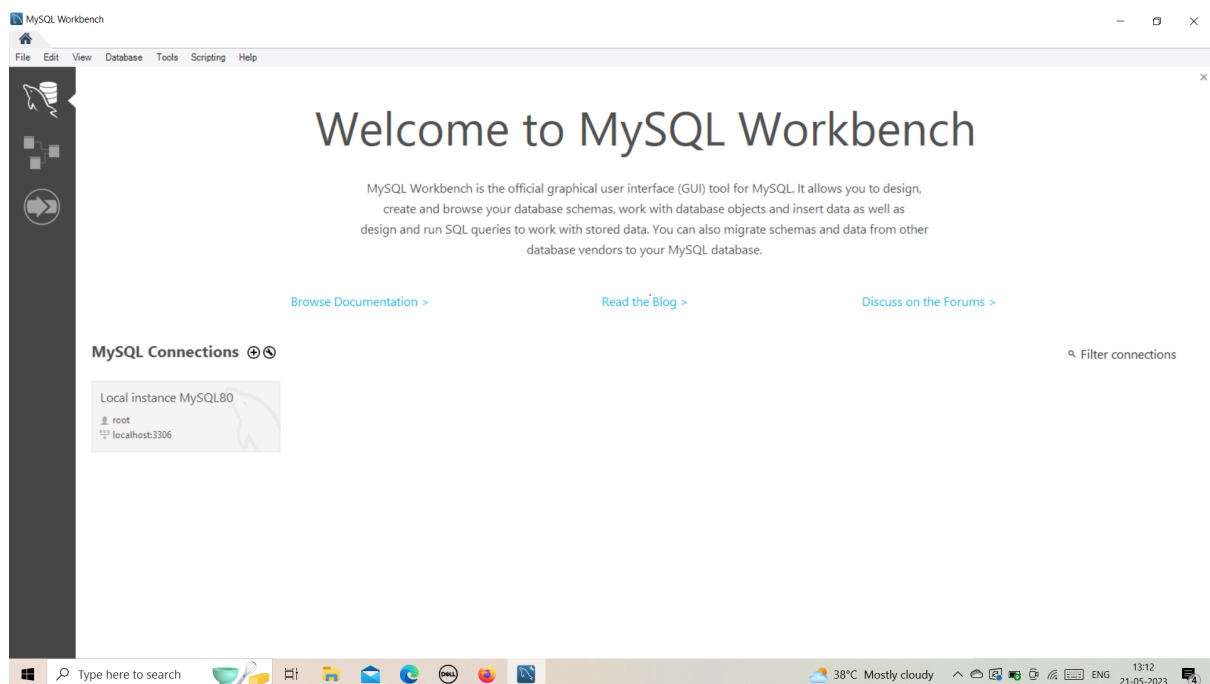


# Assignment -1

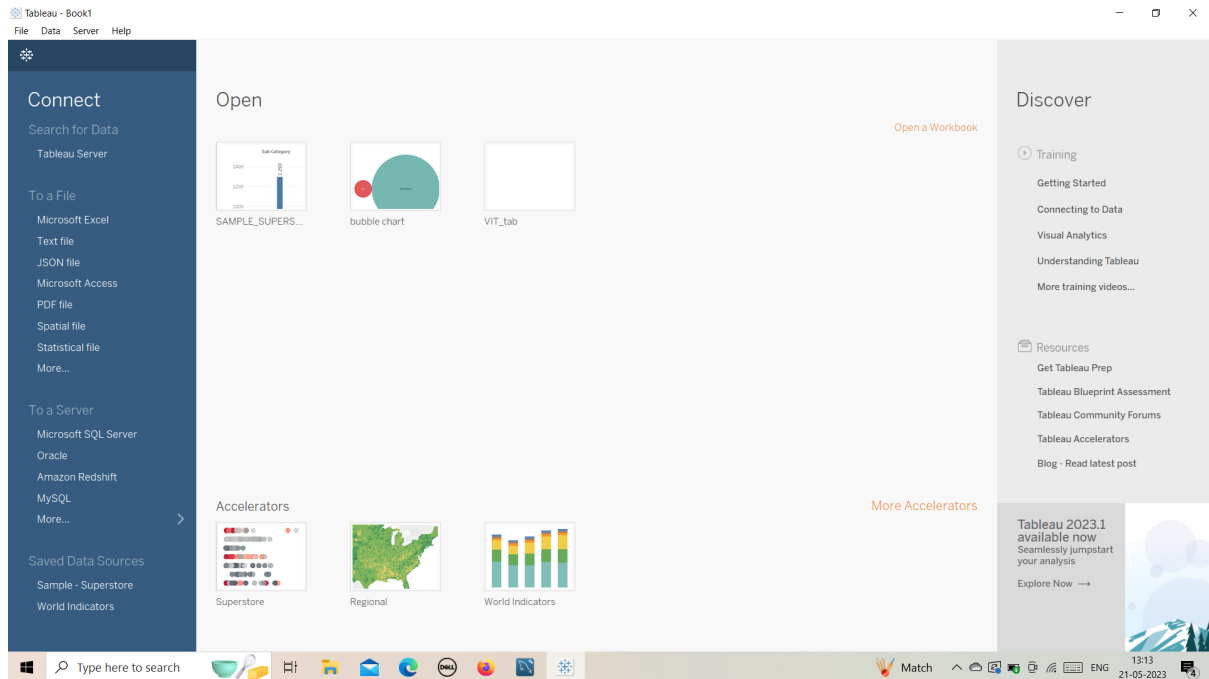
SWATHI BAIJU  
20BCE0749  
VIT , VELLORE

