

## Assignment 3

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## Uploading Data Set to MYSQL:

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

sakila

superstore

Tables

supermarket

Columns

Indexes

Foreign Keys

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Functions

sys

world

Query 1 x

```

1 use superstore;
2 select * from supermarket;
3

```

Limit to 1000 rows

Result Grid

Export: Wrap Cell Contents: Fetch rows:

Invoice ID	Branch	City	Customer type	Gender	Product line	Unit price	Quantity	Tax 5%	Total	Date	Time	Payment	cogs	gross mar percenta
750-67-8428	A	Yangon	Member	Female	Health and beauty	74.69	7	26.1415	546.9715	1/5/2019	13:08	Ewallet	522.83	4.761904
226-31-3081	C	Naypyitaw	Normal	Female	Electronic accessories	15.28	5	3.82	80.22	3/8/2019	10:29	Cash	76.4	4.761904
631-41-3108	A	Yangon	Normal	Male	Home and lifestyle	46.33	7	16.2155	340.5255	3/3/2019	13:23	Credit card	324.31	4.761904
123-19-1176	A	Yangon	Member	Male	Health and beauty	58.22	8	23.288	489.048	1/27/2019	20:33	Ewallet	465.76	4.761904
373-73-7910	A	Yangon	Normal	Male	Sports and travel	86.31	7	30.2085	634.3785	2/8/2019	10:37	Ewallet	604.17	4.761904
699-14-3026	C	Naypyitaw	Normal	Male	Electronic accessories	85.39	7	29.8965	627.6165	3/25/2019	18:30	Ewallet	597.73	4.761904
355-93-5943	A	Yangon	Member	Female	Electronic accessories	68.84	6	20.652	433.692	2/25/2019	14:36	Ewallet	413.04	4.761904
315-22-5665	C	Naypyitaw	Normal	Female	Home and lifestyle	73.56	10	36.79	772.38	2/24/2019	11:38	Ewallet	735.6	4.761904
645-92-9167	A	Yangon	Member	Female	Health and beauty	36.25	2	3.626	76.146	1/10/2019	17:15	Credit card	72.52	4.761904
692-92-5582	B	Mandalay	Member	Female	Food and beverages	54.84	3	8.226	172.746	2/20/2019	13:27	Credit card	164.52	4.761904
351-62-0822	B	Mandalay	Member	Female	Fashion accessories	14.48	4	2.896	60.816	2/6/2019	18:07	Ewallet	57.92	4.761904
529-56-3974	B	Mandalay	Member	Male	Electronic accessories	25.51	4	5.102	107.142	3/9/2019	17:03	Cash	102.04	4.761904
365-64-0515	A	Yangon	Normal	Female	Electronic accessories	46.95	5	11.7375	246.4875	2/12/2019	10:25	Ewallet	234.75	4.761904

Administration Schemas

## Selecting Specific columns from the Dataset using MYSQL:

[illegible]

## Creating a new column named Revenue in MYSQL:

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

sakila

superstore

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supermarket

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sys

world

Query 1 x

```
1 use superstore;  
2 •  
3 select 'Invoice ID','Product line' from supermarket;  
4 alter table supermarket add revenue int;  
5 select * from supermarket;
```

Result Grid

	Invoice ID	Branch	City	Customer type	Gender	Product line
▶	750-67-8428	A	Yangon	Member	Female	Health and beauty
	226-31-3081	C	Naypyitaw	Normal	Female	Electronic accessories
	631-41-3108	A	Yangon	Normal	Male	Home and lifestyle
	123-19-1176	A	Yangon	Member	Male	Health and beauty
	373-73-7910	A	Yangon	Normal	Male	Sports and travel
	699-14-3026	C	Naypyitaw	Normal	Male	Electronic accessories
	355-53-5943	A	Yangon	Member	Female	Electronic accessories
	315-22-5665	C	Naypyitaw	Normal	Female	Home and lifestyle
	665-32-9167	A	Yangon	Member	Female	Health and beauty
	692-92-5582	B	Mandalay	Member	Female	Food and beverages
	351-62-0822	B	Mandalay	Member	Female	Fashion accessories
	529-56-3974	B	Mandalay	Member	Male	Electronic accessories
	365-64-0515	A	Yangon	Normal	Female	Electronic accessories

## Assigning the values to the new column Profit:

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

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world

Query 1 x

```
2 select * from supermarket;  
3 select 'Invoice ID','Product line' from supermarket;  
4 alter table supermarket add profit double;  
5  
6 update supermarket set profit =(Rating-cogs);  
7 select * from supermarket;
```

