

DA ASSIGNMENT 03

NAME: KSHITIJ SHARMA (21BRS1031)

DATE: 14/09/2023

Dataset link: <https://drive.google.com/file/d/1UmrCVmQFQYorNUTw414G3xot6rm46BwR/view>

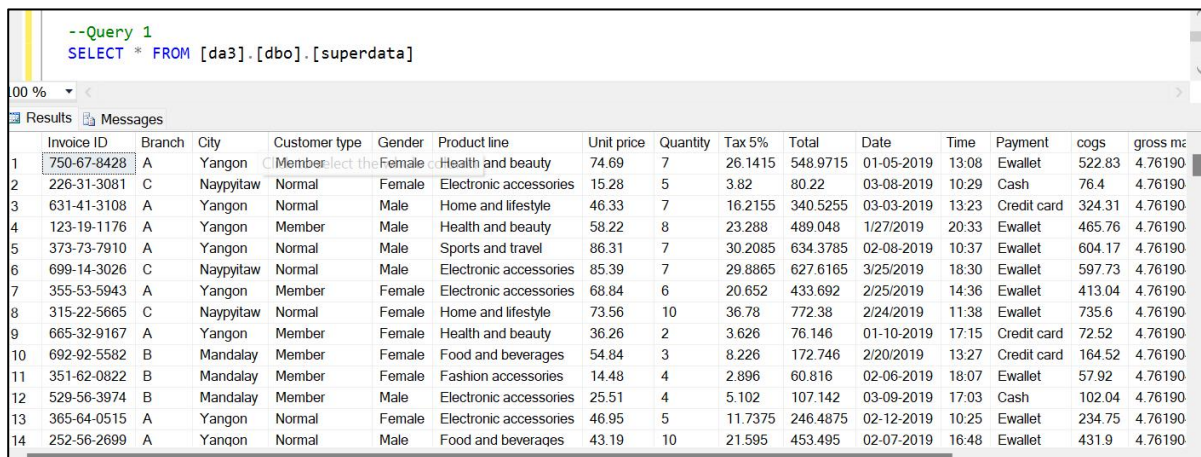
CHALLENGE

Upload the dataset to Mysql and integrate with Tableau, delete the unnecessary columns, explore and visualize the dataset using Tableau.

Step 1: MYSQL

Query 1

```
SELECT * FROM [da3].[dbo].[superdata]
```

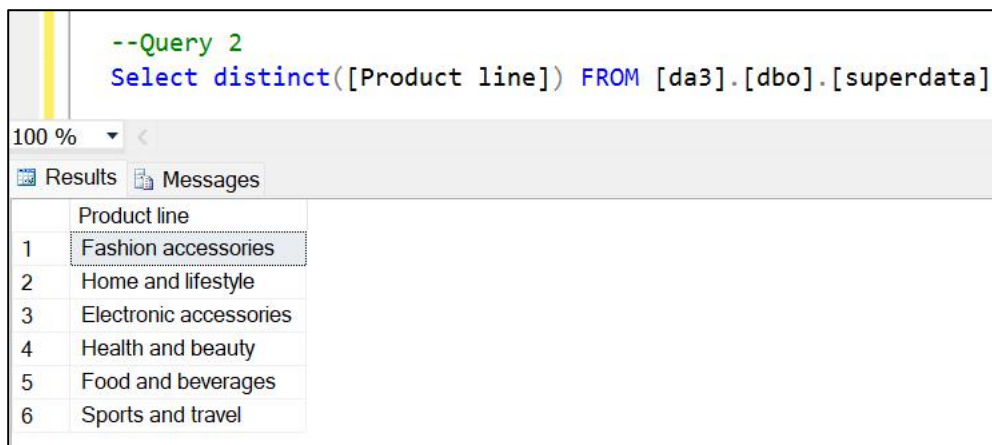


--Query 1
SELECT * FROM [da3].[dbo].[superdata]

	Invoice ID	Branch	City	Customer type	Gender	Product line	Unit price	Quantity	Tax 5%	Total	Date	Time	Payment	cogs	gross margin
1	750-67-8428	A	Yangon	Member	Female	Health and beauty	74.69	7	26.1415	548.9715	01-05-2019	13:08	Ewallet	522.83	4.76190
2	226-31-3081	C	Naypyitaw	Normal	Female	Electronic accessories	15.28	5	3.82	80.22	03-08-2019	10:29	Cash	76.4	4.76190
3	631-41-3108	A	Yangon	Normal	Male	Home and lifestyle	46.33	7	16.2155	340.5255	03-03-2019	13:23	Credit card	324.31	4.76190
4	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	4.76190
5	373-73-7910	A	Yangon	Normal	Male	Sports and travel	86.31	7	30.2085	634.3785	02-08-2019	10:37	Ewallet	604.17	4.76190
6	699-14-3026	C	Naypyitaw	Normal	Male	Electronic accessories	85.39	7	29.8865	627.6165	3/25/2019	18:30	Ewallet	597.73	4.76190
7	355-53-5943	A	Yangon	Member	Female	Electronic accessories	68.84	6	20.652	433.692	2/25/2019	14:36	Ewallet	413.04	4.76190
8	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	4.76190
9	665-32-9167	A	Yangon	Member	Female	Health and beauty	36.26	2	3.626	76.146	01-10-2019	17:15	Credit card	72.52	4.76190
10	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	4.76190
11	351-62-0822	B	Mandalay	Member	Female	Fashion accessories	14.48	4	2.896	60.816	02-06-2019	18:07	Ewallet	57.92	4.76190
12	529-56-3974	B	Mandalay	Member	Male	Electronic accessories	25.51	4	5.102	107.142	03-09-2019	17:03	Cash	102.04	4.76190
13	365-64-0515	A	Yangon	Normal	Female	Electronic accessories	46.95	5	11.7375	246.4875	02-12-2019	10:25	Ewallet	234.75	4.76190
14	252-56-2699	A	Yangon	Normal	Male	Food and beverages	43.19	10	21.595	453.495	02-07-2019	16:48	Ewallet	431.9	4.76190

Query 2

```
Select distinct([Product line]) FROM [da3].[dbo].[superdata]
```



--Query 2
Select distinct([Product line]) FROM [da3].[dbo].[superdata]

	Product line
1	Fashion accessories
2	Home and lifestyle
3	Electronic accessories
4	Health and beauty
5	Food and beverages
6	Sports and travel

Query 3

```
Select distinct([city]) FROM [da3].[dbo].[superdata]
```

```
--Query 3
Select distinct([city]) FROM [da3].[dbo].[superdata]
```

city
Mandalay
Yangon
Naypyitaw

Query 4

```
Select [Product line] From [da3].[dbo].[superdata] where Payment='Cash'
```

```
--Query 4
Select [Product line] From [da3].[dbo].[superdata] where Payment='Cash'
```

Product line
1 Electronic accessories
2 Electronic accessories
3 Health and beauty
4 Sports and travel
5 Fashion accessories
6 Food and beverages
7 Health and beauty
8 Sports and travel
9 Sports and travel
10 Home and lifestyle
11 Home and lifestyle
12 Sports and travel
13 Food and beverages
14 Health and beauty
15 Electronic accessories

Query 5

```
Select [Product line], Rating From [da3].[dbo].[superdata] where Rating>'9.5'
```

--Query 5

```
Select [Product line], Rating From [da3].[dbo].[superdata] where Rating>'9.5'
```

100 %

Results Messages

	Product line	Rating
1	Electronic accessories	9.6
2	Electronic accessories	9.9
3	Food and beverages	9.6
4	Fashion accessories	9.9
5	Food and beverages	9.6
6	Fashion accessories	9.9
7	Food and beverages	9.9
8	Home and lifestyle	9.8
9	Food and beverages	9.9
10	Home and lifestyle	9.7
11	Electronic accessories	9.8
12	Food and beverages	9.6
13	Health and beauty	9.9
14	Home and lifestyle	9.9
15	Electronic accessories	9.9

--Query 6

```
select count([Customer type]) as total_customers from [da3].[dbo].[superdata]
```

--Query 7

100 %

Results Messages

	total_customers
1	1000

--Query 7

```
select city, count([Customer type]) as total_customers from [da3].[dbo].[superdata]  
group by city
```

100 %

Results Messages

	city	total_customers
1	Mandalay	332
2	Yangon	340
3	Naypyitaw	328

--Query 8

```
select distinct([payment]) as 'modes_of_payments' from [da3].[dbo].[superdata]
```

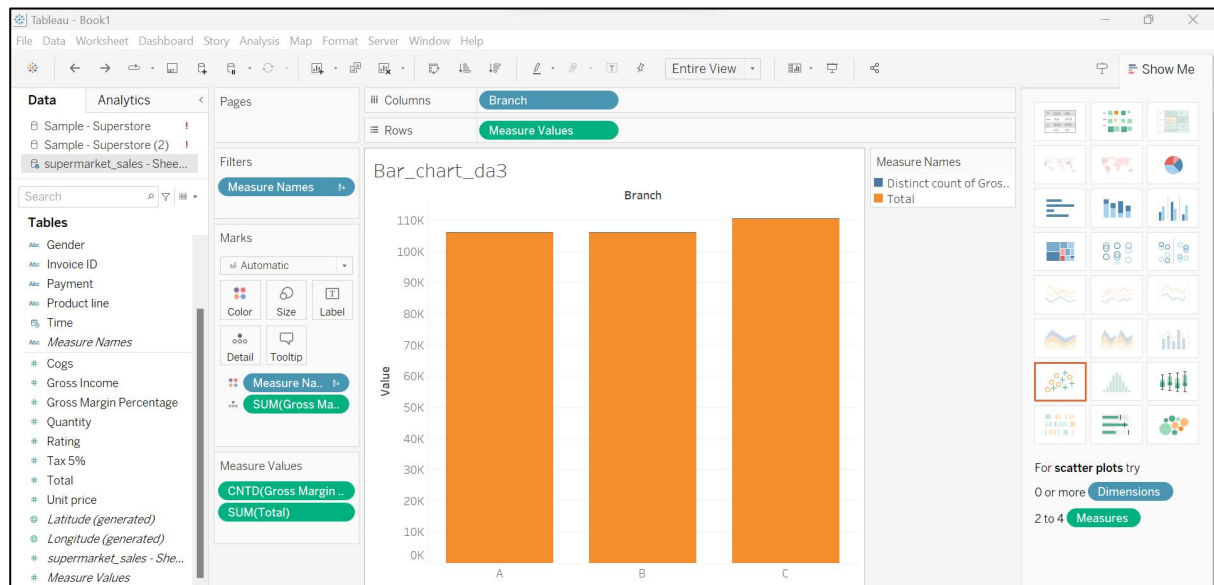
%

Results Messages

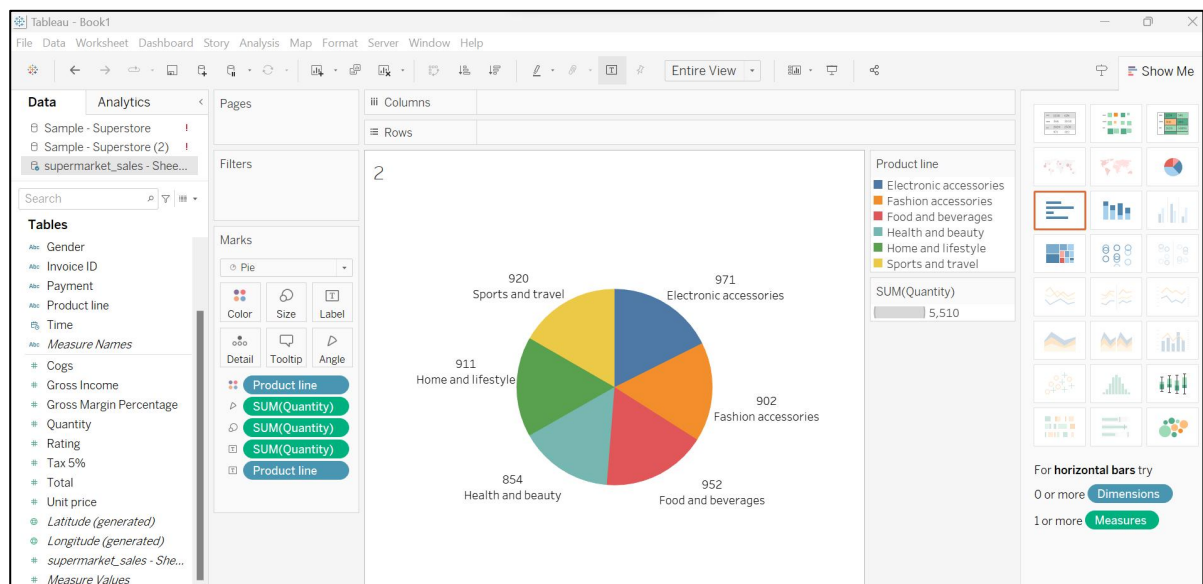
	modes_of_payments
	Credit card
	Cash
	Ewallet

STEP 2: Integrated TABLEAU with Mysql server

Visualization 1:



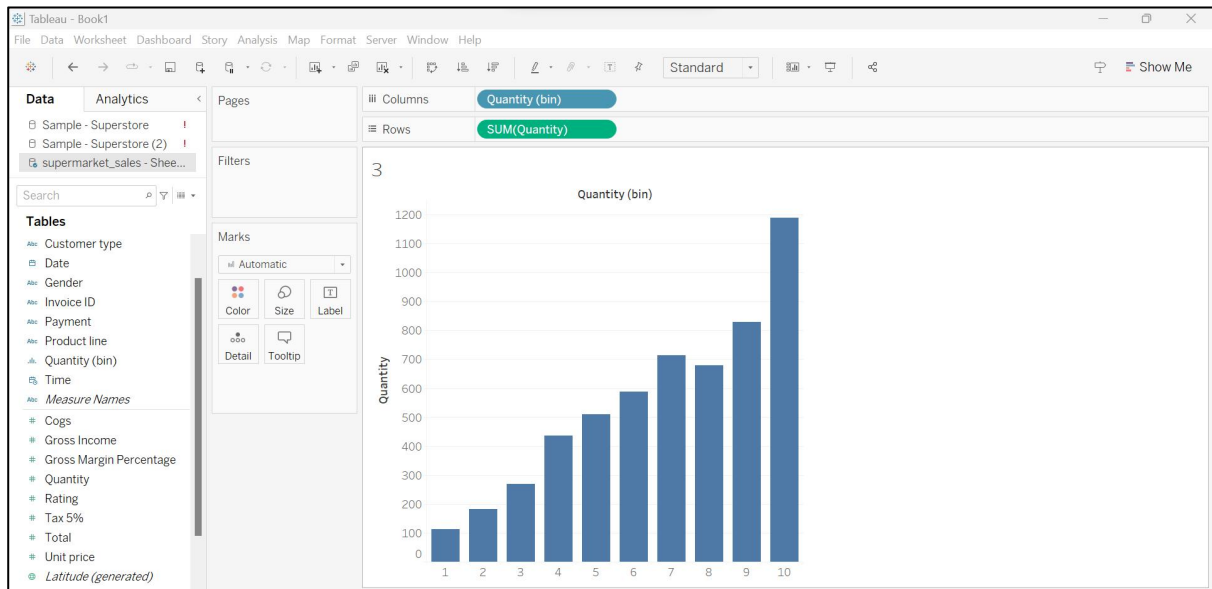
Visualization 2:



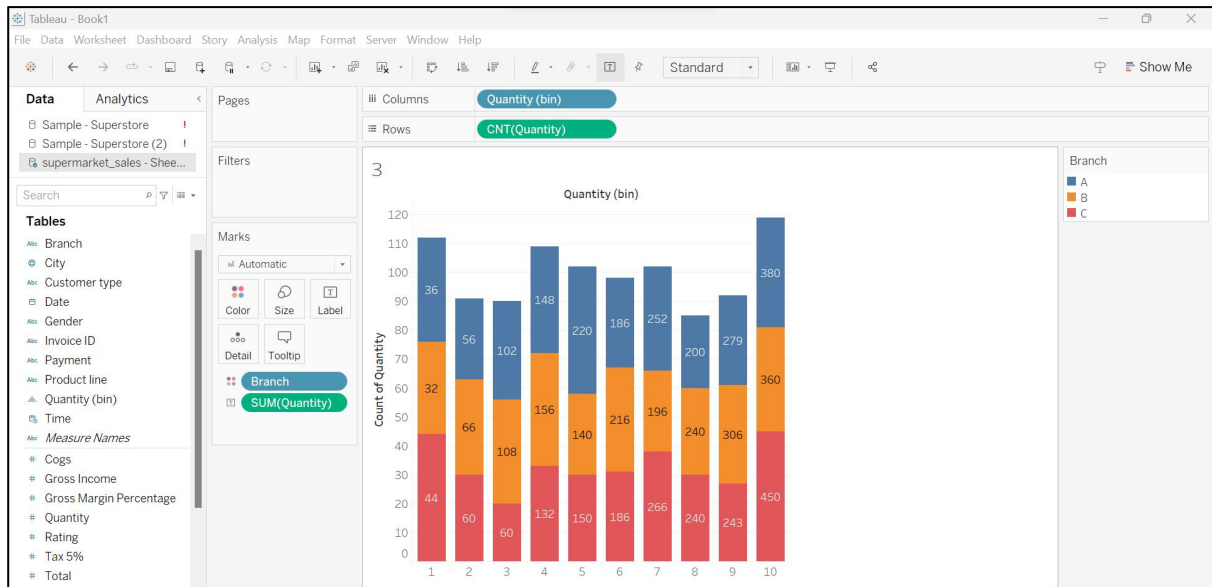
Visualization 3:

Quantity(bin): tells the number of items

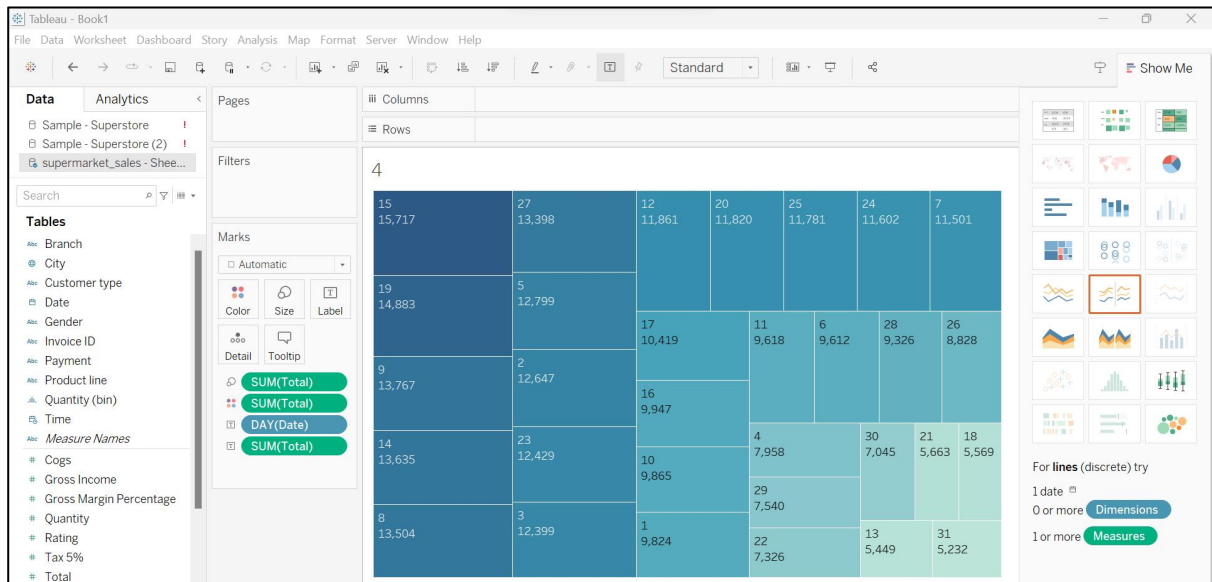
Quantity: tells the total amount with respect to the number of items purchased