1) Download tableau desktop & Mysql in your PC or laptop

Mysql

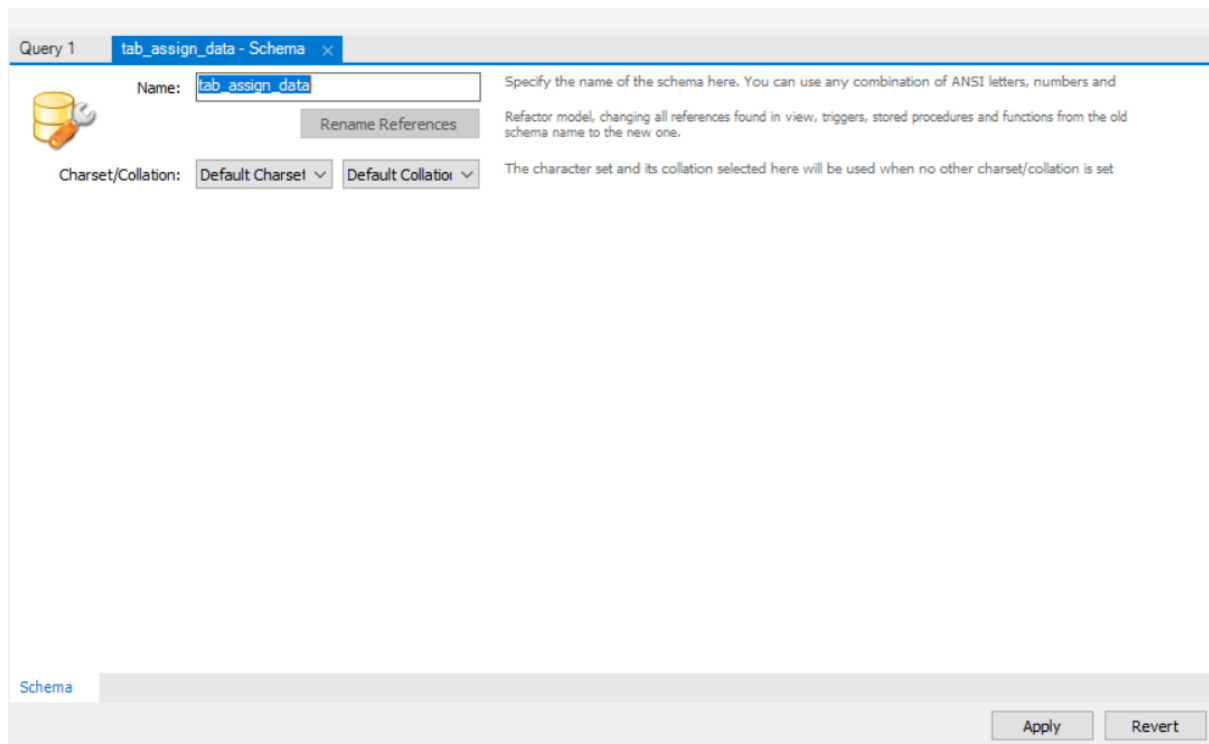


# Tableau Desktop



2) Create a new schema in your Mysql workbench and upload your data

Created a new schema named tab\_\_assign\_\_data in Mysql and sample\_\_superstore data is uploaded.





### Review SQL Script

Apply SQL Script

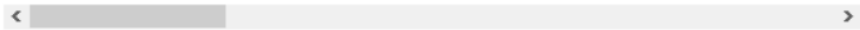
### Review the SQL Script to be Applied on the Database

Online DDL

Algorithm:

Lock Type:

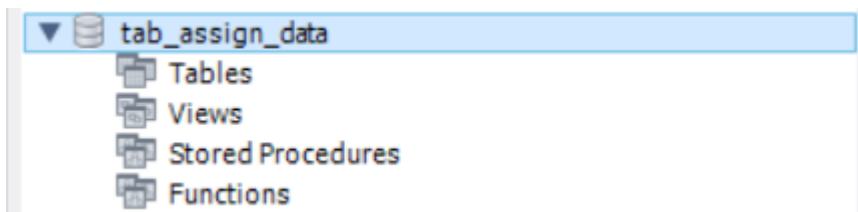
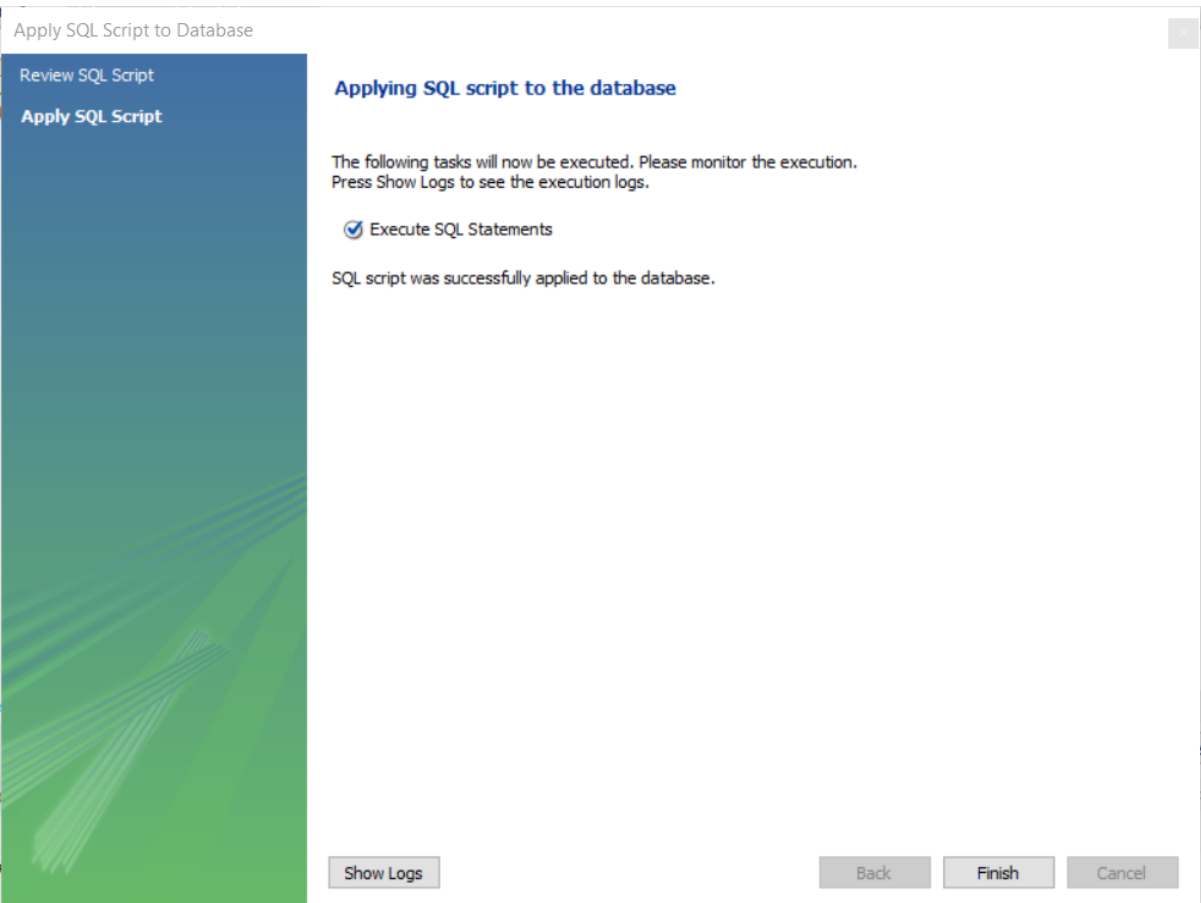
```
1 CREATE SCHEMA `tab_assign_data` ;  
2
```



Back

Apply

Cancel



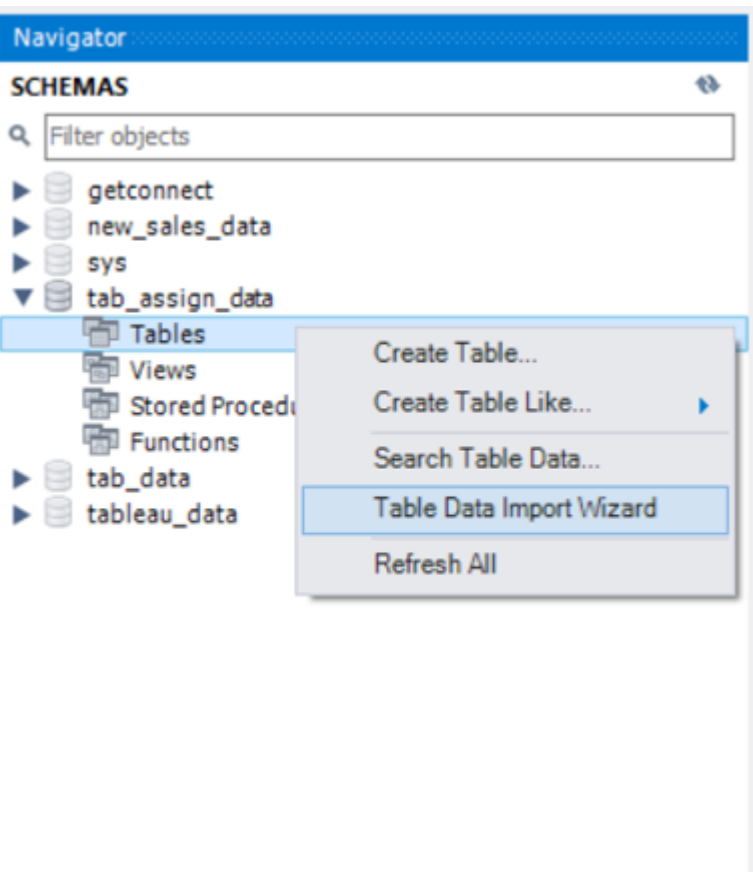


Table Data Import

Select File to Import

Table Data Import allows you to easily import CSV, JSON datafiles.  
You can also create destination table on the fly.

File Path: C:\Users\Dell\Downloads\Sample - Superstore.csv

Browse...

< Back

Next >

Cancel

**Select Destination****Select destination table and additional options.**

- ☐ Use existing table:
- ☒ Create new table:  .
- ☐ Drop table if exists


&lt; Back

Next &gt;







Cancel



## Configure Import Settings

Detected file format: csv Encoding: utf-8 

## Columns:

<input checked="" type="checkbox"/> Source Column	Field Type
<input checked="" type="checkbox"/> Row ID	int 
<input checked="" type="checkbox"/> Order ID	text 
<input checked="" type="checkbox"/> Order Date	text 
<input checked="" type="checkbox"/> Ship Date	text 
<input checked="" type="checkbox"/> Ship Mode	text 
<input checked="" type="checkbox"/> Customer ID	text 

Row ID	Order ID	Order Date	Ship Date	Ship Mode	Customer ID	Customer ...	Segment	Country	City
1	CA-2016-15...	11/8/2016	11/11/2016	Second Class	CG-12520	Claire Gute	Consumer	United States	Hender
2	CA-2016-15...	11/8/2016	11/11/2016	Second Class	CG-12520	Claire Gute	Consumer	United States	Hender
3	CA-2016-13...	6/12/2016	6/16/2016	Second Class	DV-13045	Darrin Van...	Corporate	United States	Los Ang
4	US-2015-10...	10/11/2015	10/18/2015	Standard Cl...	SO-20335	Sean O'Don...	Consumer	United States	Fort Lai

&lt; Back

Next &gt;

Cancel

## Import Data

The following tasks will now be performed. Please monitor the execution.

- ☐ Prepare Import
- ☐ Import data file

Click [Next >] to execute.

Show Logs

< Back

Next >

Cancel

**Import Data**

The following tasks will now be performed. Please monitor the execution.

- ✓ Prepare Import
- ✓ Import data file

Finished performing tasks. Click [Next >] to continue.

[Show Logs](#)[< Back](#)[Next >](#)[Cancel](#)

### Import Results

File C:\Users\Dell\Downloads\Sample - Superstore.csv was imported in 2.314 s

Table tab\_assign\_data.sample \_superstore was created

138 records imported

< Back

Finish

Cancel

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

getconnect

new\_sales\_data

sys

tab\_assign\_data

Tables

superstore

Views

Stored Procedures

Functions

tab\_data

tableau\_data

Query: 1 x tab\_assign\_data - Schema

1 use tab\_assign\_data;

2 SELECT \* FROM superstore;

Limit to 1000 rows

Result Grid

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

superstore1 x

Administration Schemas

Information

Schema: tab\_assign\_data

Object Info Session

Output

Action Output

#	Time	Action	Message	Duration / Fetch
38	13:32:06	SHOW TABLES FROM 'tab_assign_data' like 'superstore'	OK	0.000 sec
39	13:32:10	CREATE TABLE 'tab_assign_data'. 'superstore' ( 'Row ID' int, 'Order ID' text, 'Order Date' text, ...	OK	0.000 sec
40	13:32:10	PREPARE stmt FROM 'INSERT INTO 'tab_assign_data'. 'superstore' ( 'Row ID', 'Order ID', 'Order...	OK	0.000 sec
41	13:32:12	DEALLOCATE PREPARE stmt	OK	0.000 sec
42	13:32:30	use tab_assign_data	0 row(s) affected	0.016 sec
43	13:32:30	SELECT * FROM superstore LIMIT 0, 1000	138 row(s) returned	0.000 sec / 0.000 sec

Read Only Context Help Snippets

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

Type here to search

38°C Mostly cloudy

13:32 21-05-2023

### 3) Connect your Mysql and Tableau

Tableau - Book1

File Data Server Help

Connect

Search for Data

Tableau Server

To a File

Microsoft Excel

Text file

JSON file

Microsoft Access

PDF file

Spatial file

Statistical file

More...

To a Server

Microsoft SQL Server

Oracle

Amazon Redshift

MySQL

More...

Saved Data Sources

Sample - Superstore

World Indicators

Open

SAMPLE\_SUPERS...

bubble chart

Accelerators

Superstore

Regional

World Indicators

MySQL

General Initial SQL

Server localhost

Port 3306

Database tab\_assign\_data

Username root

Password

Require SSL

Sign In

Open a Workbook

Discover

Training

Getting Started

Connecting to Data

Visual Analytics

Understanding Tableau

More training videos...

Resources

Get Tableau Prep

Tableau Blueprint Assessment

Tableau Community Forums

Tableau Accelerators

Blog - Read latest post

Tableau 2023.1 available now

Seamlessly jumpstart your analysis

Explore Now

Type here to search

38°C Mostly cloudy

13:36 21-05-2023

Tableau - Book1

FileDataServerWindowHelp

localhostMySQL

tab\_assign\_data

superstore

New Custom SQLNew UnionNew Table Extension

superstore

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

superstore

21 fields 138 rows

100rows

#	superstore	Order ID	Order Date	Ship Date	Ship Mode	Customer ID	Customer Name	Support
1	CA-2016-152156	11/8/2016	11/11/2016	Second Class	CG-12520	Claire Gute		
2	CA-2016-152156	11/8/2016	11/11/2016	Second Class	CG-12520	Claire Gute		
3	CA-2016-138688	6/12/2016	6/16/2016	Second Class	DV-13045	Darrin Van Huff		
4	US-2015-108966	10/11/2015	10/18/2015	Standard Class	SO-20335	Sean O'Donnell		
5	US-2015-108966	10/11/2015	10/18/2015	Standard Class	SO-20335	Sean O'Donnell		
6	CA-2014-115812	6/9/2014	6/14/2014	Standard Class	BH-11710	Brosina Hoffman		

Go to Worksheet

Data SourceSheet 1

Type here to search

38°C Mostly cloudy

ENG13:3721-05-2023

Tableau - Book1

FileDataServerWindowHelp

localhostMySQL

tab\_assign\_data

superstore

New Custom SQLNew UnionNew Table Extension

superstore

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

superstore

21 fields 138 rows

100rows

#	superstore	Order ID	Order Date	Ship Date	Ship Mode	Customer ID	Customer Name	Support
1	CA-2016-152156	11/8/2016	11/11/2016	Second Class	CG-12520	Claire Gute		
2	CA-2016-152156	11/8/2016	11/11/2016	Second Class	CG-12520	Claire Gute		
3	CA-2016-138688	6/12/2016	6/16/2016	Second Class	DV-13045	Darrin Van Huff		
4	US-2015-108966	10/11/2015	10/18/2015	Standard Class	SO-20335	Sean O'Donnell		
5	US-2015-108966	10/11/2015	10/18/2015	Standard Class	SO-20335	Sean O'Donnell		
6	CA-2014-115812	6/9/2014	6/14/2014	Standard Class	BH-11710	Brosina Hoffman		

Go to Worksheet

Data SourceSheet 1

Type here to search

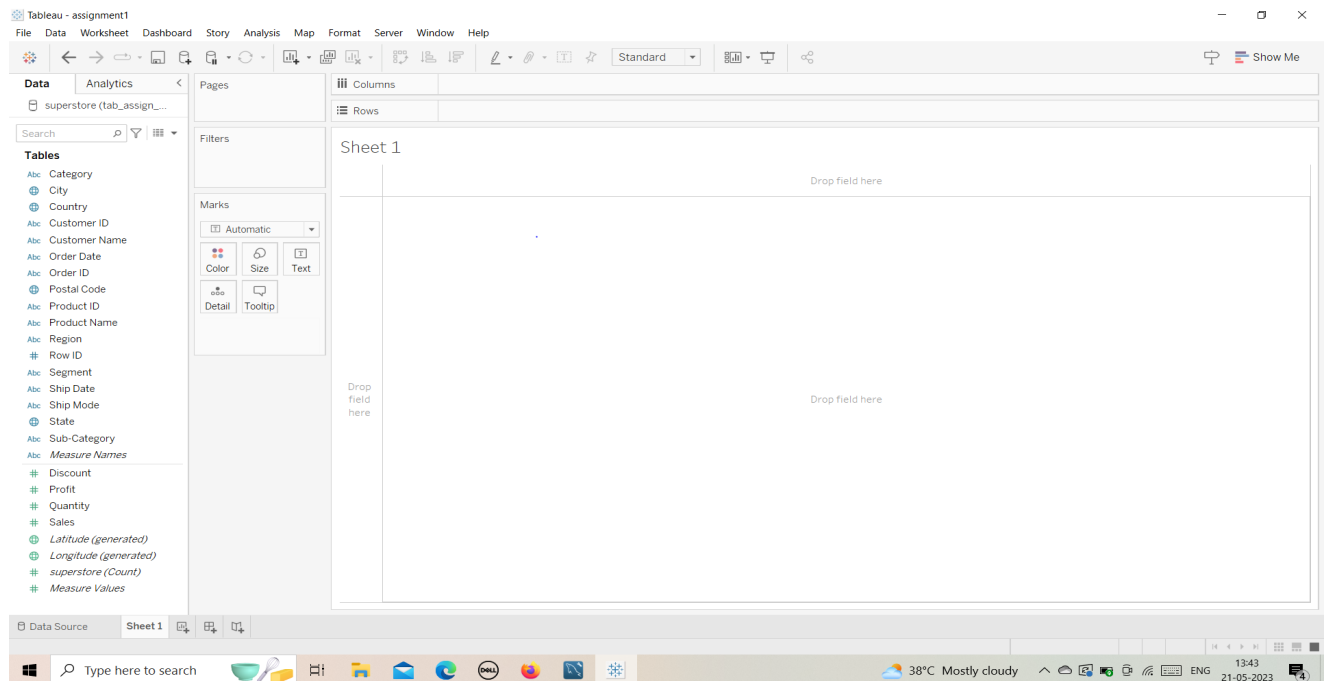
38°C Mostly cloudy

ENG13:3721-05-2023

#### 4) Create the below 5 charts/plots

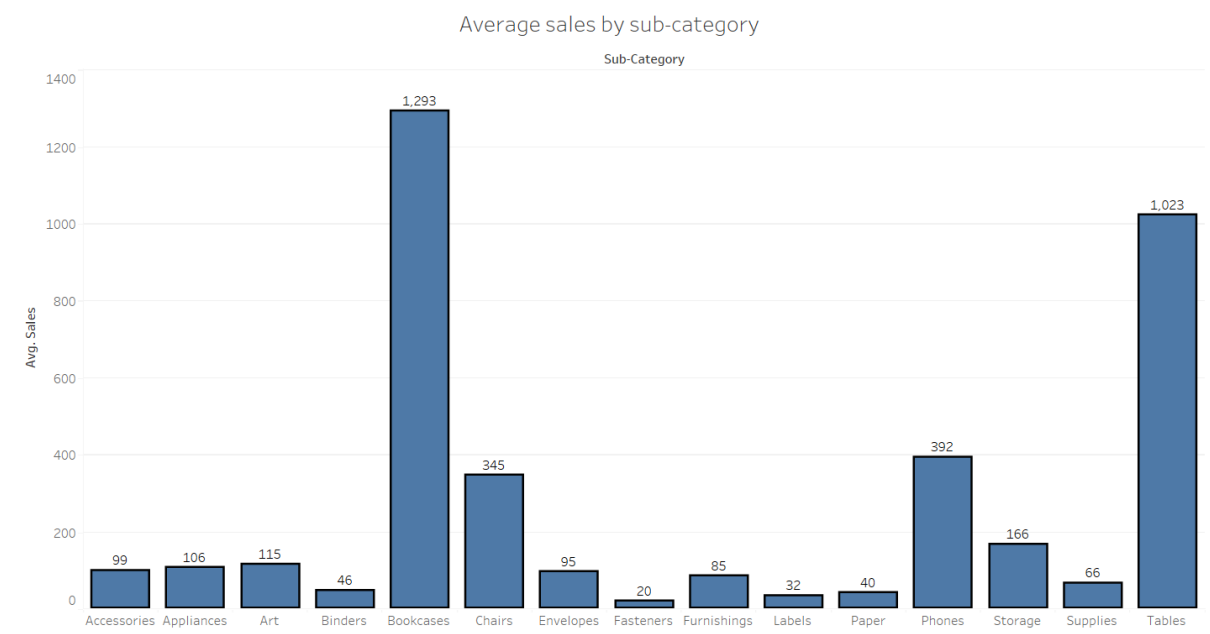
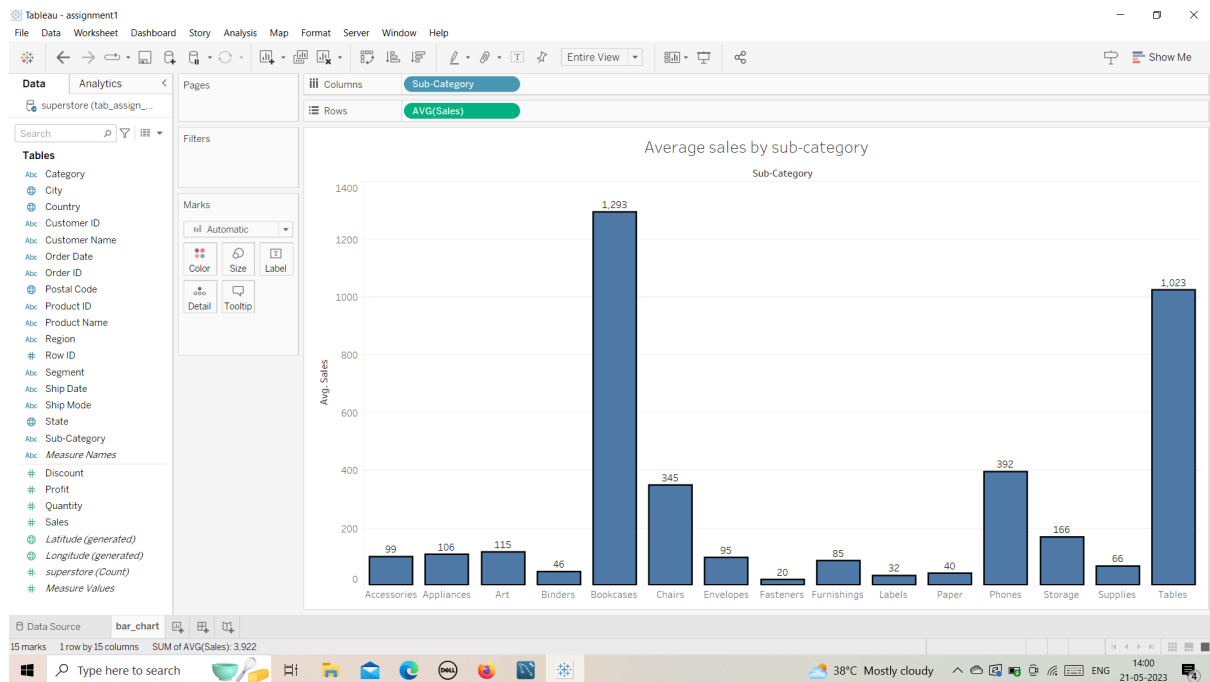
- Bar chart
- Tree map
- Heatmap
- Pie chart
- Horizontal bar chart

A tableau workbook is saved as assignment1.



- Bar chart

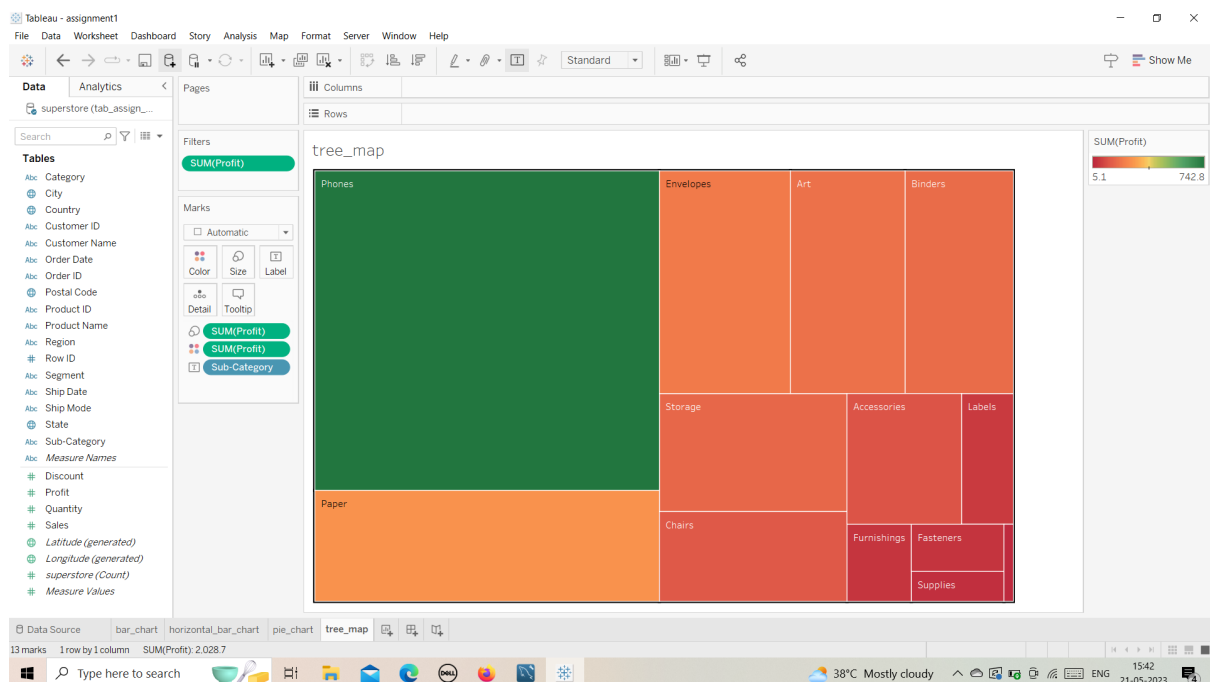
A sub-category (dimension in column) vs average of sales (measure in rows) bar chart has been created. Bookcases has max average sales(1293).

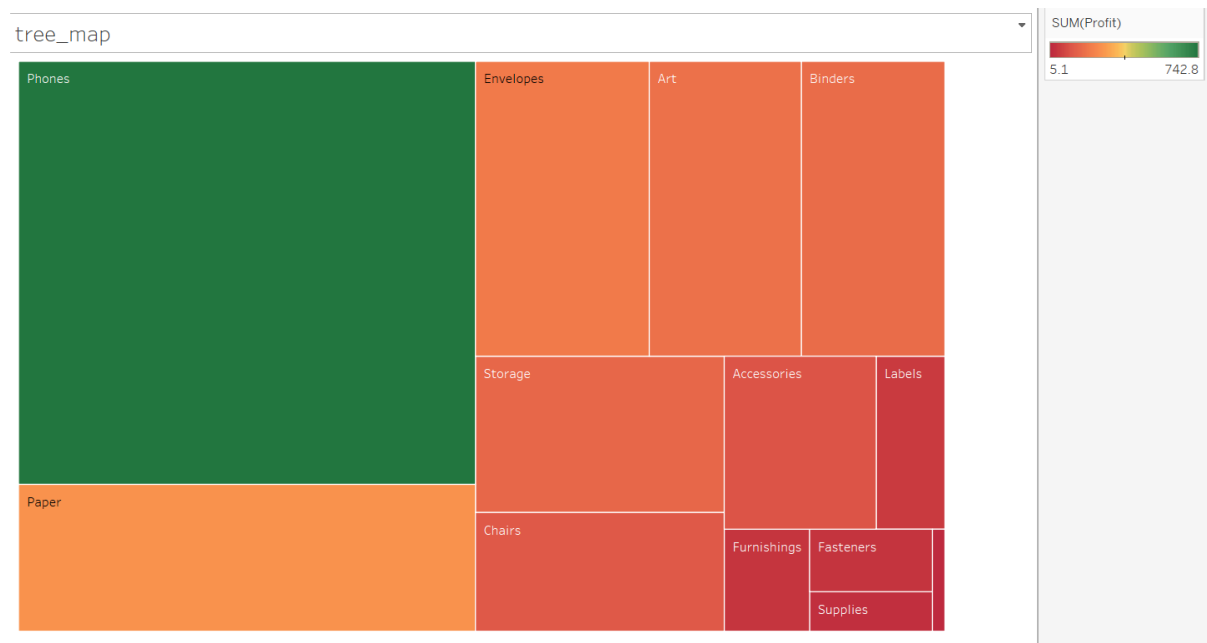




- Tree map

A tree map has been created to show the profit for different sub categories . Here category of phones has the max profit(742.8) and that rectangle is of the maximum size and green colour . And category of appliances has the min profit(5.1) and that rectangle is having the min size.





## • Heatmap

A heatmap created to show the comparison among four fields  
sub-category , region , profit , and sales .

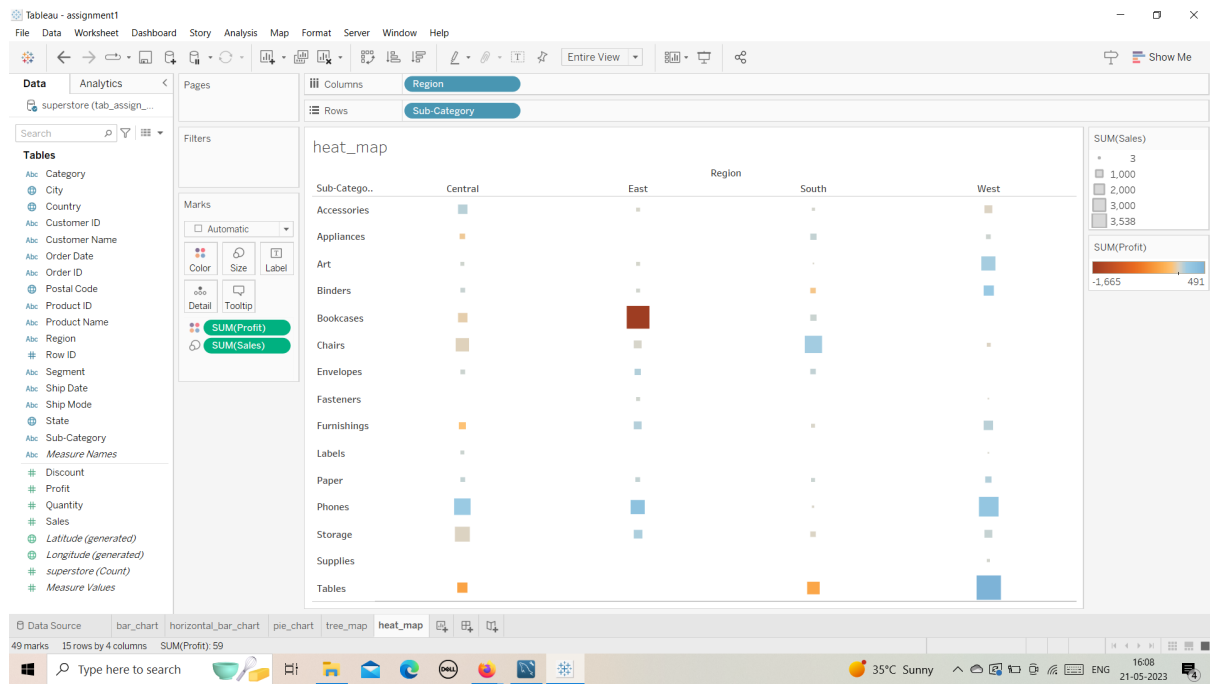
Sub-category in the row

Region in the column

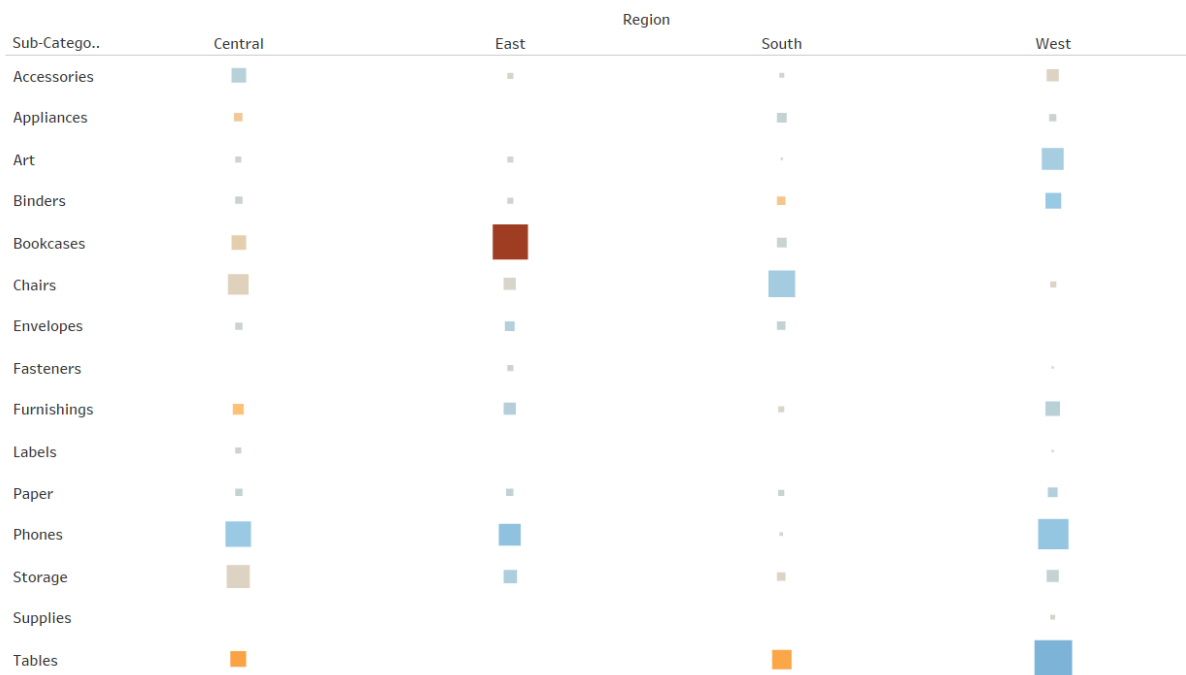
Profit determines colour

Sales determine size

Here max profit(491) and sales(3538) is possessed by tables in  
the west region.

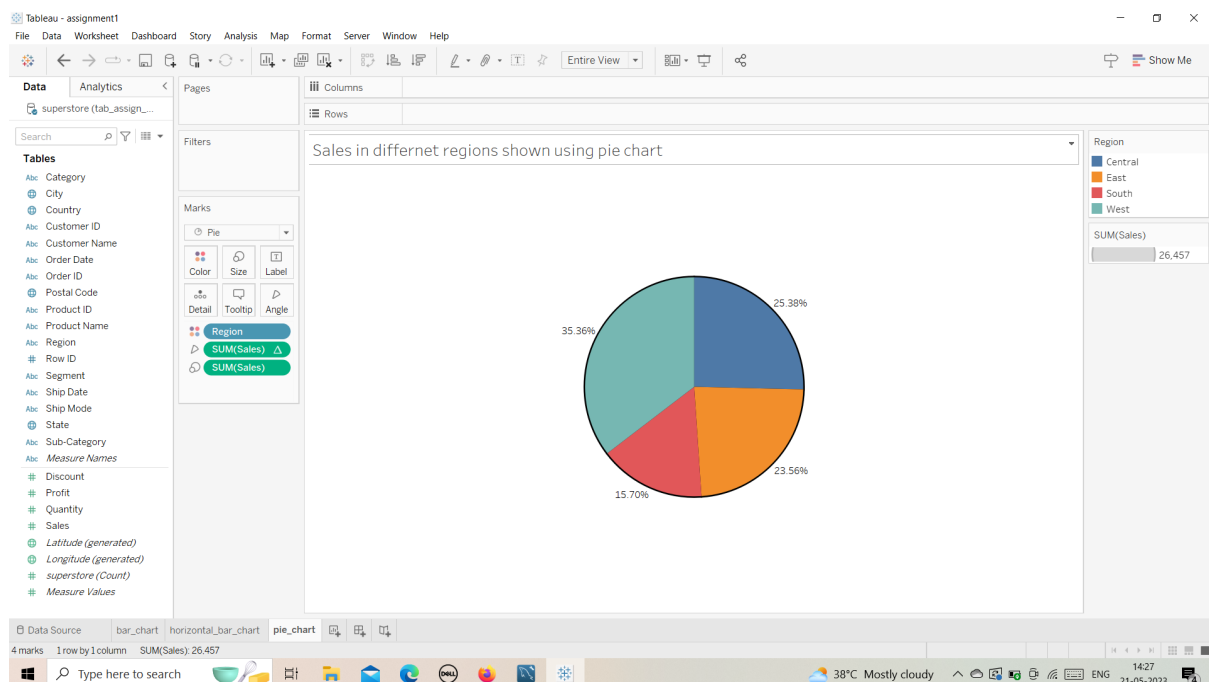


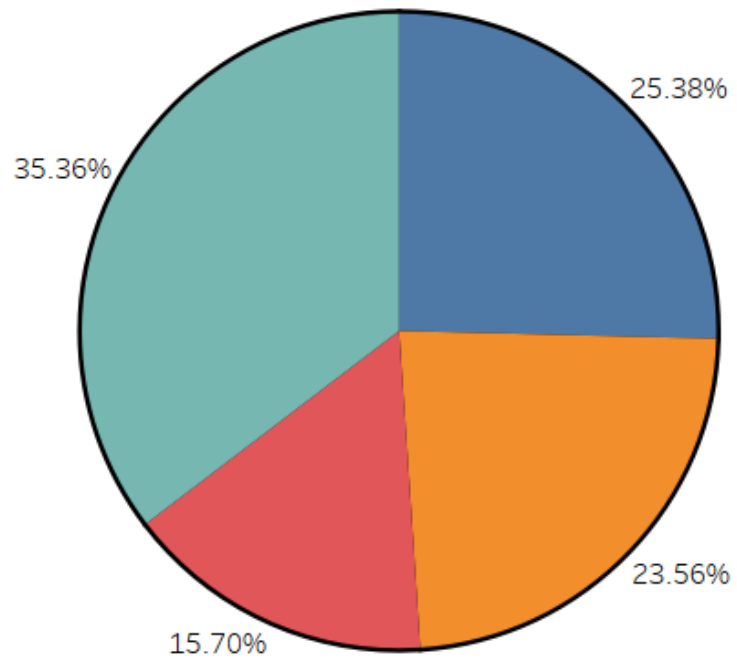
heat\_map



## ● Pie chart

A pie chart showing the sales in different regions . For each region the percentage of total sales is shown . Here as per the pie chart west region(light blue in colour) has maximum sales of 35.36 % of the total sales.





Region

Central

East

South

West

SUM(Sales)



26,457

- Horizontal bar chart

A average sales vs subcategory horizontal bar chart is created .  
And bookcases has max average sales(1293).