Result Grid

Invoice ID	Branch	City	Customer type	Gender	Product line	Unit price	Quantity	Tax 5%	Total	Date	Time	Payment	cogs	gross margin percentage
▶ 750-67-8428	A	Yangon	Member	Female	Health and beauty	74.69	7	26.1415	548.9715	1/5/2019	13:08	Ewallet	522.83	4.761904
226-31-3081	C	Naypyitaw	Normal	Female	Electronic accessories	15.28	5	3.82	80.22	3/8/2019	10:29	Cash	76.4	4.761904
631-41-3108	A	Yangon	Normal	Male	Home and lifestyle	46.33	7	16.2155	340.5255	3/3/2019	13:23	Credit card	324.31	4.761904
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699-14-3026	C	Naypyitaw	Normal	Male	Electronic accessories	85.39	7	29.8865	627.6165	3/25/2019	18:30	Ewallet	597.73	4.761904
355-53-5943	A	Yangon	Member	Female	Electronic accessories	68.84	6	20.652	433.692	2/25/2019	14:36	Ewallet	413.04	4.761904
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665-32-9167	A	Yangon	Member	Female	Health and beauty	36.26	2	3.626	76.146	1/10/2019	17:15	Credit card	72.52	4.761904
692-92-5582	B	Mandalay	Member	Female	Food and beverages	54.84	3	8.226	172.746	2/20/2019	13:27	Credit card	164.52	4.761904
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529-56-3974	B	Mandalay	Member	Male	Electronic accessories	25.51	4	5.102	107.142	3/9/2019	17:03	Cash	102.04	4.761904
365-64-0515	A	Yangon	Normal	Female	Electronic accessories	46.95	5	11.7375	246.4875	2/12/2019	10:25	Ewallet	234.75	4.761904

## Deleting the column Revenue:

The screenshot shows the MySQL Workbench interface. The 'Query 1' tab is active, displaying the following SQL script:

```
1 use superstore;
2 select * from supermarket;
3 select 'Invoice ID','Product line' from supermarket;
4
5 alter table supermarket drop column revenue;
6 select * from supermarket;
```

The 'Result Grid' shows the output of the queries. The first query returns all columns from the 'supermarket' table. The second query returns the 'Invoice ID' and 'Product line' columns. The third query returns the 'Invoice ID' and 'Product line' columns. The fourth query returns the 'Invoice ID' and 'Product line' columns. The fifth query returns the 'Invoice ID' and 'Product line' columns. The sixth query returns the 'Invoice ID' and 'Product line' columns.

Invoice ID	Branch	City	Customer type	Gender	Product line	Unit price	Quantity	Tax 5%	Total	Date	Time	Payment	cogs	gross margin percentage
750-67-8428	A	Yangon	Member	Female	Health and beauty	74.69	7	26.1415	548.9715	1/5/2019	13:08	Ewallet	522.83	4.761904
226-31-3081	C	Naypyitaw	Normal	Female	Electronic accessories	15.28	5	3.82	80.22	3/8/2019	10:29	Cash	76.4	4.761904
631-41-3108	A	Yangon	Normal	Male	Home and lifestyle	46.33	7	16.2155	340.5255	3/3/2019	13:23	Credit card	324.31	4.761904
123-19-1176	A	Yangon	Member	Male	Health and beauty	58.22	8	23.288	489.048	1/27/2019	20:33	Ewallet	465.76	4.761904
373-79-7910	A	Yangon	Normal	Male	Sports and travel	86.31	7	30.2085	634.3785	2/8/2019	10:37	Ewallet	604.17	4.761904
699-14-3026	C	Naypyitaw	Normal	Male	Electronic accessories	85.39	7	29.8865	627.6165	3/25/2019	18:30	Ewallet	597.73	4.761904
355-53-5943	A	Yangon	Member	Female	Electronic accessories	68.84	6	20.652	433.692	2/25/2019	14:36	Ewallet	413.04	4.761904
315-22-5665	C	Naypyitaw	Normal	Female	Home and lifestyle	73.56	10	36.78	772.38	2/24/2019	11:38	Ewallet	735.6	4.761904
665-32-9167	A	Yangon	Member	Female	Health and beauty	36.26	2	3.626	76.146	1/10/2019	17:15	Credit card	72.52	4.761904
692-92-5582	B	Mandalay	Member	Female	Food and beverages	54.84	3	8.226	172.746	2/20/2019	13:27	Credit card	164.52	4.761904
351-62-0822	B	Mandalay	Member	Female	Fashion accessories	14.48	4	2.896	60.816	2/6/2019	18:07	Ewallet	57.92	4.761904
529-56-3974	B	Mandalay	Member	Male	Electronic accessories	25.51	4	5.102	107.142	3/9/2019	17:03	Cash	102.04	4.761904
365-64-0515	A	Yangon	Normal	Female	Electronic accessories	46.95	5	11.7375	246.4875	2/12/2019	10:25	Ewallet	234.75	4.761904

## Connecting MySQL Server to Tableau:

The screenshot shows the Tableau Desktop interface. The 'Connect' pane is open, displaying a list of data sources. Under the 'To a Server' section, 'MySQL' is selected. A 'MySQL' dialog box is open, showing the 'General' tab with the following configuration:

- Server: localhost
- Port: 3306
- Database: supermarket
- Username: root
- Password: (masked)
- Require SSL: ☐

The 'Sign In' button is visible at the bottom right of the dialog box.

Tableau - Book1

FileDataServerWindowHelp

ConnectionsAdd

localhostMySQL

Database

supermarket

Table

sample

New Custom SQL

New Union

New Table Extension

sample (supermarket)

ConnectionLiveExtractFilters0Add

sample

Need more data?

Drag tables here to relate them. [Learn more](#)

sample

rows

Abc sampleInvoice ID

Abc sampleBranch

Abc sampleCity

Abc sampleCustomer type

Abc sampleGender

Abc sampleProduct line

Abc sampleUnit price

Abc sampleQuantity

Abc sampleTax 5%

Abc sampleTotal

Abc sampleDate

Abc sampleTime

Abc sampleCog

Update Now

Update Automatically

Go to Worksheet

Type	Field Name	Physical Table	Remote Field...
Abc	Invoice ID	sample	Invoice ID
Abc	Branch	sample	Branch
Abc	City	sample	City
Abc	Customer type	sample	Customer type
Abc	Gender	sample	Gender
Abc	Product line	sample	Product line

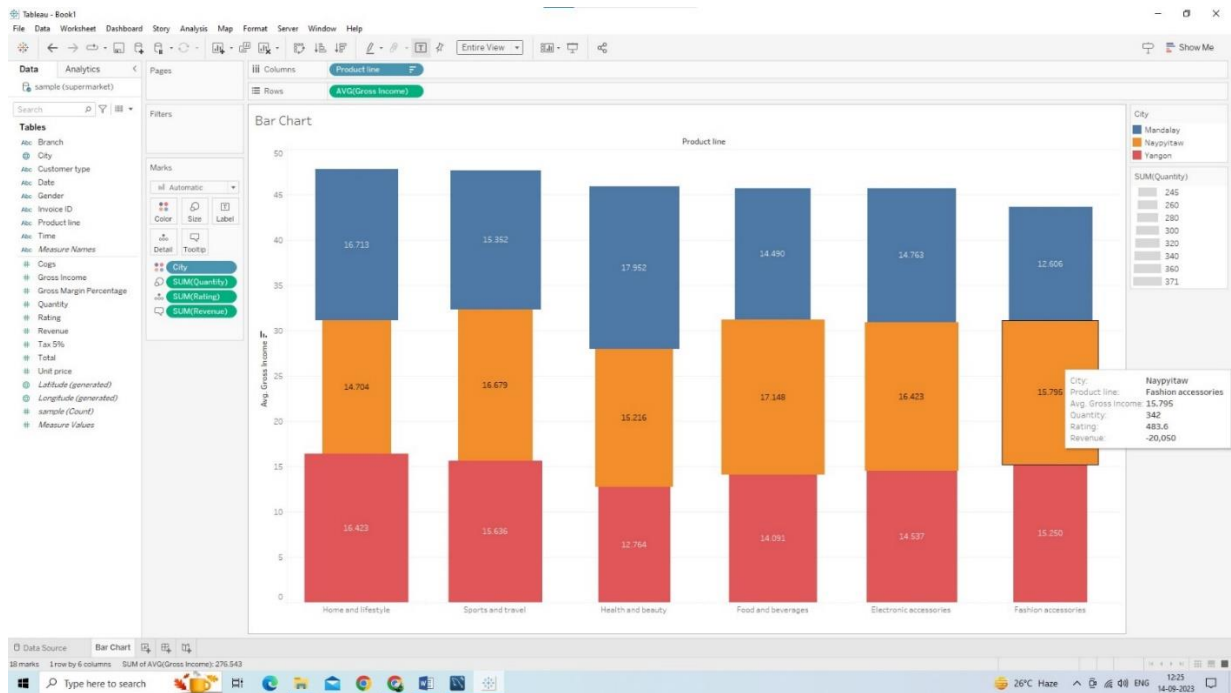
Data SourceSheet 1

Type here to search

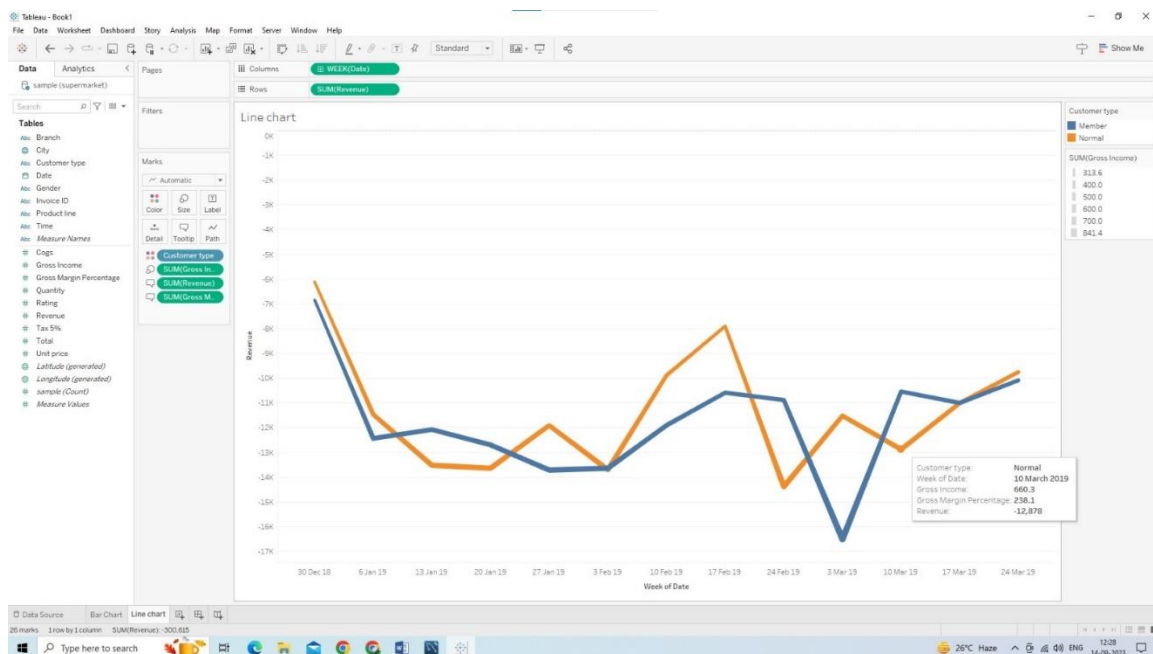
26°C Haze12:1314-09-2023

# Creating Visualisations in Tableau:

## 1) Bar Graph

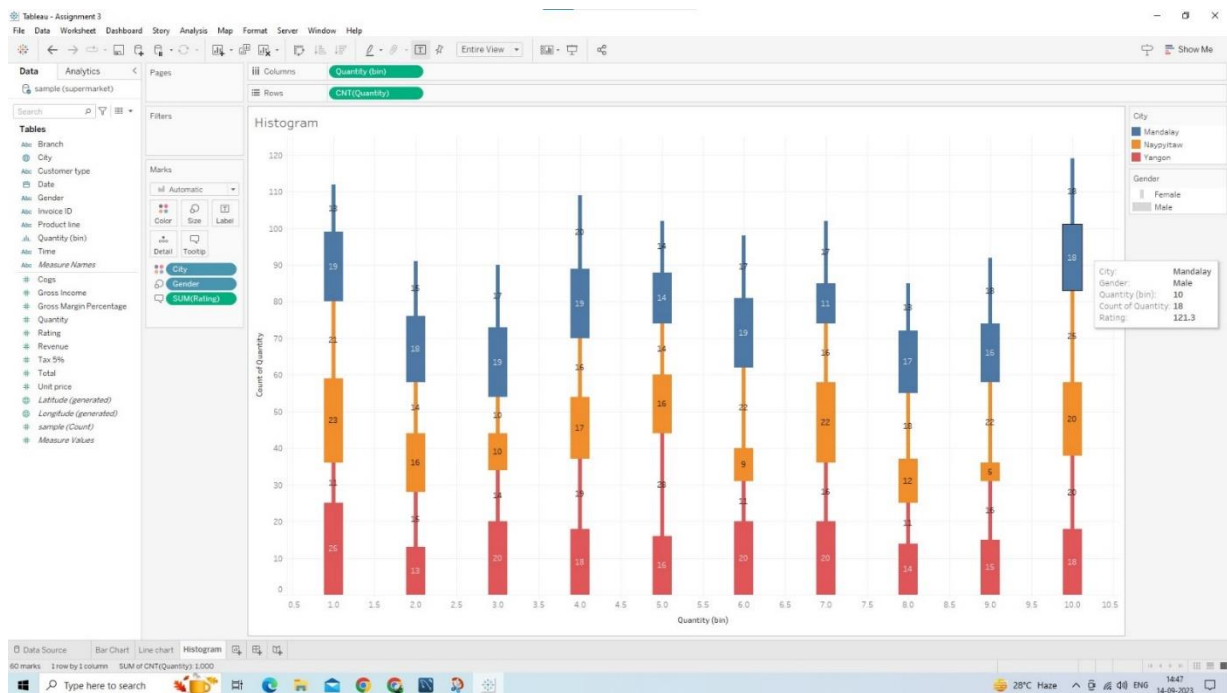


## 2) Line Chart

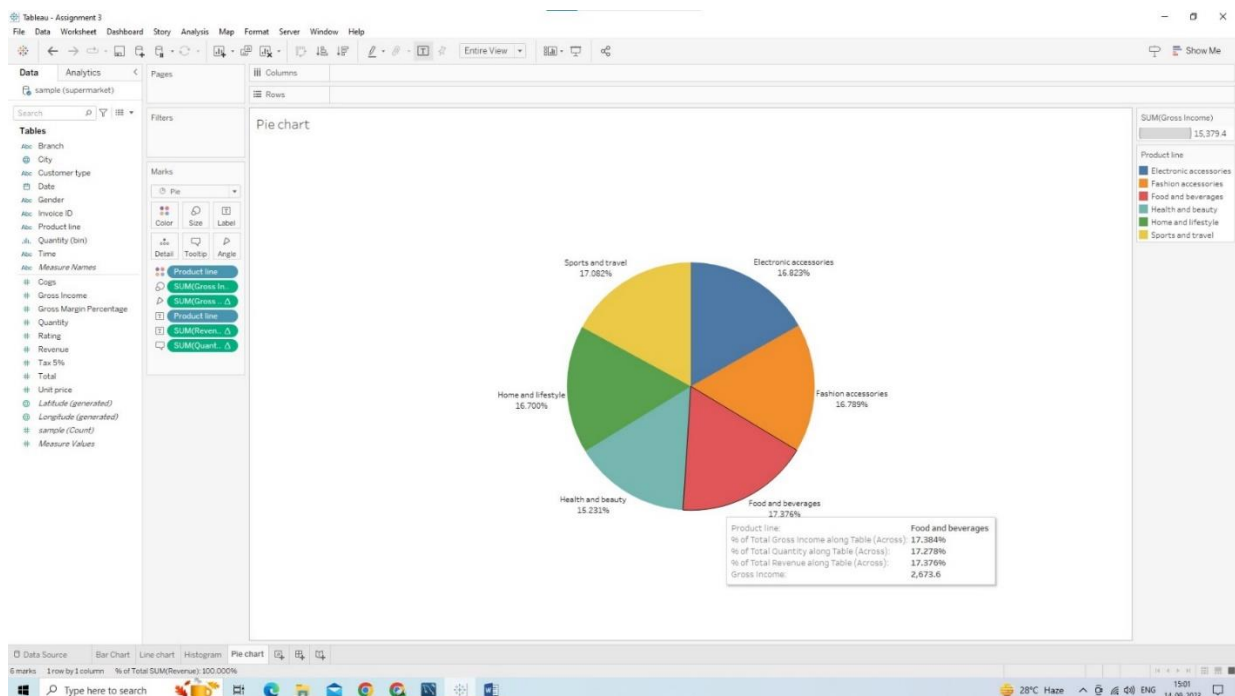




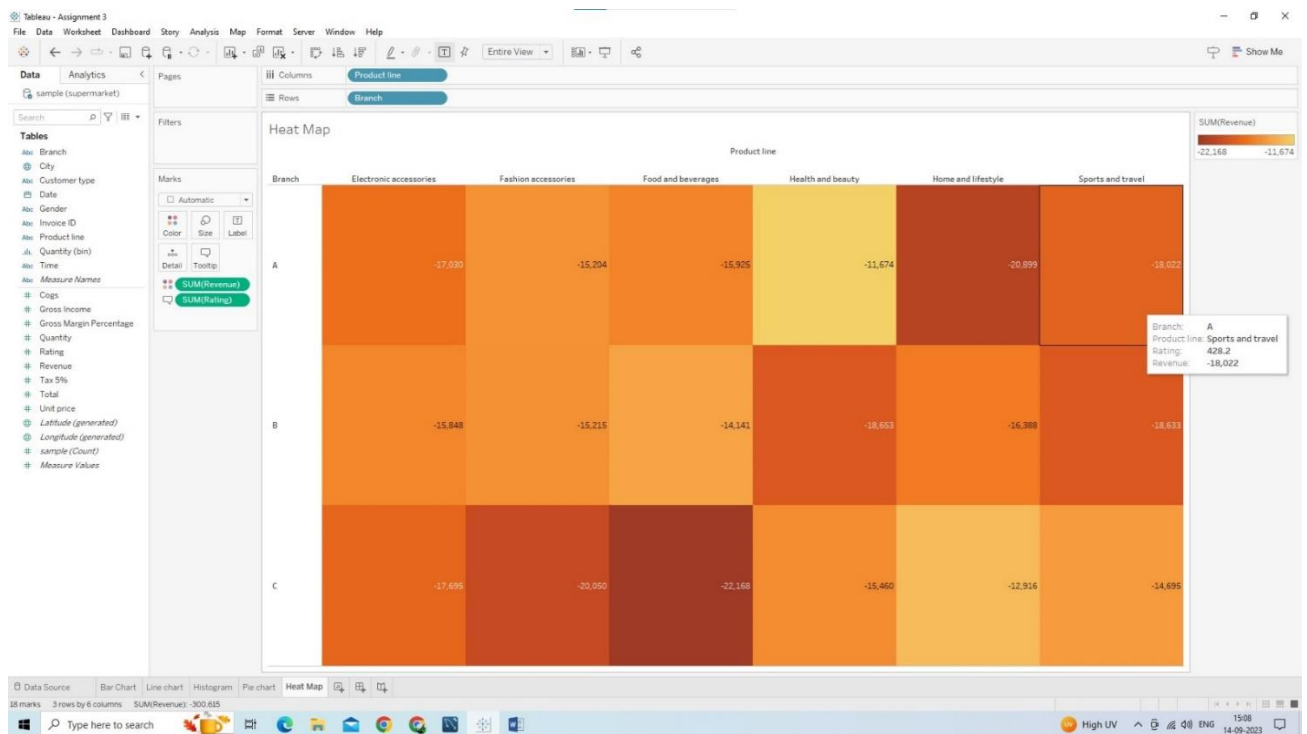
### 3)Histogram:



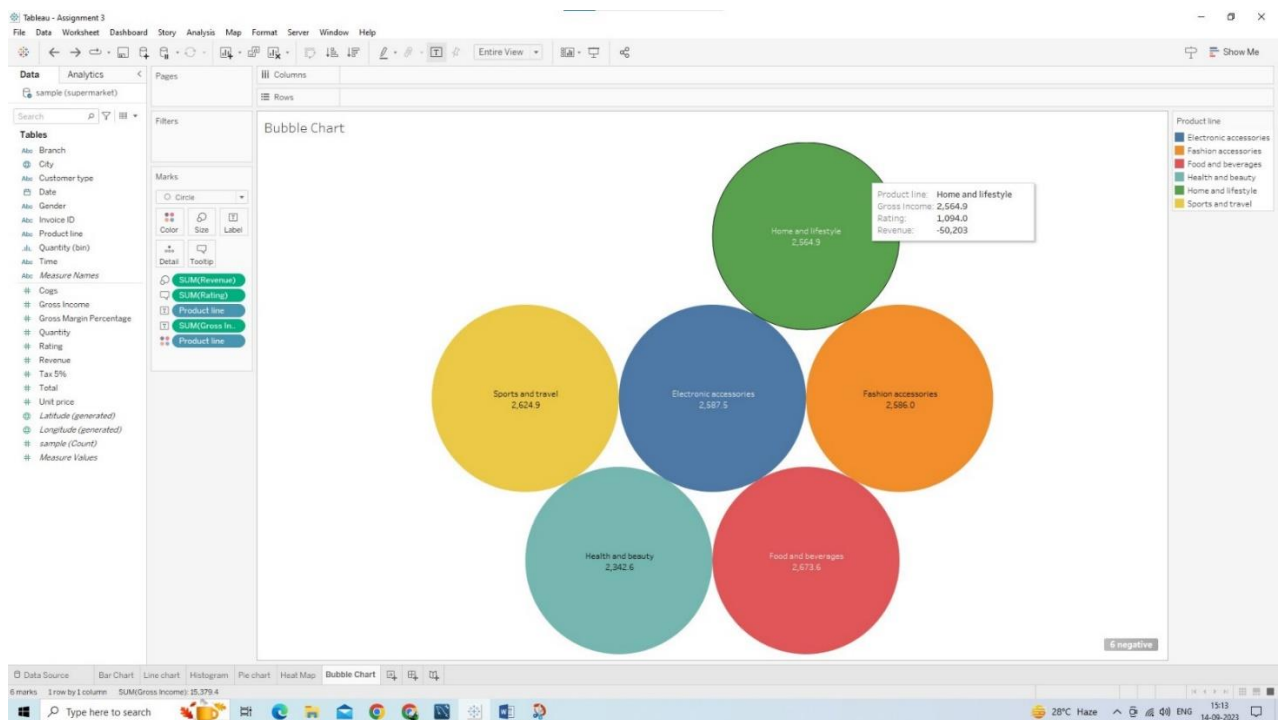
### 4)Pie Chart:



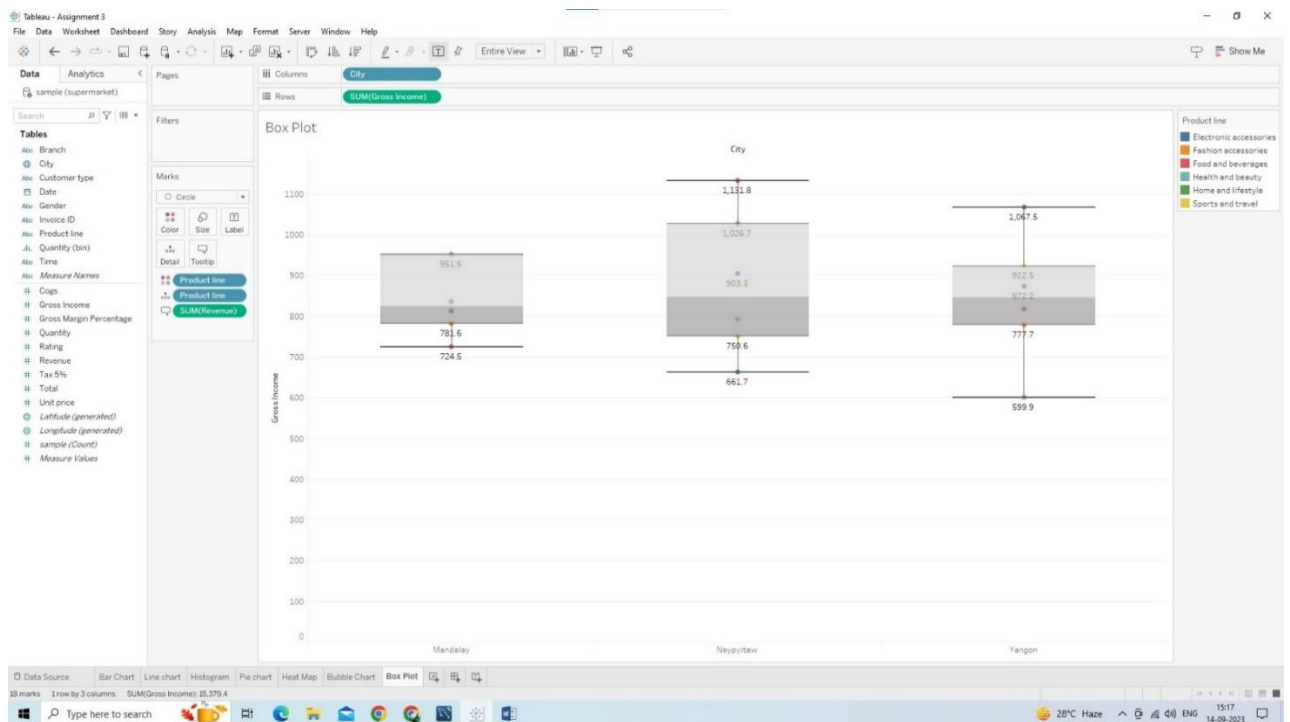
## 5) Heat Map:



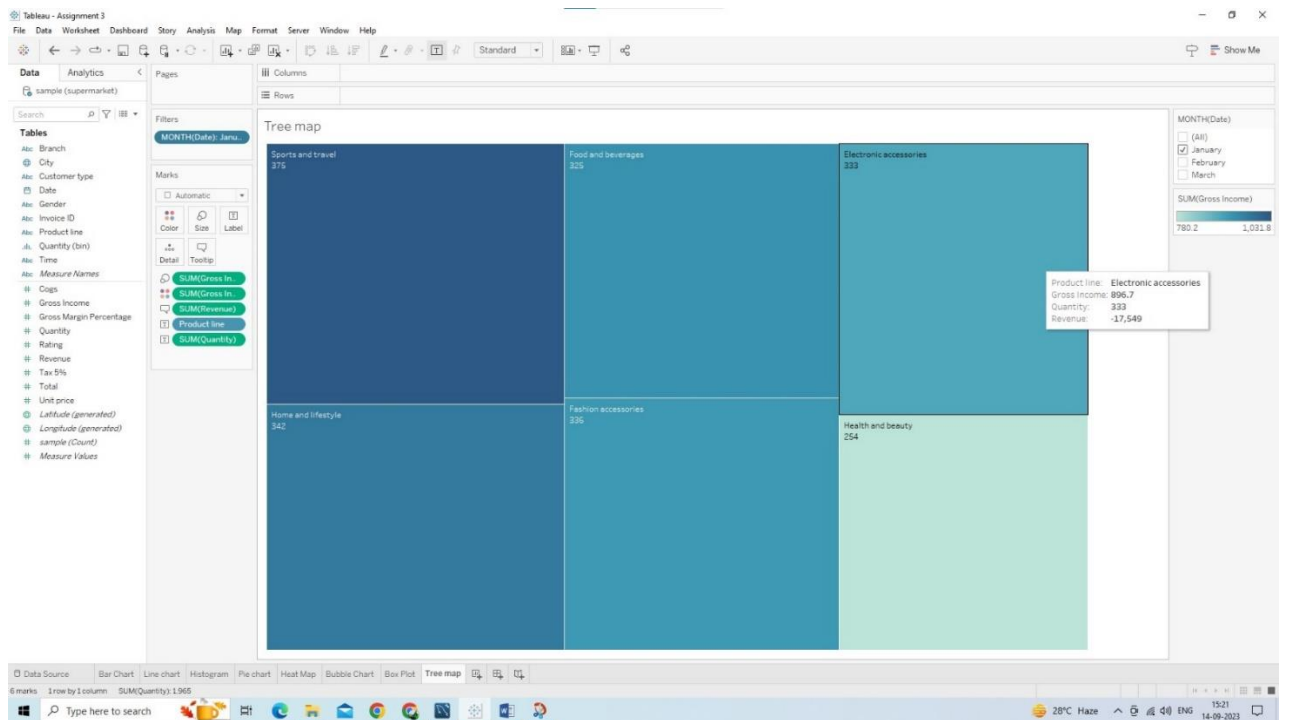
## 6) Bubble Chart:



## 7)Box Plot:

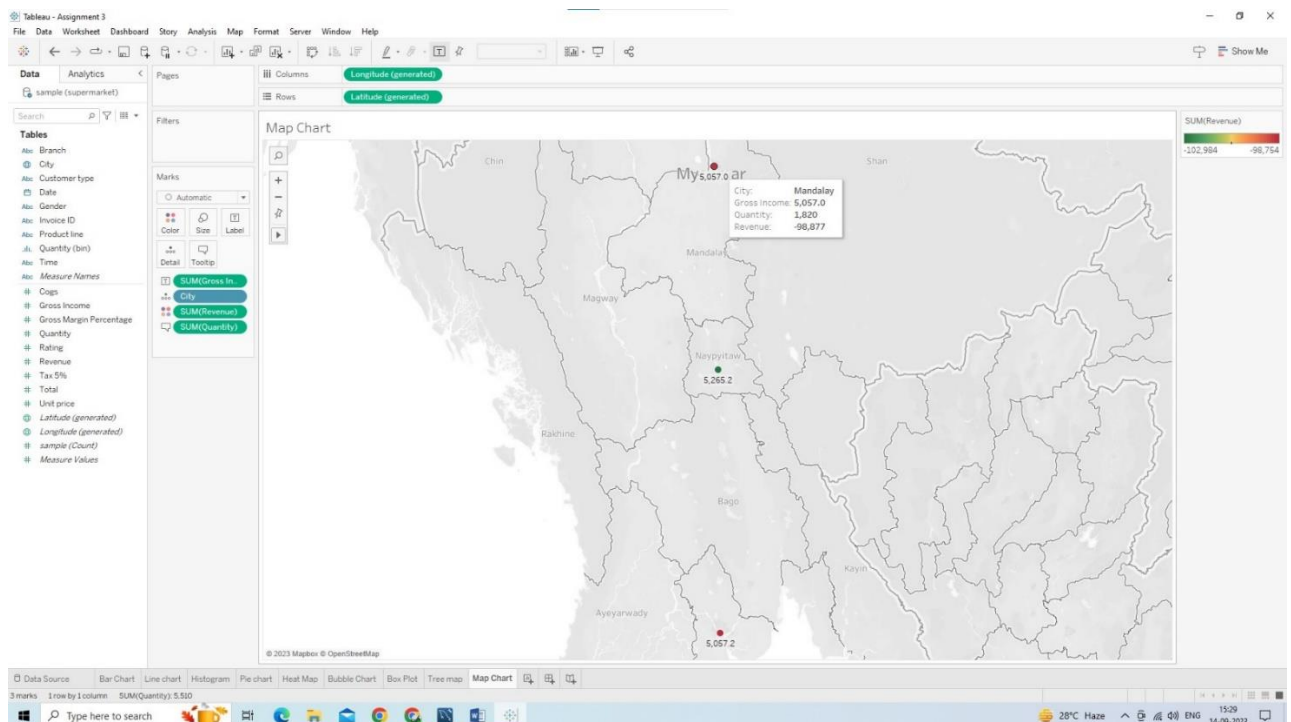


## 8)Tree Map:

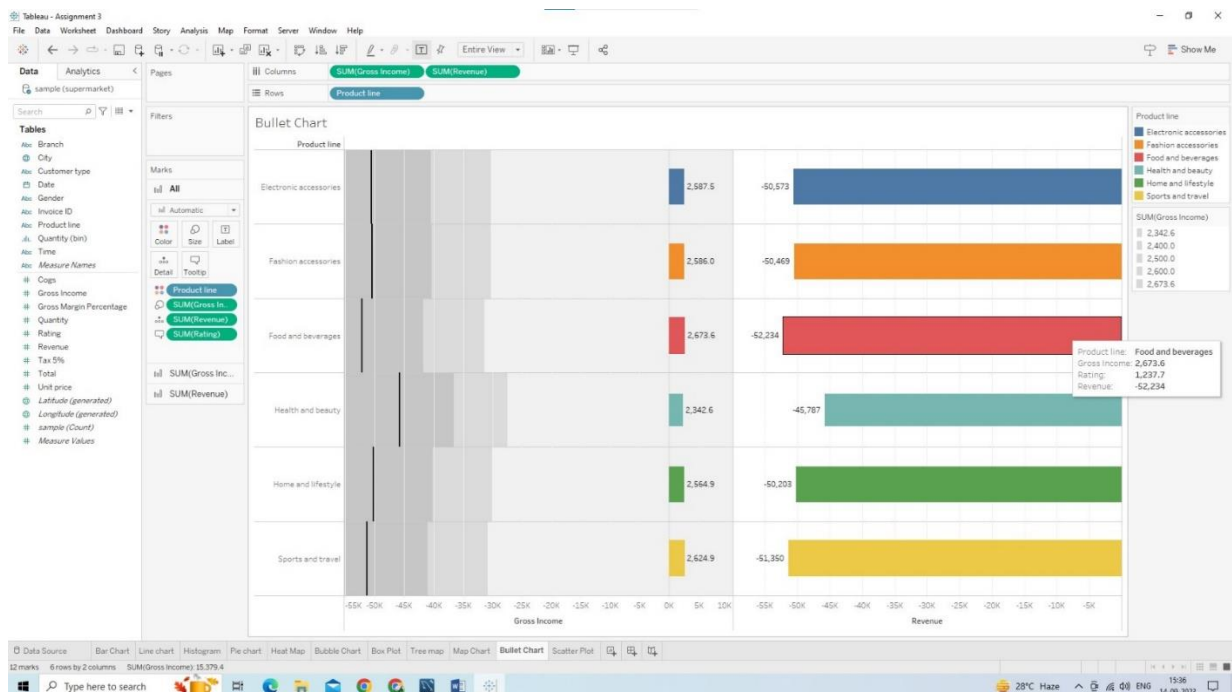




## 9)Map Chart:



## 10)Bullet Chart:



# 11)Scatter Plot:

