

ASSIGNMENT - 4

DATA ANALYTICS WITH IBM COGNOS

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CAMPUS: VIT-AP
STREAM: DA WITH IBM

MYSQL COMMANDS:

The screenshot shows the IBM Cognos Query Studio interface. The top pane displays a list of MySQL commands for a query named 'Query 1' in the 'supermarket - Schema'. The commands are:

- 1 use supermarket;
- 2 select * from supermarketdata;
- 3 select `Invoice ID`, `Product line` from supermarketdata;
- 4 alter table supermarketdata add revenue double;
- 5 update supermarket set revenue = (Rating-cogs);

The bottom pane shows the 'Result Grid' with two columns: 'Invoice ID' and 'Product line'. It displays a list of 15 rows of data. The right sidebar contains options for 'Result Grid', 'Form Editor', and 'Field Types'.

Invoice ID	Product line
750-67-8428	Health and beauty
226-31-3081	Electronic accessories
631-41-3108	Home and lifestyle
123-19-1176	Health and beauty
373-73-7910	Sports and travel
609-14-3026	Electronic accessories
355-53-5943	Electronic accessories
315-22-5665	Home and lifestyle
665-32-9167	Health and beauty
692-92-5582	Food and beverages
351-62-0822	Fashion accessories
529-56-3974	Electronic accessories
.....

This screenshot shows a close-up of the MySQL commands in the IBM Cognos Query Studio. The commands are:

2. select * from supermarketdata;
3. select `Invoice ID`, `Product line` from super
4. alter table supermarketdata add revenue doubl
5. update supermarketdata set revenue = (Rating-

On the left, a list of fields is visible, including Product line, Unit price, Quantity, Tax 5%, Total, Date, Time, Payment, cogs, gross margin p, gross income, Rating, and revenue.

Result Grid													
Filter Rows:													
Export: Wrap Cell Contents: Fetch rows:													
	Gender	Product line	Unit price	Quantity	Tax 5%	Total	Date	Time	cogs	gross margin percentage	gross income	Rating	revenue
▶	Female	Health and beauty	74.69	7	26.1415	548.9715	1/5/2019	13:08	522.83	4.761904762	26.1415	9.1	-513.73
	Female	Electronic accessories	15.28	5	3.82	80.22	3/8/2019	10:29	76.4	4.761904762	3.82	9.6	-66.80000000000001
	Male	Home and lifestyle	46.33	7	16.2155	340.5255	3/3/2019	13:23	324.31	4.761904762	16.2155	7.4	-316.91
	Male	Health and beauty	58.22	8	23.288	489.048	1/27/2019	20:33	465.76	4.761904762	23.288	8.4	-457.36
	Male	Sports and travel	86.31	7	30.2085	634.3785	2/8/2019	10:37	604.17	4.761904762	30.2085	5.3	-598.87
	Male	Electronic accessories	85.29	7	29.0865	627.6165	3/25/2019	18:30	597.73	4.761904762	29.0865	4.1	-593.63
	Female	Electronic accessories	68.84	6	20.652	433.692	2/25/2019	14:36	413.04	4.761904762	20.652	5.8	-407.24
	Female	Home and lifestyle	73.56	10	36.78	772.38	2/24/2019	11:38	735.6	4.761904762	36.78	8	-727.6
	Female	Health and beauty	36.26	2	3.626	76.146	1/10/2019	17:15	72.52	4.761904762	3.626	7.2	-65.32
	Female	Food and beverages	54.84	3	8.226	172.746	2/20/2019	13:27	164.52	4.761904762	8.226	5.9	-158.62
	Female	Fashion accessories	14.48	4	2.896	60.816	2/6/2019	18:07	57.92	4.761904762	2.896	4.5	-53.42
	Male	Electronic accessories	25.51	4	5.102	107.142	3/9/2019	17:03	102.04	4.761904762	5.102	6.8	-95.24000000000001
	Female	Electronic accessories	46.95	5	11.7375	246.4875	2/12/2019	10:25	234.75	4.761904762	11.7375	7.1	-227.65
	Male	Food and beverages	43.19	10	21.595	453.495	2/7/2019	16:48	431.9	4.761904762	21.595	8.2	-423.7
	Female	Health and beauty	71.38	10	35.69	749.49	3/29/2019	19:21	713.8	4.761904762	35.69	5.7	-708.0999999999999

Columns	
◆	Invoice ID
◆	Branch
◆	City
◆	Customer type
◆	Product line
◆	Unit price
◆	Quantity
◆	Tax 5%
◆	Total
◆	Date
◆	Time
◆	Payment
◆	cogs

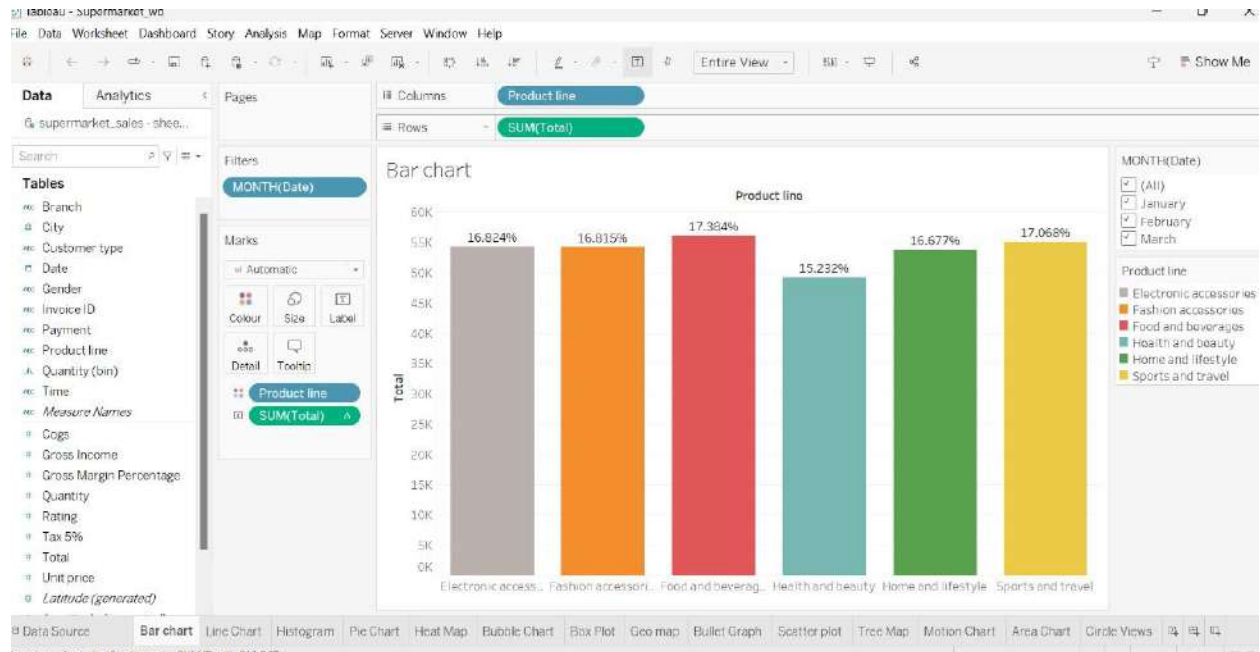
```

3 • select `Invoice ID`,`Product line` from supermarketdata;
4 • alter table supermarketdata add revenue double;
5 • update supermarketdata set revenue = (Rating-cogs);
6 • select * from sample;
7 • alter table supermarketdata drop column Gender;
8

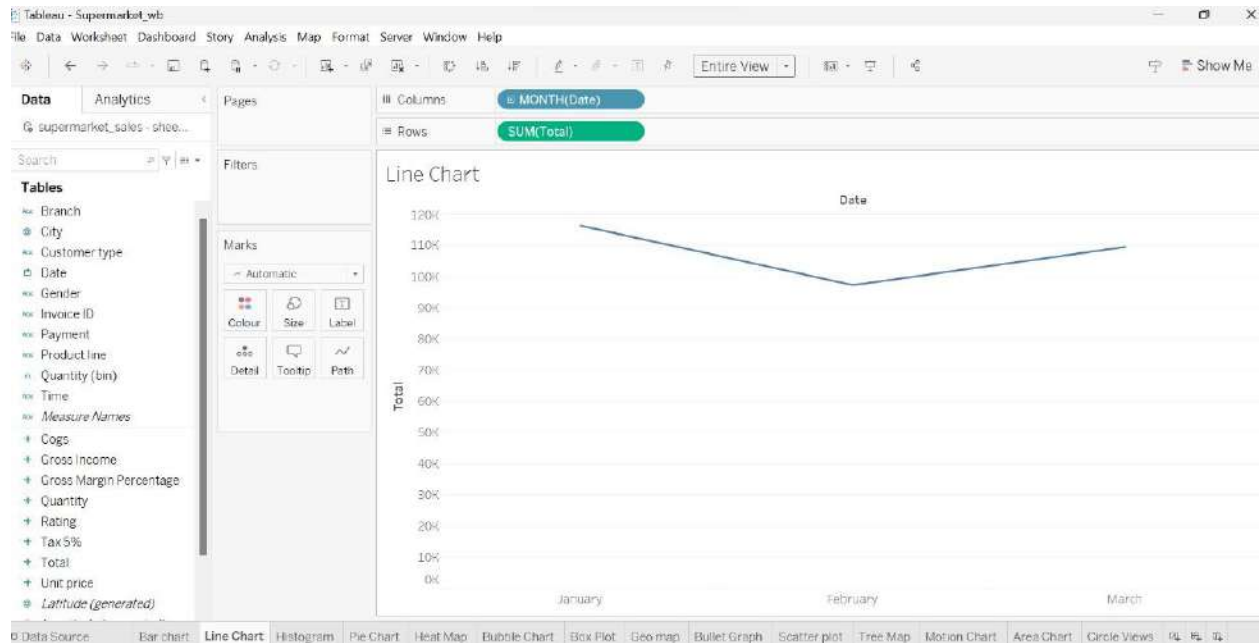
```

VISUALIZATIONS IN TABLEAU:

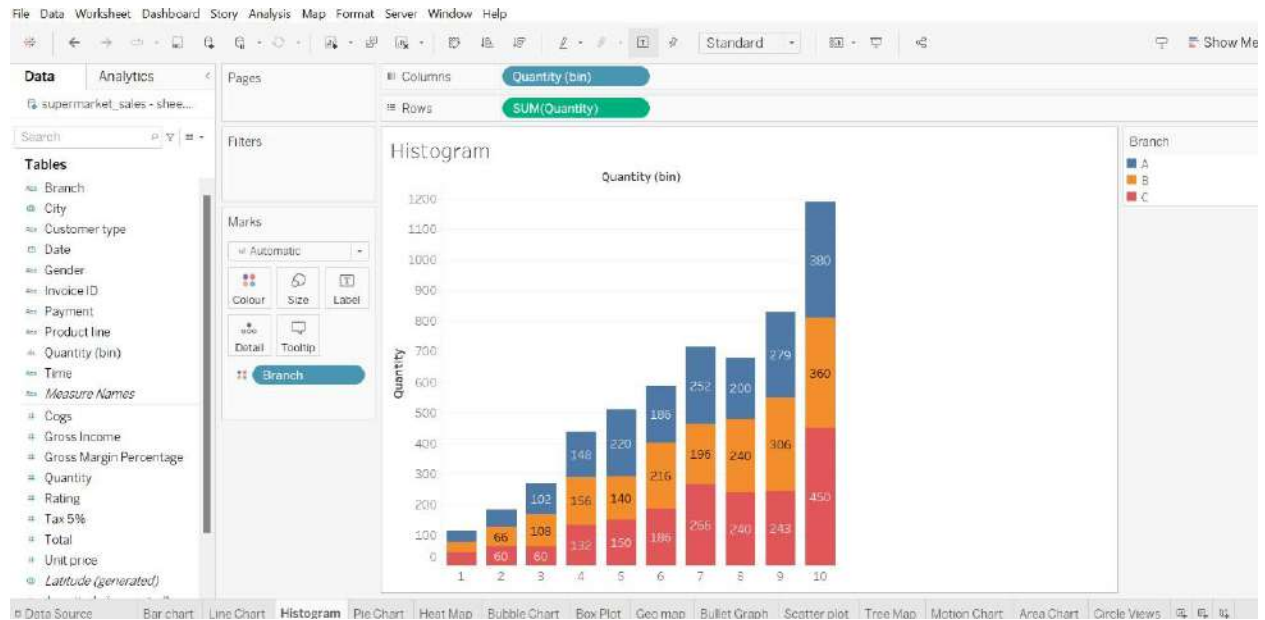
1] BAR CHART



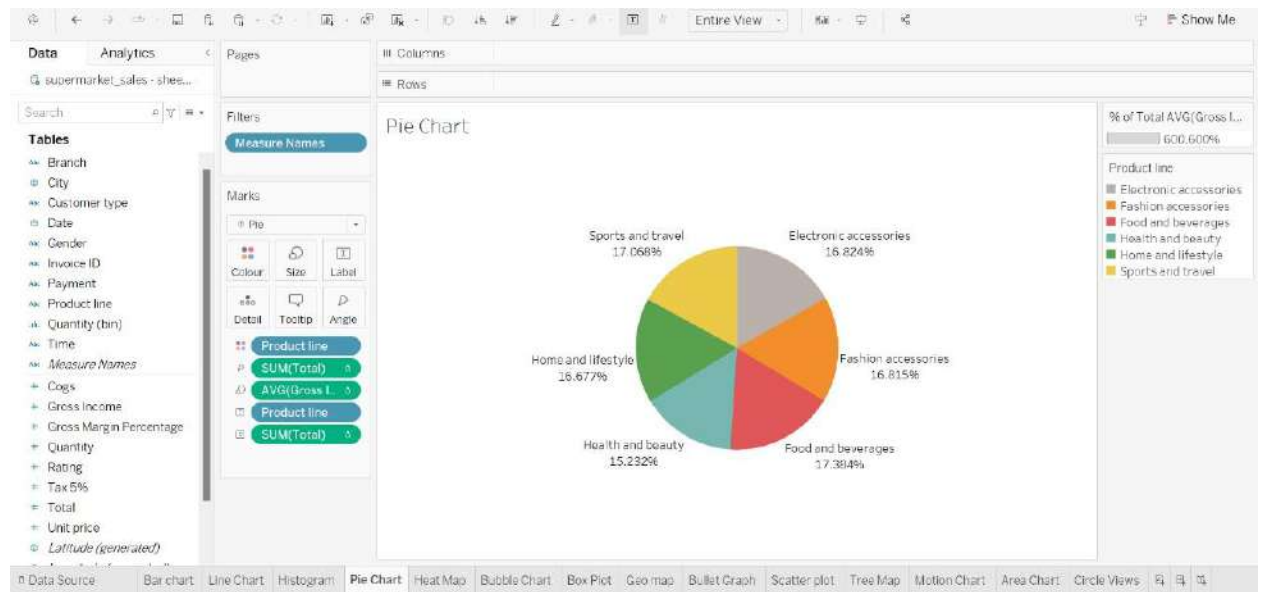
2] LINE CHART



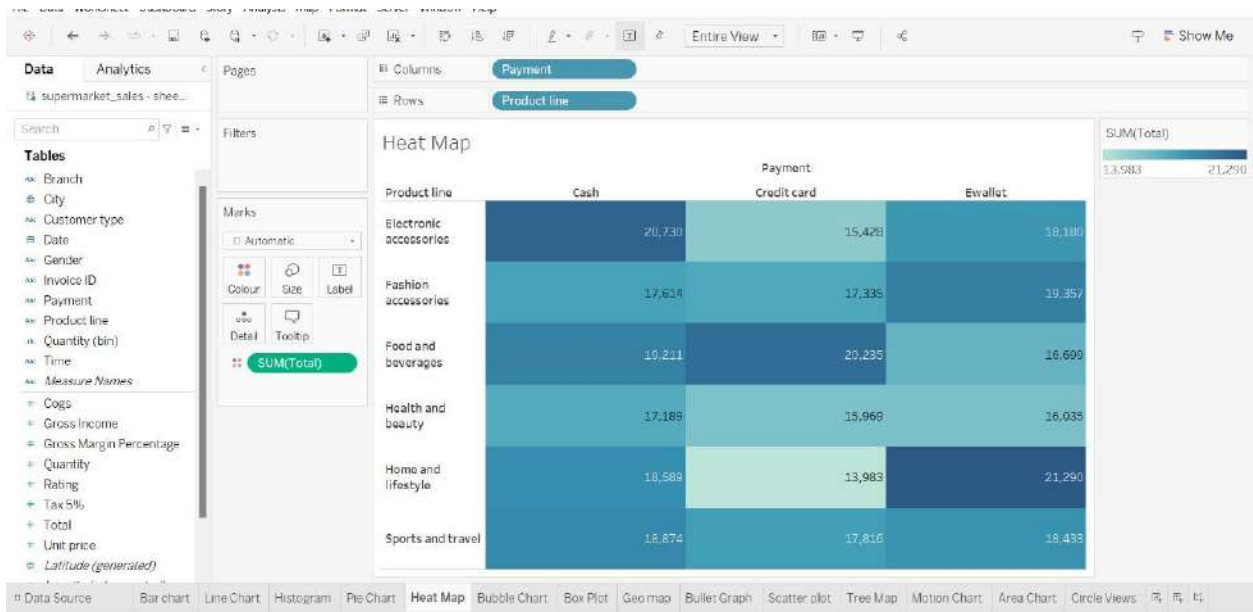
4] HISTOGRAM



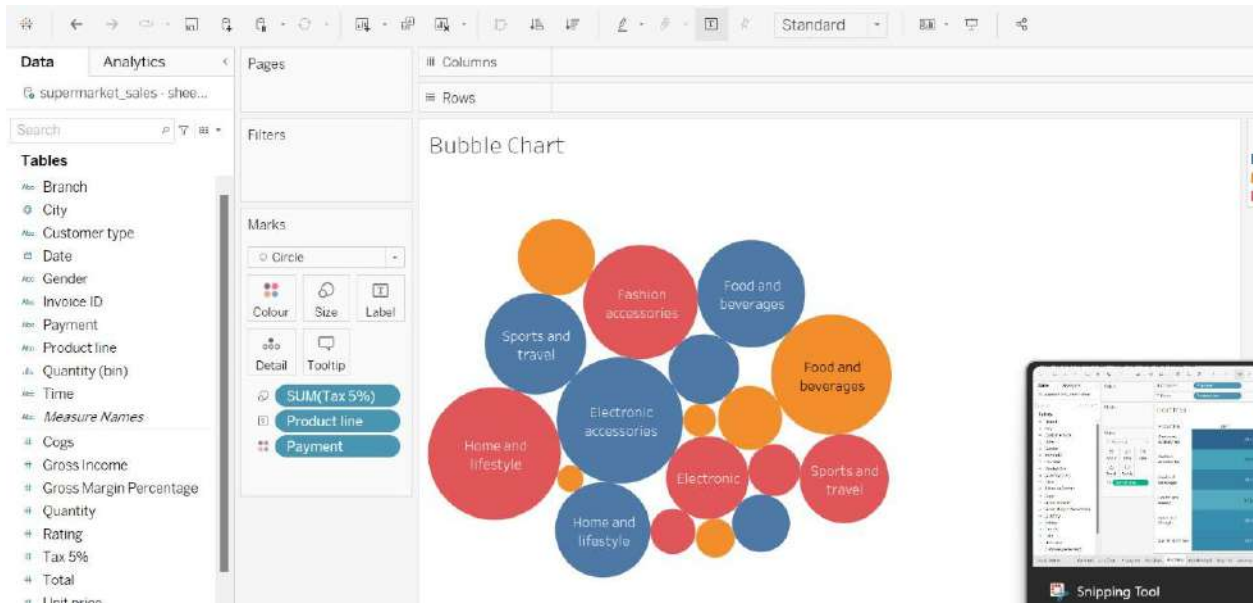
5] PIE CHART



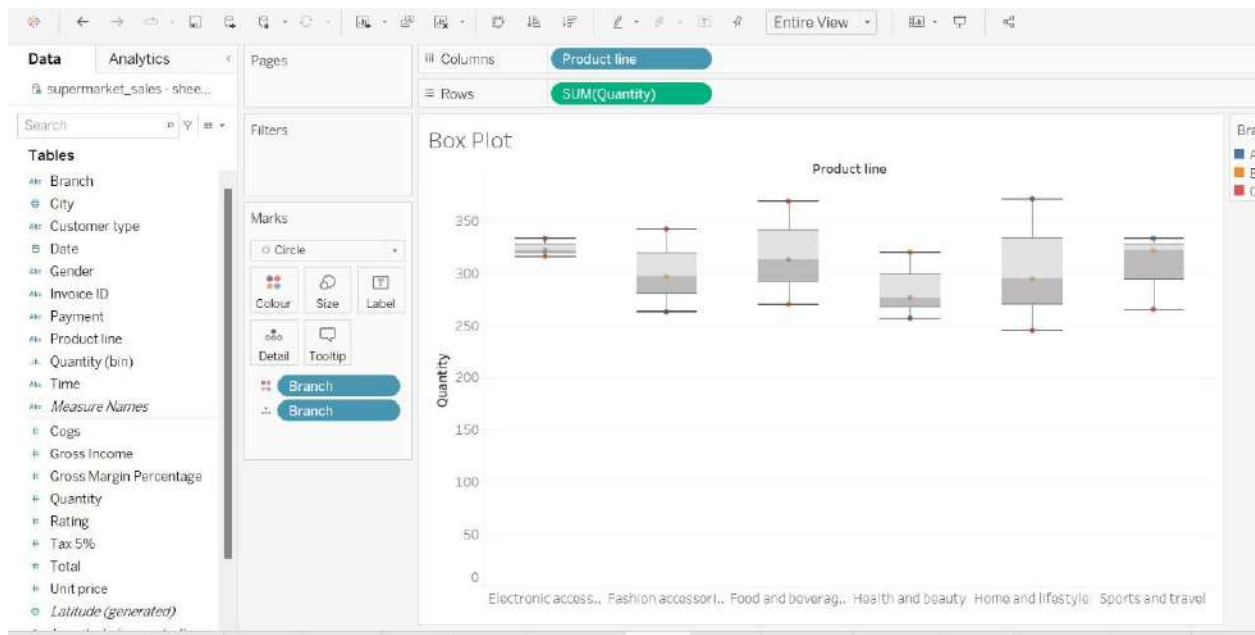
6] HEAT MAP



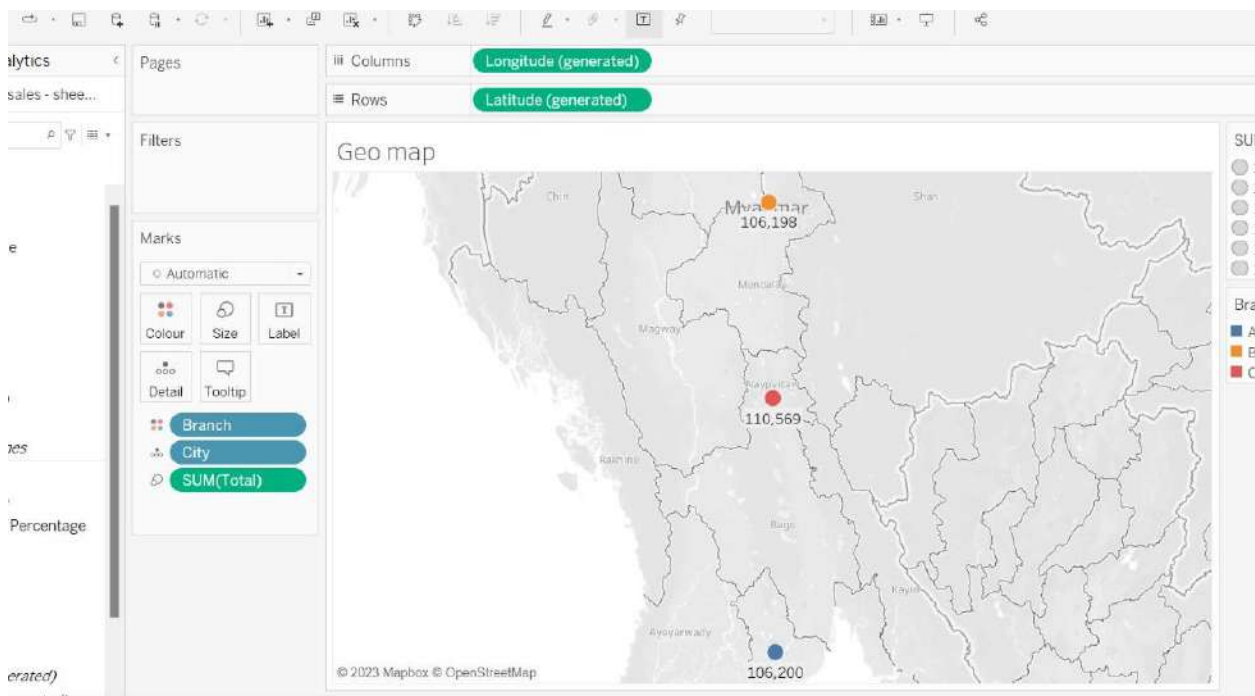
7] BUBBLE CHART



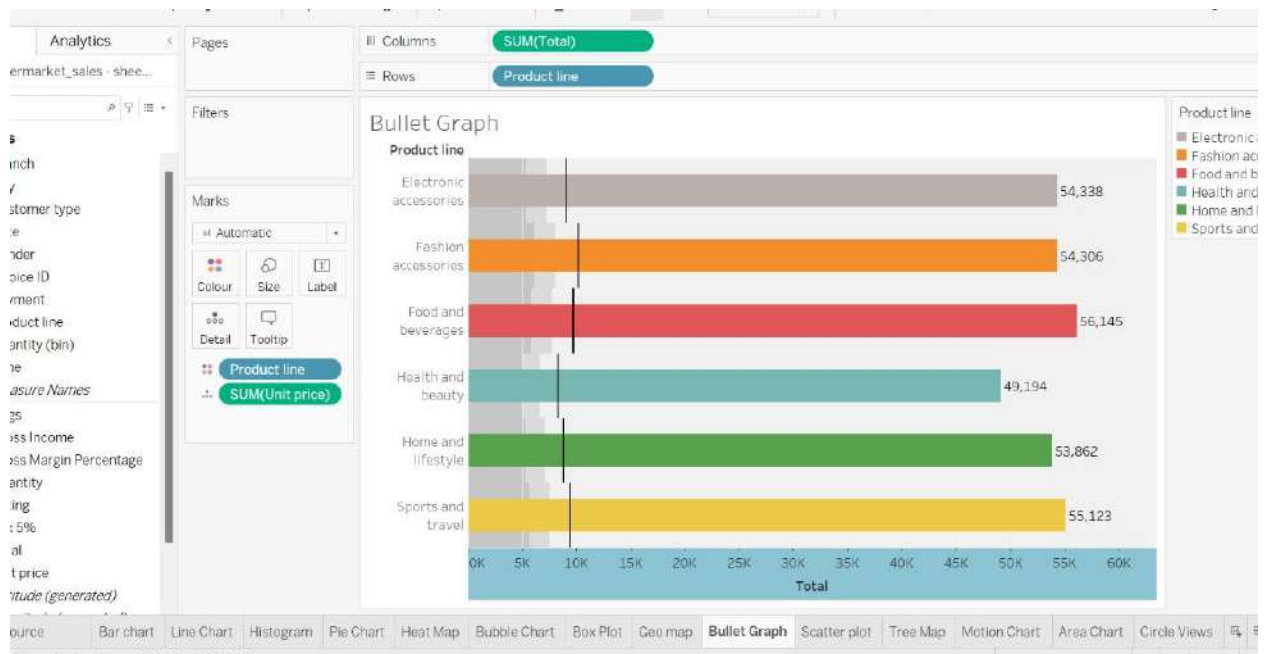
8] BOX PLOT



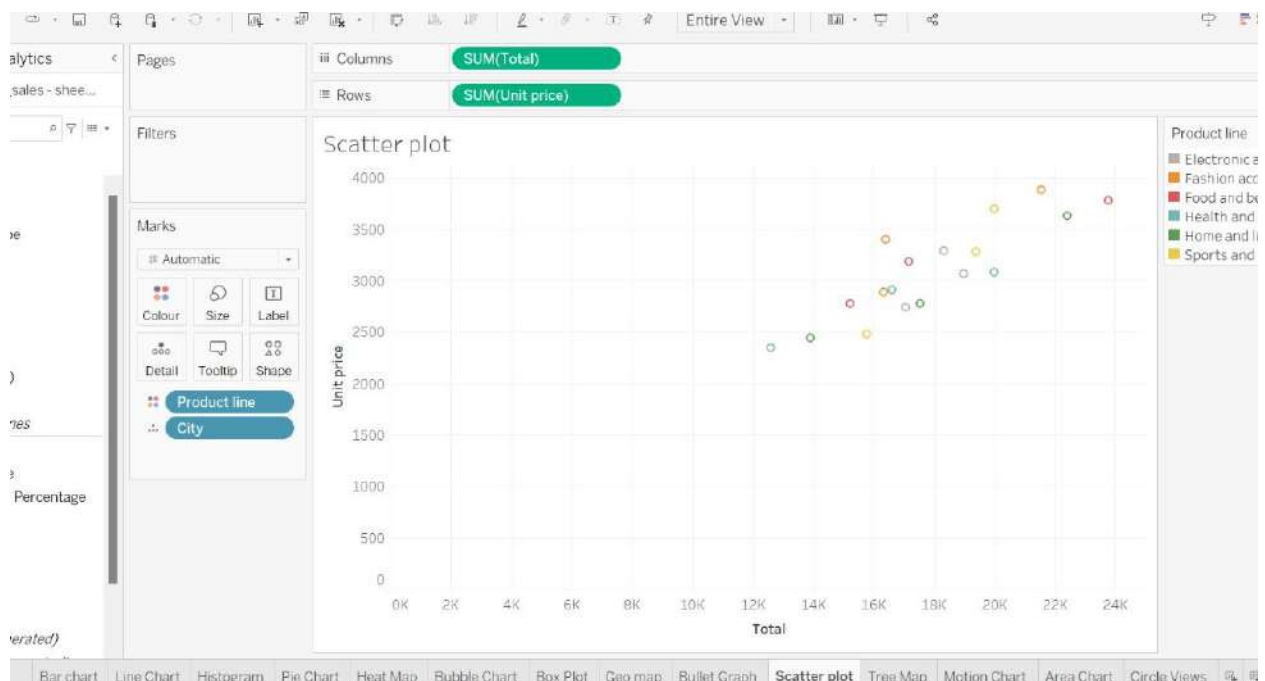
9] GEO MAP



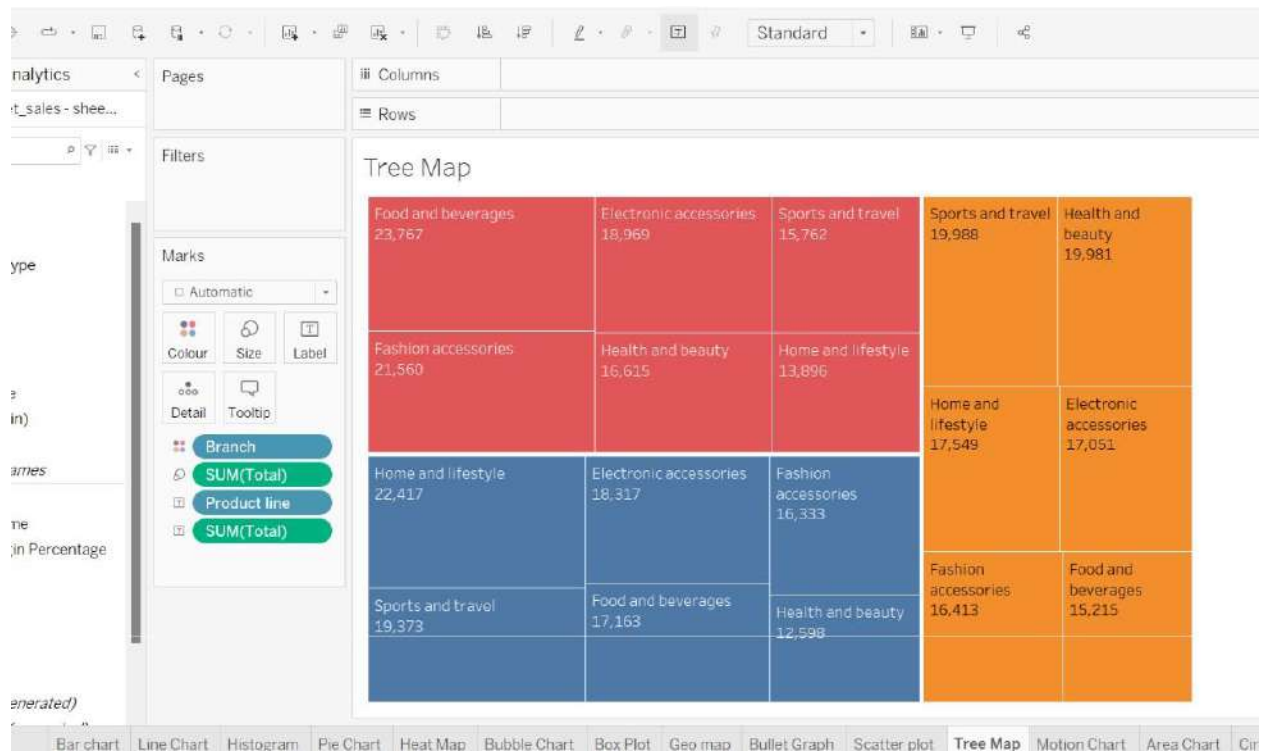
10] BULLET GRAPH



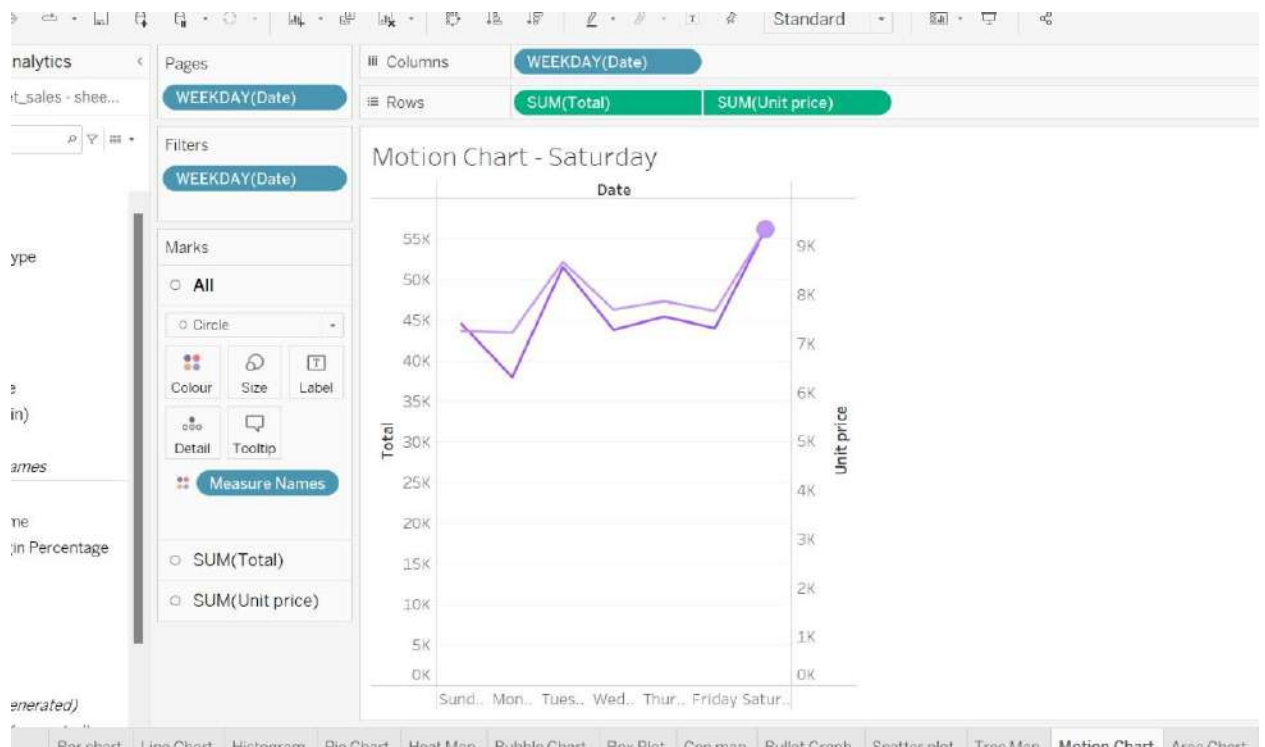
10] SCATTER PLOT



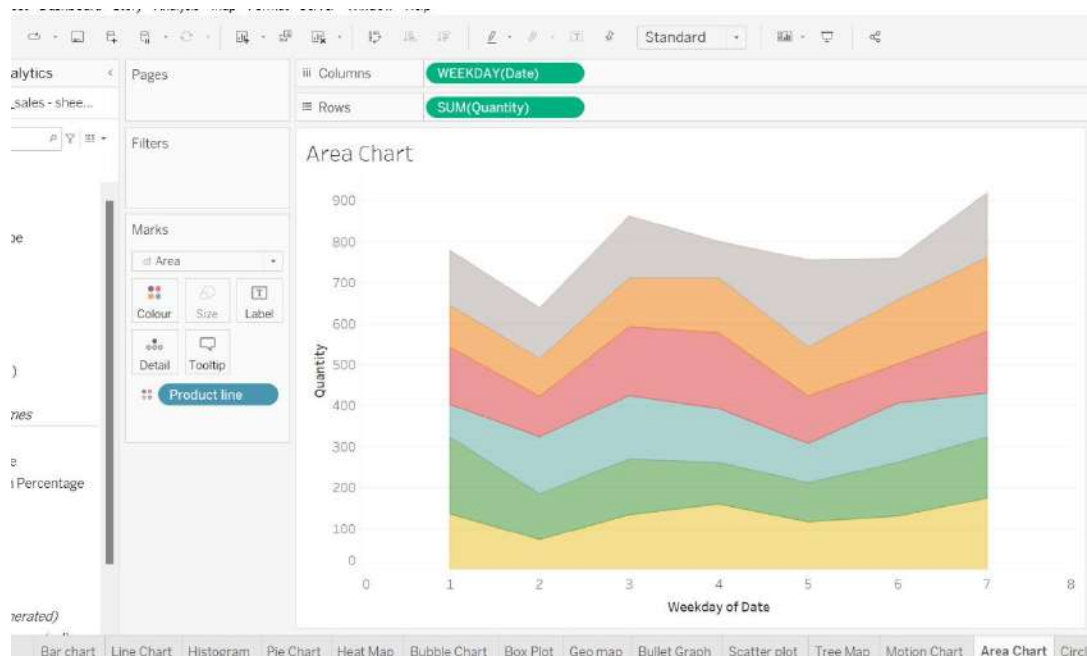
11] TREE MAP



12] MOTION CHART



13] AREA CHART



14] CIRCLE VIEWS

