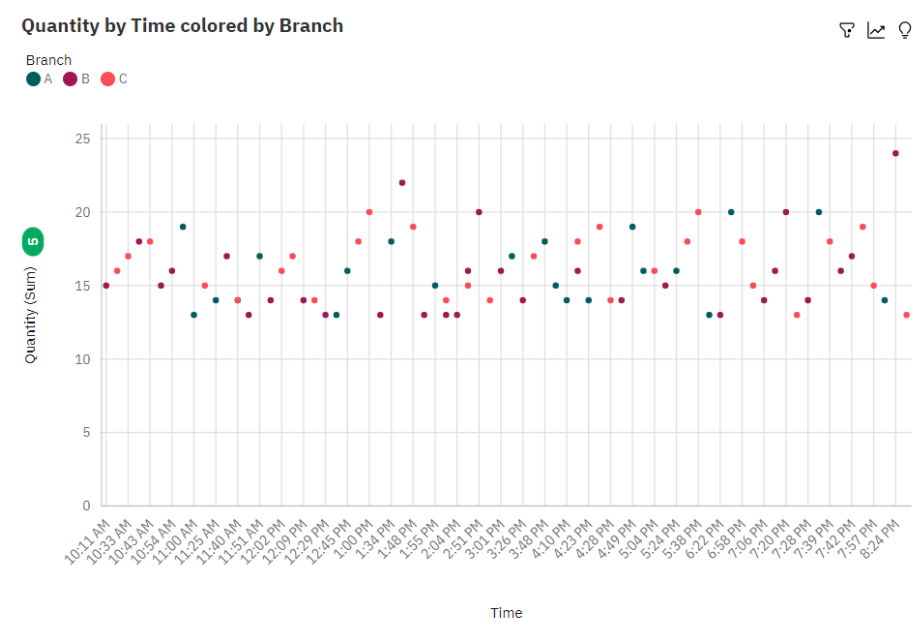
**(vii)Total Revenue and Gross Income for different Branches and Product lines according to average of their COGS: -**



**(viii) Total number of people from different genders who visited Different Branches on different Days of Week: -**



(ix) Quantity of goods sold at a specific time in different Branches: -



(x) The Details of Customers from whom the Company has earned the Most Revenue: -

Customer type, Gender, Invoice ID, Rating and Payment				
Invoice ID	Payment	Gender	Customer type	Rating
866-99-7614	Credit card	Male	Normal	4.4
Summary				N/A
860-79-0874	Credit card	Female	Member	6.6
Summary				N/A
827-77-7633	Cash	Male	Normal	9.3
Summary				N/A
817-69-8206	Credit card	Female	Normal	6.5
Summary				N/A
766-85-7061	Ewallet	Male	Normal	5.1
Summary				N/A
751-69-0068	Ewallet	Male	Normal	9
Summary				N/A
751-41-9720	Ewallet	Male	Normal	8
Summary				N/A

Fields

Columns\*

Required field

Invoice ID

Payment

Gender

Customer type

Rating

Click or drag data here

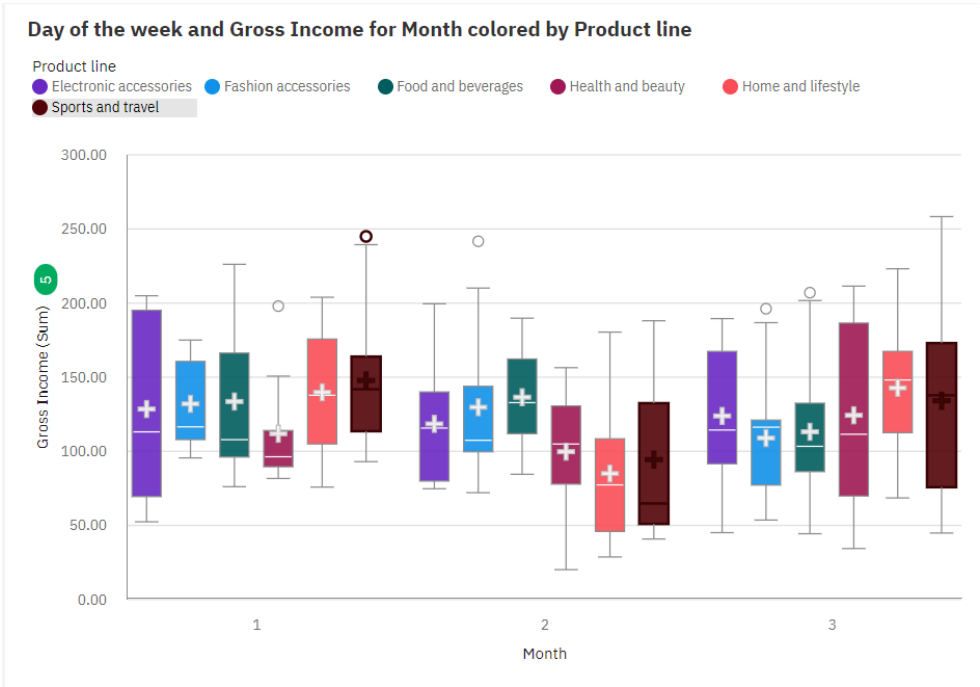
Local filters

Total(Revenue)

Between 904.68 and 1,042.65

Click or drag data here

**(xi) The Gross Income earned on a Day in the Week in a Month separated by Product Lines: -**



**(xii) Total Revenue and the COGS of a Product Line colored by Quantity sold: -**