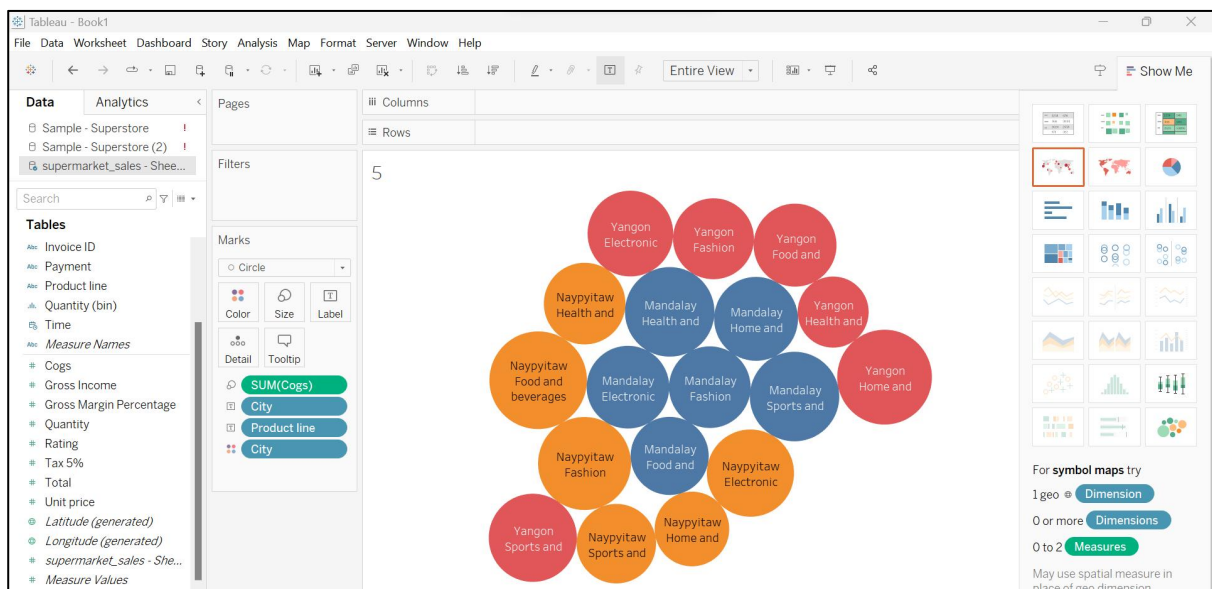
Visualization 4:



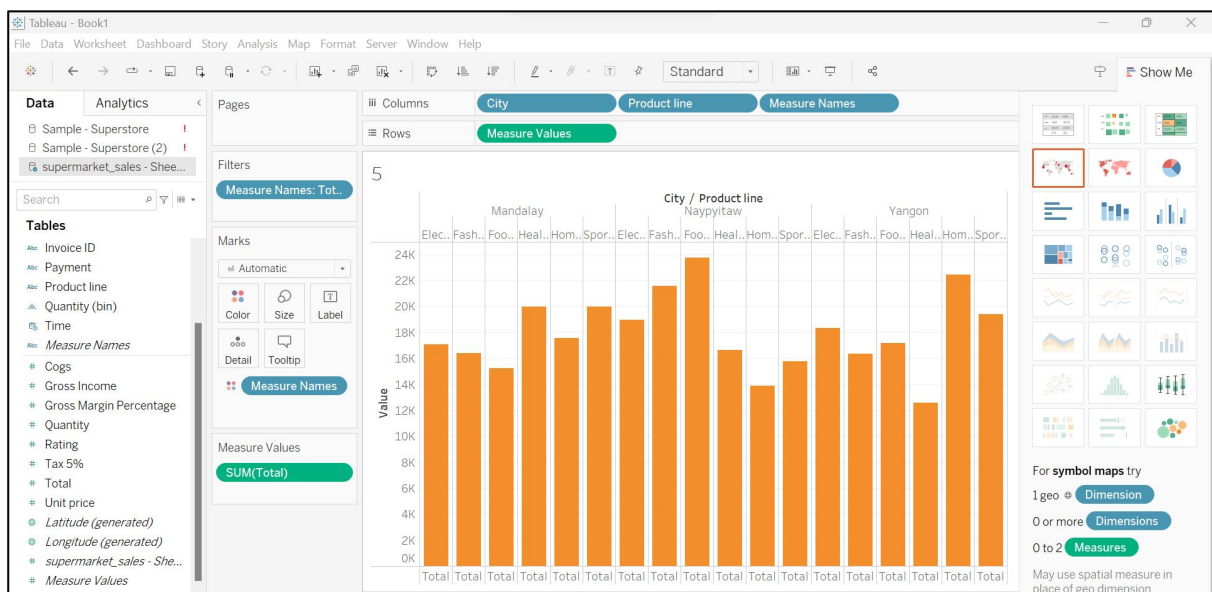
Visualization 5:



Visualization 6:



Visualization 7:



Visualization 8:

