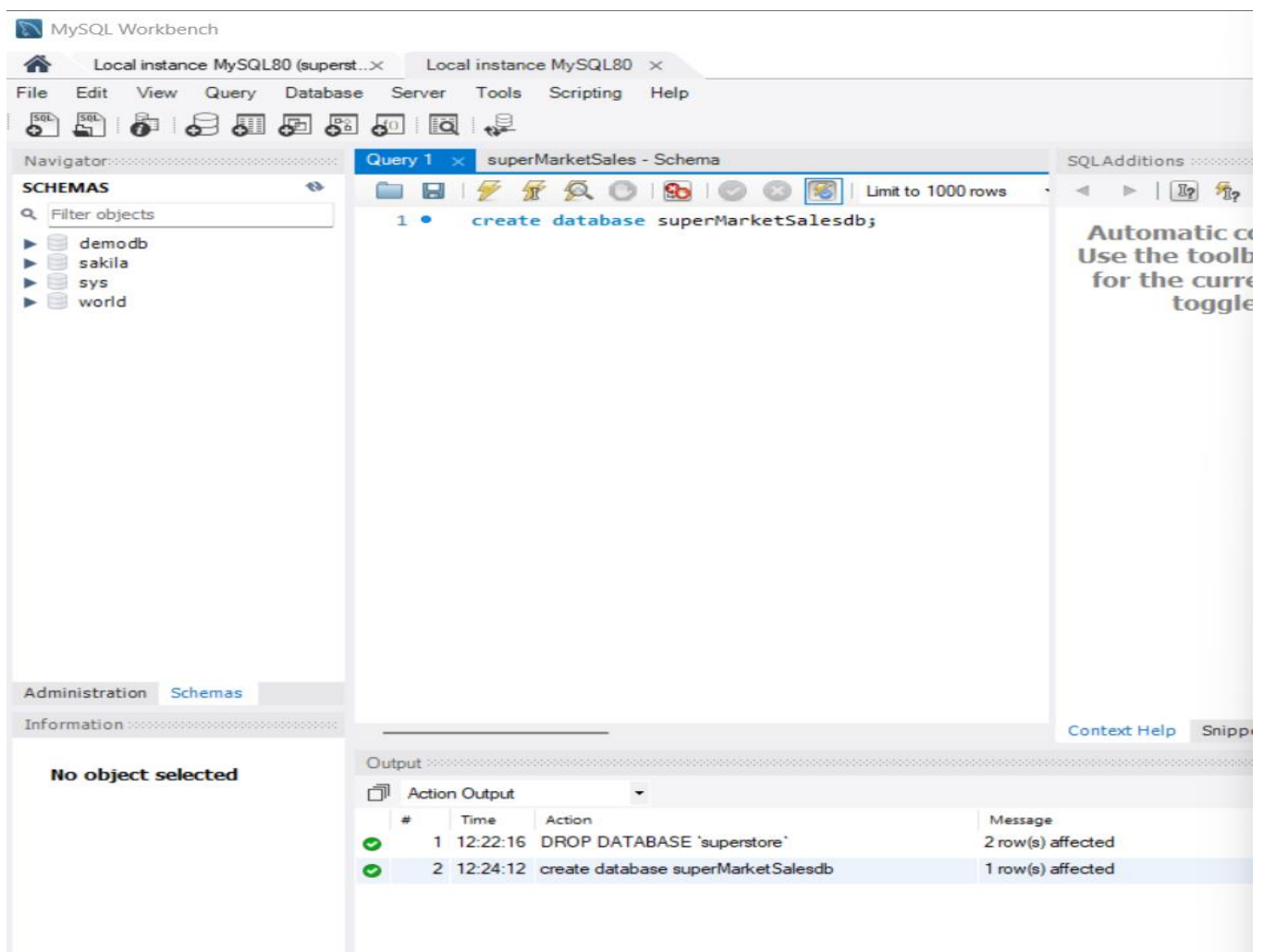


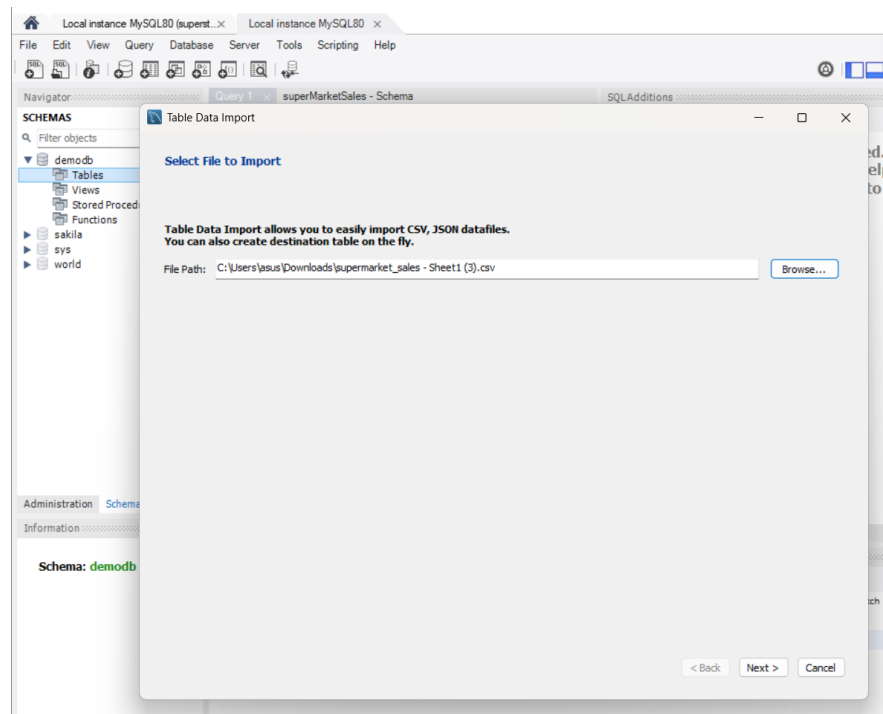
**Name:** Abhishek Pokale (21BCE10761)

## Assignment 3

### Uploading the dataset to mysql and integrate with tableau

1) Creating database superMarketSalesdb





## 2)Importing a dataset

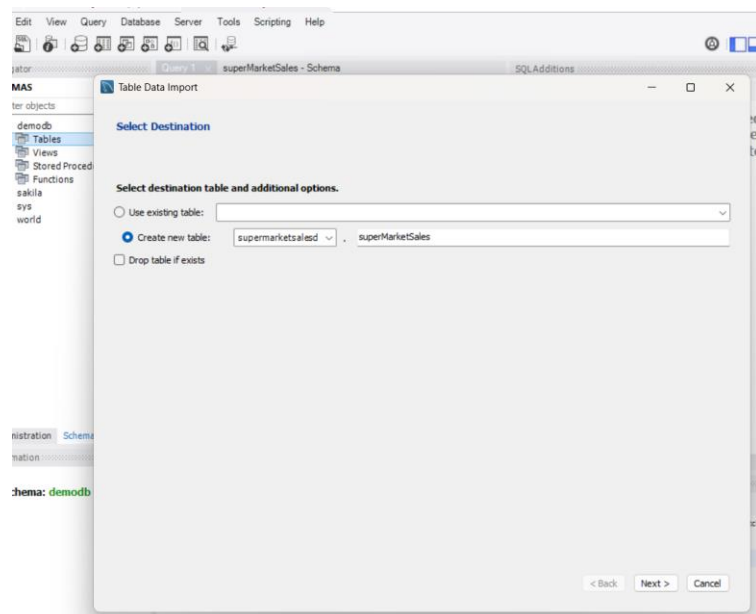


Table Data Import

Configure Import Settings

Detected file format: csv

Encoding: utf-8

Columns:	Field Type
<input checked="" type="checkbox"/> Source Column	
<input checked="" type="checkbox"/> Invoice ID	text
<input checked="" type="checkbox"/> Branch	text
<input checked="" type="checkbox"/> City	text
<input checked="" type="checkbox"/> Customer type	text
<input checked="" type="checkbox"/> Gender	text
<input checked="" type="checkbox"/> Product line	text

