

Assignment 1

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- 1) Download tableau desktop & Mysql in your PC or laptop
- 2) Create a new schema in your Mysql workbench and upload your data
- 3) Connect your Mysql and Tableau
- 4) Create the below 5 charts/plots
 - Bar chart
 - Tree map
 - Heatmap
 - Pie chart
 - Horizontal bar chart

Creating a new schema and uploading data:

The screenshot displays the MySQL Workbench interface. On the left, the 'SCHEMAS' pane shows a new schema named 'data_analytics' with a table 'sample_super'. The main query editor shows the following SQL code:

```
1 create database superstore;
2 use superstore;
3 select * from sample_super;
4
5
```

The 'Result Grid' shows the following data:

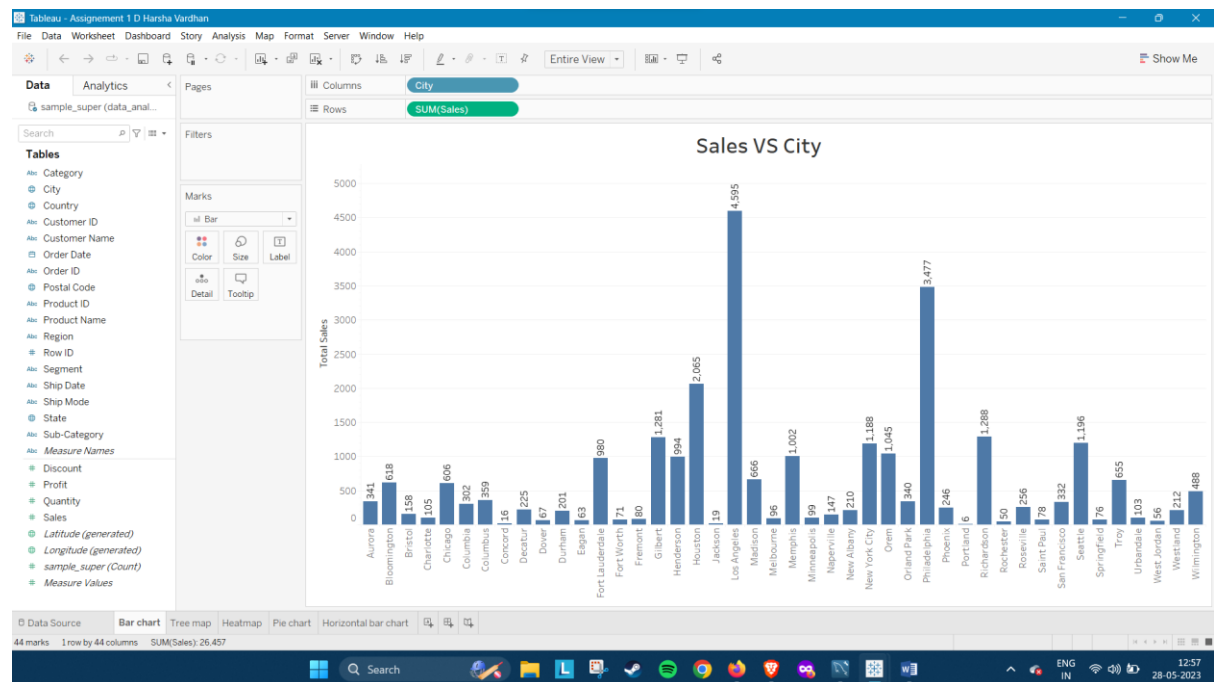
Row ID	Order ID	Order Date	Ship Date	Ship Mode	Customer ID	Customer Name	Segment	Country	City	State	Postal Code
1	CA-2016-152156	11/8/2016	11/11/2016	Second Class	CG-12520	Clare Gule	Consumer	United States	Henderson	Kentucky	42420
2	CA-2016-152156	11/8/2016	11/11/2016	Second Class	CG-12520	Clare Gule	Consumer	United States	Henderson	Kentucky	42420
3	CA-2016-138688	6/12/2016	6/16/2016	Second Class	DV-13045	Darin Van Huff	Corporate	United States	Los Angeles	California	90036
4	US-2015-108966	10/11/2015	10/18/2015	Standard Class	SO-20335	Sean O'Donnell	Consumer	United States	Fort Lauderdale	Florida	33311
5	US-2015-108966	10/11/2015	10/18/2015	Standard Class	SO-20335	Sean O'Donnell	Consumer	United States	Fort Lauderdale	Florida	33311
6	CA-2014-115812	6/9/2014	6/14/2014	Standard Class	BH-11710	Brosina Hoffman	Consumer	United States	Los Angeles	California	90032
7	CA-2014-115812	6/9/2014	6/14/2014	Standard Class	BH-11710	Brosina Hoffman	Consumer	United States	Los Angeles	California	90032
8	CA-2014-115812	6/9/2014	6/14/2014	Standard Class	BH-11710	Brosina Hoffman	Consumer	United States	Los Angeles	California	90032
9	CA-2014-115812	6/9/2014	6/14/2014	Standard Class	BH-11710	Brosina Hoffman	Consumer	United States	Los Angeles	California	90032
10	CA-2014-115812	6/9/2014	6/14/2014	Standard Class	BH-11710	Brosina Hoffman	Consumer	United States	Los Angeles	California	90032

The bottom pane shows the 'Output' tab with the following message:

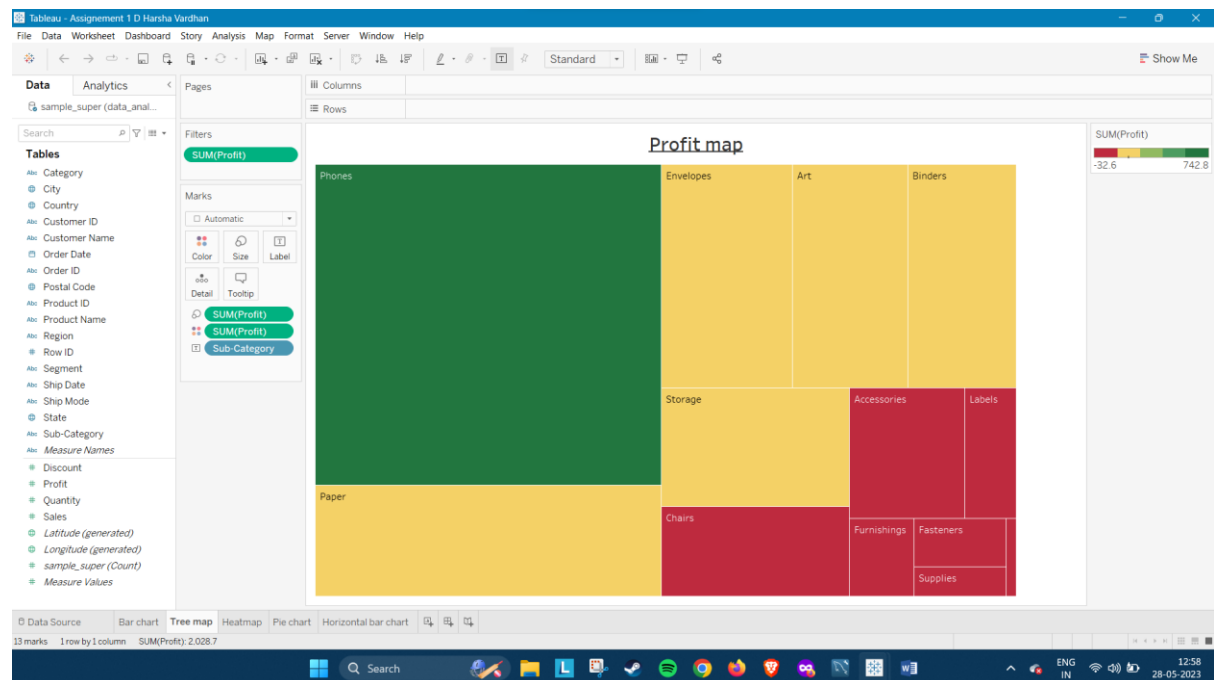
```
1 13:00:24 select * from sample_super LIMIT 0, 1000
```

The message indicates that 130 row(s) were returned. The duration of the query was 0.546 sec / 0.016 sec.

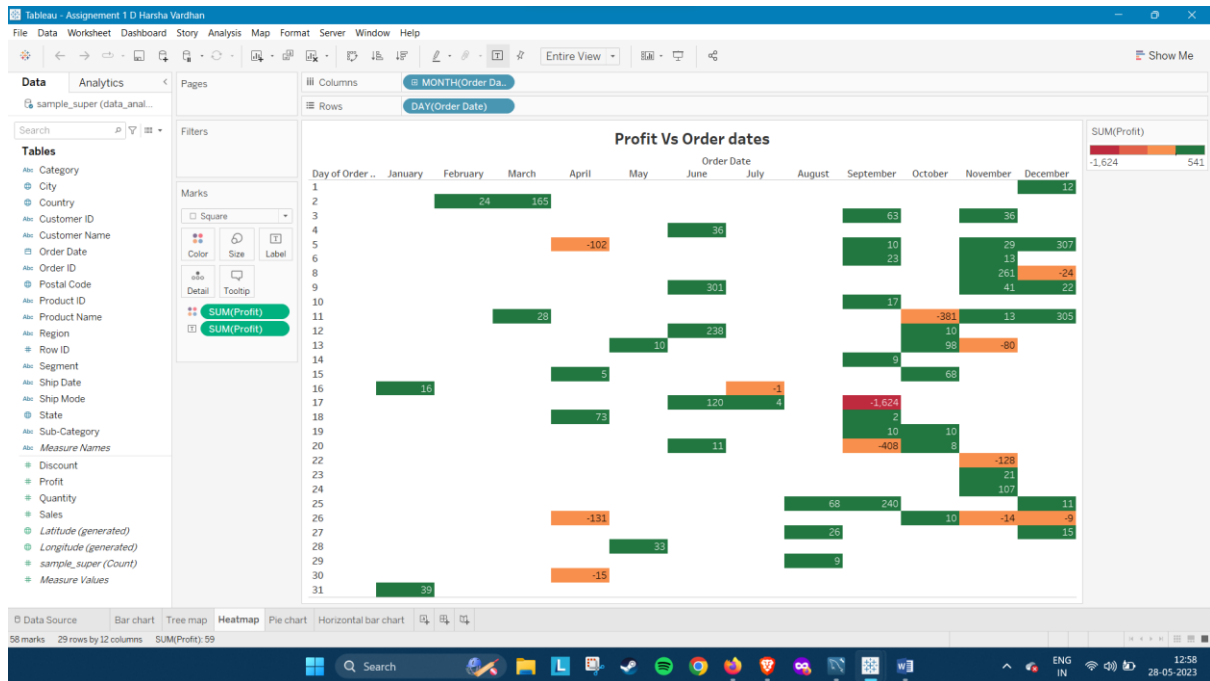
Bar Chart:



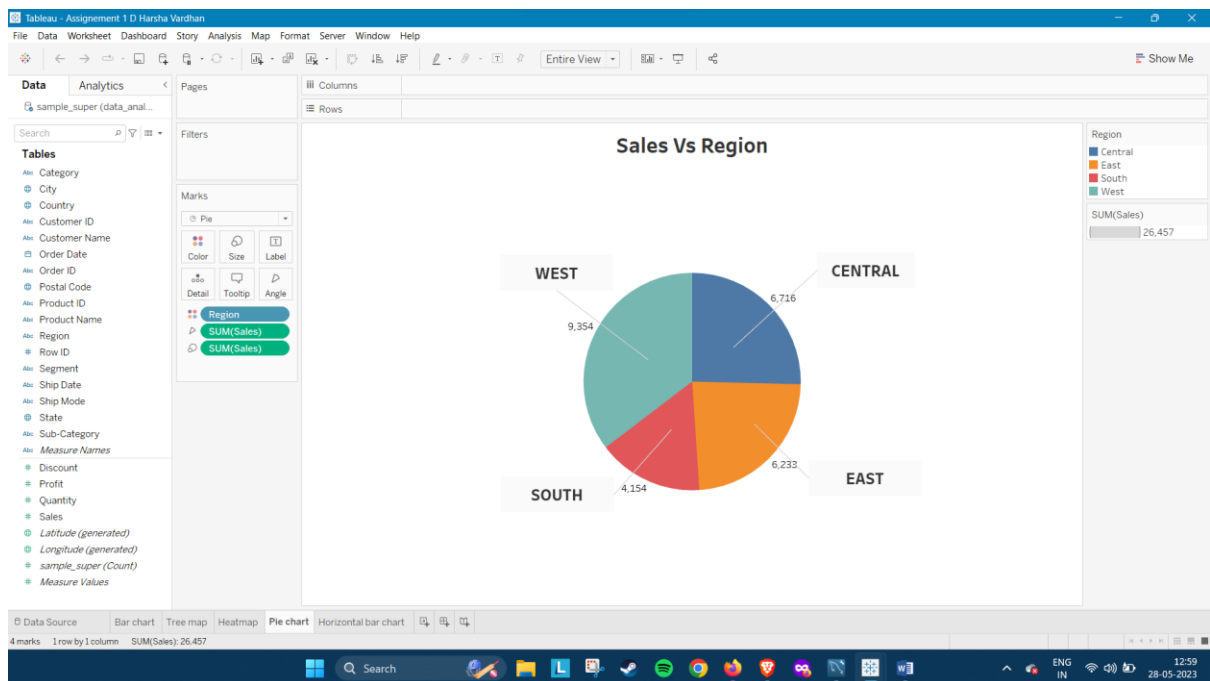
Tree Map:



Heat Map



Pie Chart



Horizontal Bar chart