Invoice ID	Branch	City	Customer t...	Gender	Product line	Unit price	Quantity	Tax 5%	Total
750-67-84...	A	Yangon	Member	Female	Health and...	74.69	7	26.1415	546.971
226-31-30...	C	Naypyitaw	Normal	Female	Electronic a...	15.28	5	3.82	80.22
631-41-31...	A	Yangon	Normal	Male	Home and L...	46.33	7	16.2155	340.525
123-19-11...	A	Yangon	Member	Male	Health and...	58.22	8	23.288	489.048

< Back Next > Cancel

### 3) Removing the unnecessary column(s) and adding important column such as revenue

MySQL Workbench

Local instance MySQL80 (superst... Local instance MySQL80 (sup...)

File Edit View Query Database Server Tools Scripting Help

Navigator: SCHEMAS

- demodb
  - Tables
  - Views
  - Stored Procedures
  - Functions
- sakila
- supermarketsalesdb**
  - supermarketsales**
  - Views
  - Stored Procedures
  - Functions
- sys
- world

Administration Schemas

Information

Schema: supermarketsalesdb

Query 1 x superMarketSales - Schema

```
1 use supermarketsalesdb;
2 select * from supermarketsales;
```

Limit to 1000 rows

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Result Grid

Invoice ID	Branch	City	Customer type	Gender
750-67-8428	A	Yangon	Member	Female
226-31-3081	C	Naypyitaw	Normal	Female
631-41-3108	A	Yangon	Normal	Male
123-19-1176	A	Yangon	Member	Male
373-73-7910	A	Yangon	Normal	Male
699-14-3026	C	Naypyitaw	Normal	Male
355-53-5943	A	Yangon	Member	Female
315-22-5665	C	Naypyitaw	Normal	Female
665-32-9167	A	Yangon	Member	Female
692-92-5582	B	Mandalay	Member	Female

Result Grid Form Editor Field Types

Output

#	Time	Action	Message	Duration / Fetch
14	12:31:52	select * from StoredProcedures LIMIT 0, 1000	Error Code: 1146. Table 'supermarketsalesdb.stor...	0.000 sec
15	12:32:23	select * from views LIMIT 0, 1000	Error Code: 1146. Table 'supermarketsalesdb.view...	0.000 sec
16	12:32:26	use supermarketsalesdb	0 row(s) affected	0.000 sec
17	12:32:26	select * from views LIMIT 0, 1000	Error Code: 1146. Table 'supermarketsalesdb.view...	0.016 sec
18	12:32:50	use supermarketsalesdb	0 row(s) affected	0.000 sec
19	12:32:50	select * from supermarketsales LIMIT 0, 1000	1000 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

```

1 use supermarketsalesdb;
2 • select * from supermarketsales;
3 • alter table supermarketsales drop column InvoiceID

```

Result Grid | Filter Rows: | Export: | Result Grid

	Branch	City	Customer type	Gender	Product line
	A	Yangon	Member	Female	Health and beauty
	C	Naypyitaw	Normal	Female	Electronic accessories
	A	Yangon	Normal	Male	Home and lifestyle
	A	Yangon	Member	Male	Health and beauty
	A	Yangon	Normal	Male	Sports and travel
	C	Naypyitaw	Normal	Male	Electronic accessories
	A	Yangon	Member	Female	Electronic accessories
	C	Naypyitaw	Normal	Female	Home and lifestyle
	A	Yangon	Member	Female	Health and beauty
	B	Mandalay	Member	Female	Food and beverages

Form Editor | Field Types

MySQL Workbench

Local instance MySQL80 (supermarket) x Local instance MySQL80 (supermarket) x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

- Filter objects
- demodb
  - Tables
  - Views
  - Stored Procedures
  - Functions
- sakila
  - Tables
  - Columns
  - Indexes
  - Foreign Keys
  - Views
  - Stored Procedures
  - Functions
- sys
  - Views
  - Stored Procedures
  - Functions
- world
  - Tables
  - Columns
  - Indexes
  - Foreign Keys
  - Views
  - Stored Procedures
  - Functions

supermarketsalesdb

- Tables
- Columns
- Indexes
- Foreign Keys
- Views
- Stored Procedures
- Functions

supermarketsales

- Columns
- Indexes
- Foreign Keys
- Views
- Stored Procedures
- Functions

Query 1: supermarketsales - Schema new\_schema - Schema

```

1 use supermarketsalesdb;
2 select * from supermarketsales;
3 update supermarketsales set revenue = Unitprice * Quantity;

```

Result Grid | Filter Rows: | Export: | Wrap Cell Contents | Fetch rows: | Result Grid

Product line	Unitprice	Quantity	Tax 5%	Total	Date	Time	Payment	cogs	gross margin percentage	gross income	Rating	revenue
Health and beauty	74.69	7	26.1415	548.9715	1/5/2019	13:08	Ewallet	522.83	4.761904762	26.1415	9.1	523
Electronic accessories	15.28	5	3.92	80.22	3/8/2019	10:29	Cash	76.4	4.761904762	3.82	9.6	76
Home and lifestyle	46.33	7	16.2155	340.5255	3/2/2019	13:23	Credit card	324.31	4.761904762	16.2155	7.4	324
Health and beauty	58.22	8	23.288	489.048	1/27/2019	20:33	Ewallet	465.76	4.761904762	23.288	8.4	466
Sports and travel	86.31	7	30.2085	634.3785	2/8/2019	10:37	Ewallet	604.17	4.761904762	30.2085	5.3	604
Electronic accessories	85.39	7	29.8865	627.6165	3/25/2019	18:30	Ewallet	597.73	4.761904762	29.8865	4.1	598
Home and lifestyle	68.84	6	20.652	433.692	2/25/2019	14:36	Ewallet	413.04	4.761904762	20.652	5.8	413
Health and beauty	73.56	10	36.78	772.38	2/24/2019	11:38	Ewallet	735.6	4.761904762	36.78	8	736
Food and beverages	36.26	2	3.626	76.146	1/10/2019	17:15	Credit card	72.52	4.761904762	3.626	7.2	73
Food and beverages	54.84	3	8.226	172.746	2/20/2019	13:27	Credit card	164.52	4.761904762	8.226	5.9	165

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Read Only | Context Help | Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
84	12:55:02	use supermarketsalesdb	0 row(s) affected	0.000 sec
85	12:55:02	select * from supermarketsales LIMIT 0, 1000	1000 row(s) returned	0.000 sec / 0.000 sec
86	12:55:02	update supermarketsales set revenue = Unitprice * Quantity	1000 row(s) affected Rows matched: 1000 Changed: 1000 Warnings: 0	0.062 sec
87	12:55:12	use supermarketsalesdb	0 row(s) affected	0.000 sec
88	12:55:12	select * from supermarketsales LIMIT 0, 1000	1000 row(s) returned	0.000 sec / 0.000 sec
89	12:55:12	update supermarketsales set revenue = Unitprice * Quantity	0 row(s) affected Rows matched: 1000 Changed: 0 Warnings: 0	0.000 sec

Table: supermarketsales

Columns:

- Branch: text
- City: text
- Customer type: text
- Gender: text
- Product line: text
- Quantity: double
- Unitprice: int

Object Info | Session

MySQL

GeneralInitial SQL

Serverlocalhost

Port3306

Databasesuperstore

Username  
root

Password  
\*\*\*\*\*

☐ Require SSL

Sign In

Tableau - Book1

FileDataServerWindowHelp

ConnectionsAddlocalhostMySQLDatabase  
supermarketsalesdbTable  
supermarketsalesNew Custom SQLNew UnionNew Table Extension

supermarketsales (supermarketsalesdb)

Connection  
LiveExtractFilters  
0Add

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

supermarketsales  
Name  
supermarketsales  
Fields  

Type	Field Name	Physical Table	Remote FL...
Abc	Branch	supermarketsales	Branch
+	City	supermarketsales	City
Abc	Customer type	supermarketsales	Customer t...

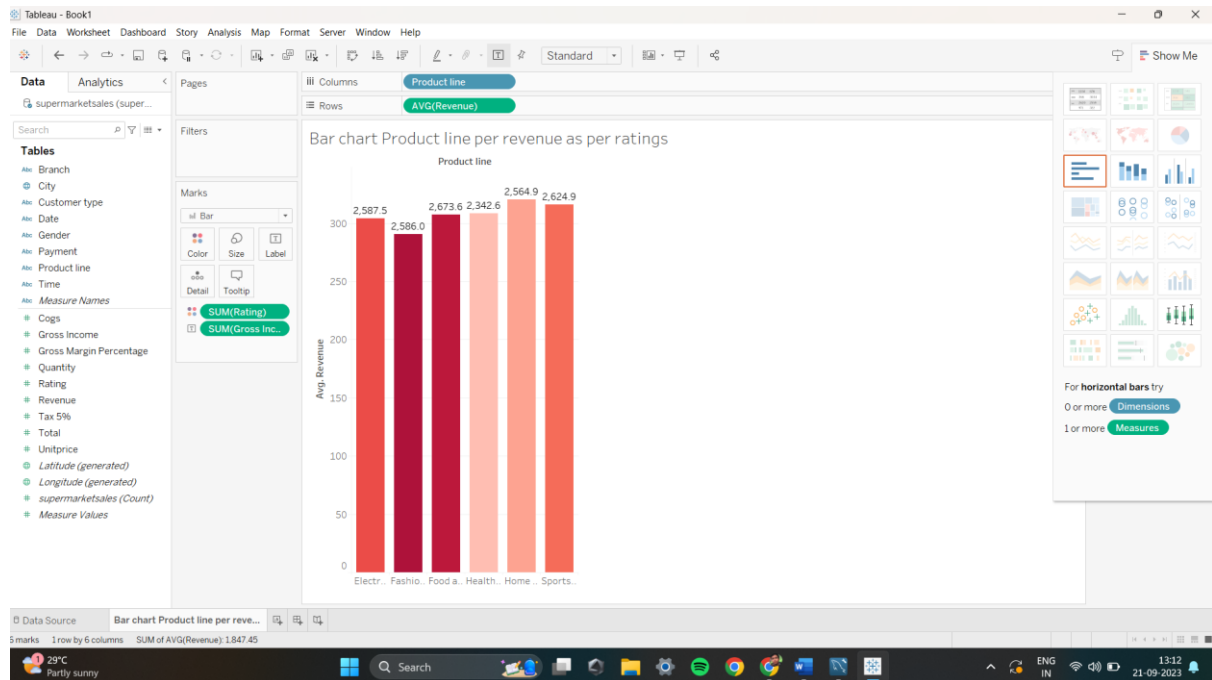
Update Now  
Update Automatically

Go to Worksheet

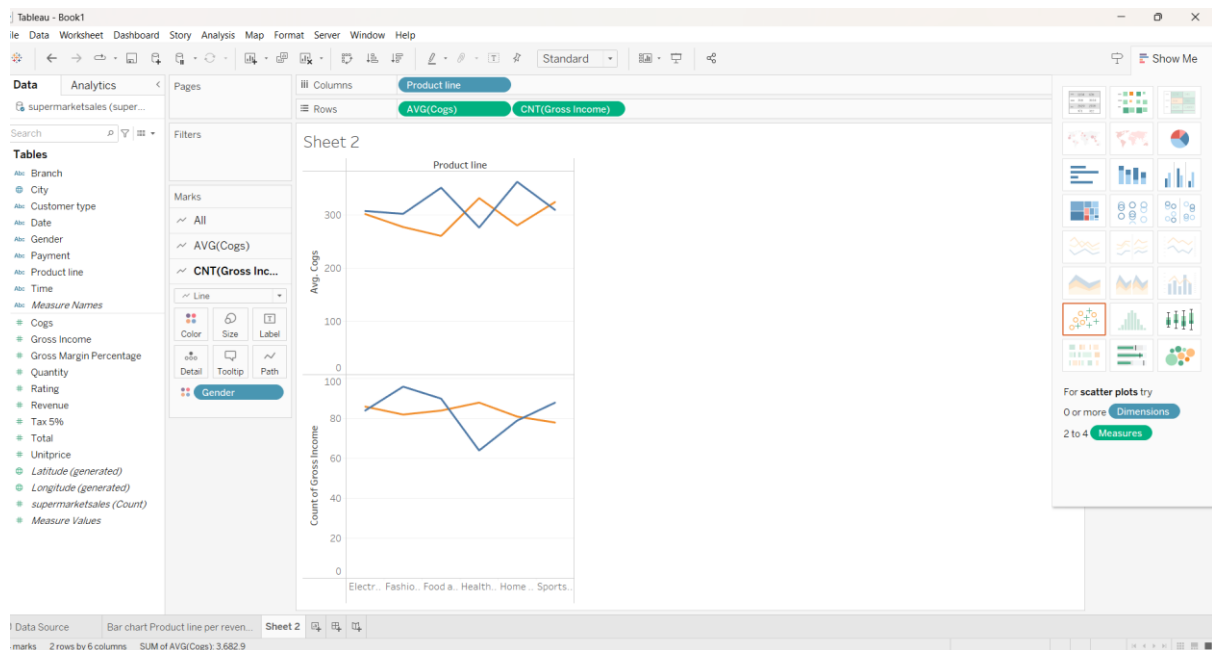
Data SourceSheet1

## Visualization

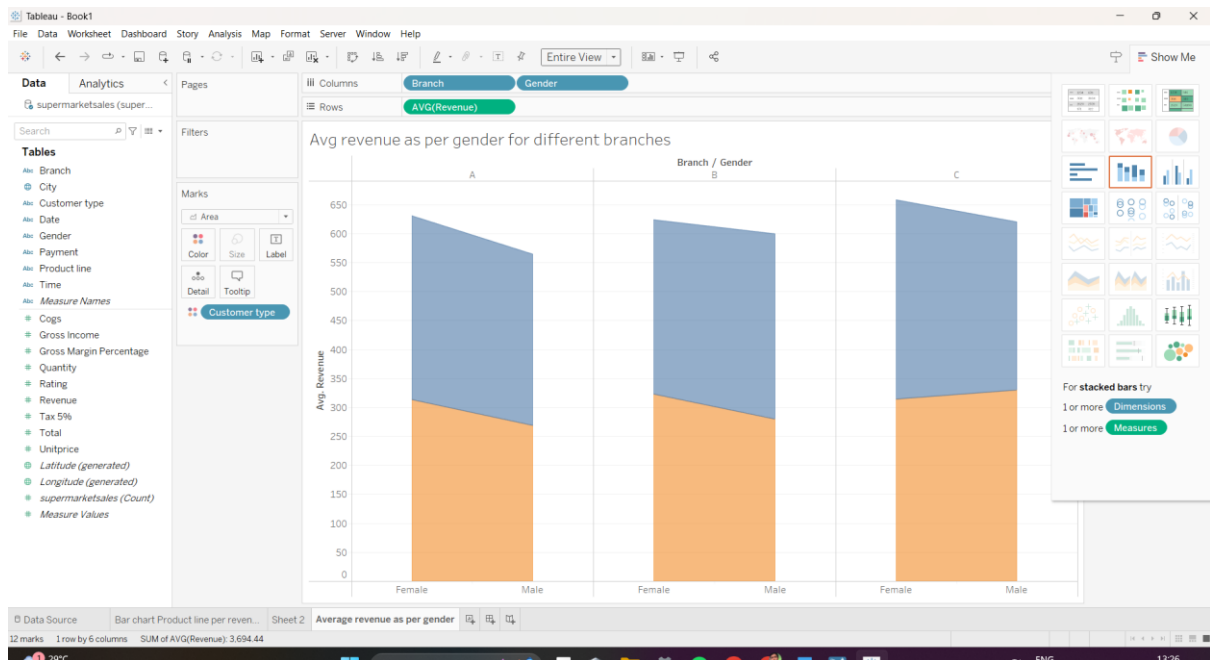
### 1) Bar chart: Product line per revenue (colour: ratings)



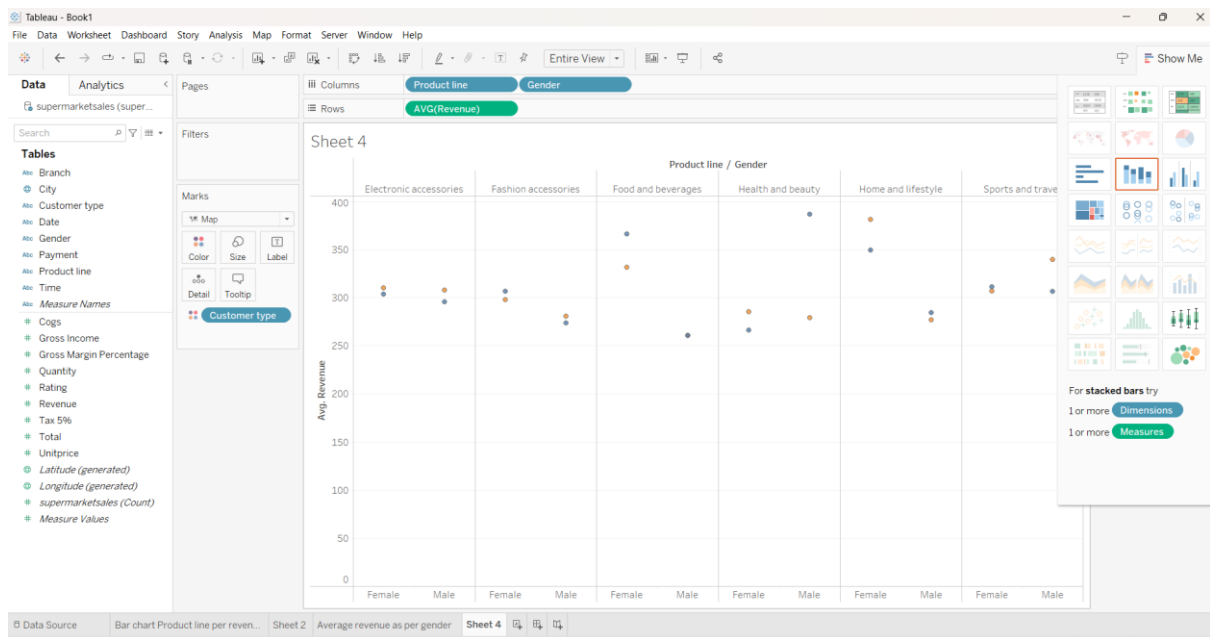
### 2) Line chart : Product line per avg cogs and count of gross income differ by Male and females



### 3) Area chart: Average revenue generated by different genders in different branches with respect to cities



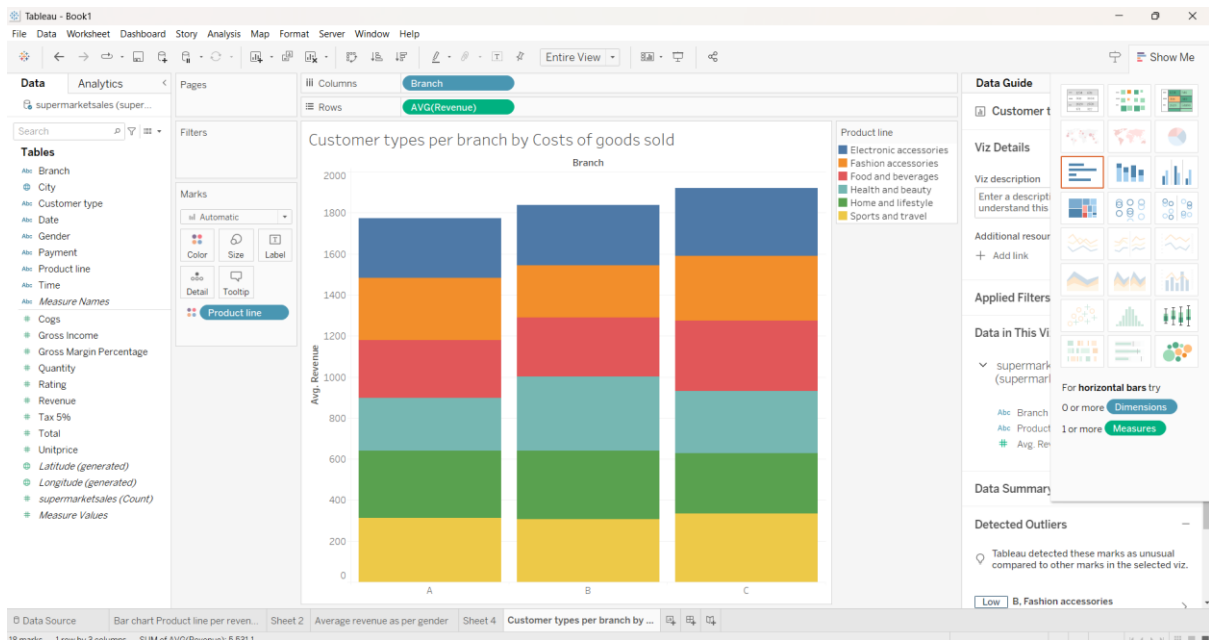
4)Point chart:Product line with respect to gender per avg. revenue per customer type(premium and member)



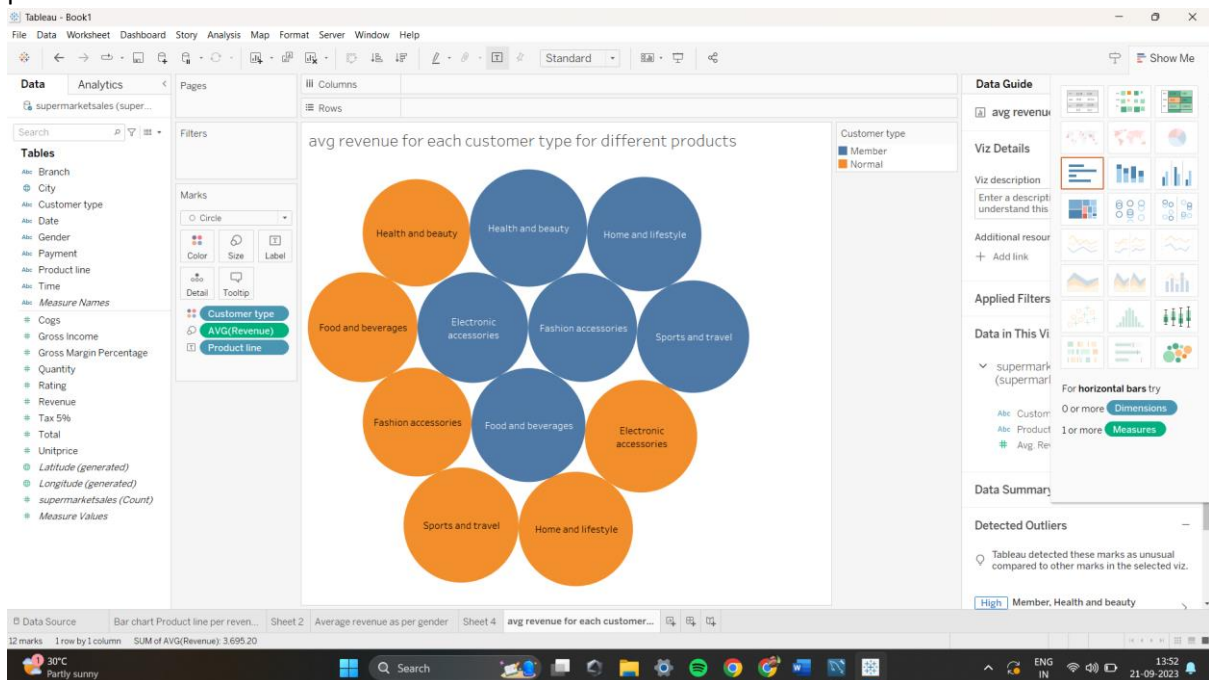
5)Pie chart:Branch by average revenue, per city ,bifurcated per genders







9)Packed bubble chart: revenue as per each customer types(normal and member) for different products line.



10)Scatter Plots: avg revenue for each customer type for different products coloured by members subscription

