



---

# DATA ANALYTICS

---

## ASSIGNMENT 1



INSHA FATIMA

20BEE0372


SMART BRIDGE EXTERNSHIP PROGRAM

# 1. Download Tableau Desktop and MySQL in your PC or Laptop

## Tableau Desktop Download

STEP 1: Go to Google chrome and type Tableau Desktop download. It will open page fill in your details with your college mail id and download.

salesforce

 + a b l e a u

PRICING SIGN IN

Why Tableau Products Solutions Resources Partners

CONTACT SALES TRY NOW

### Tableau Desktop: Start your free 14-day trial

Almost there!

It only takes 15 seconds to fill out. If you're already registered, [sign in](#).

First Name

Insha

Last Name

fatima

Business E-mail

insha.fatima2020@vitstudent.ac.in

Organization

Vellore Institute of Technology

Company Size

21 - 200 employees

Department

Analytics

Department

Analytics

Job Role

Analyst

Country/Region

India

Phone

+91 73376 59542

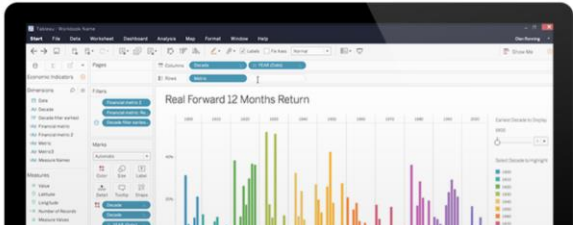
By registering, you confirm that you agree to the processing of your personal data by Salesforce as described in the [Privacy Statement](#).

DOWNLOAD FREE TRIAL

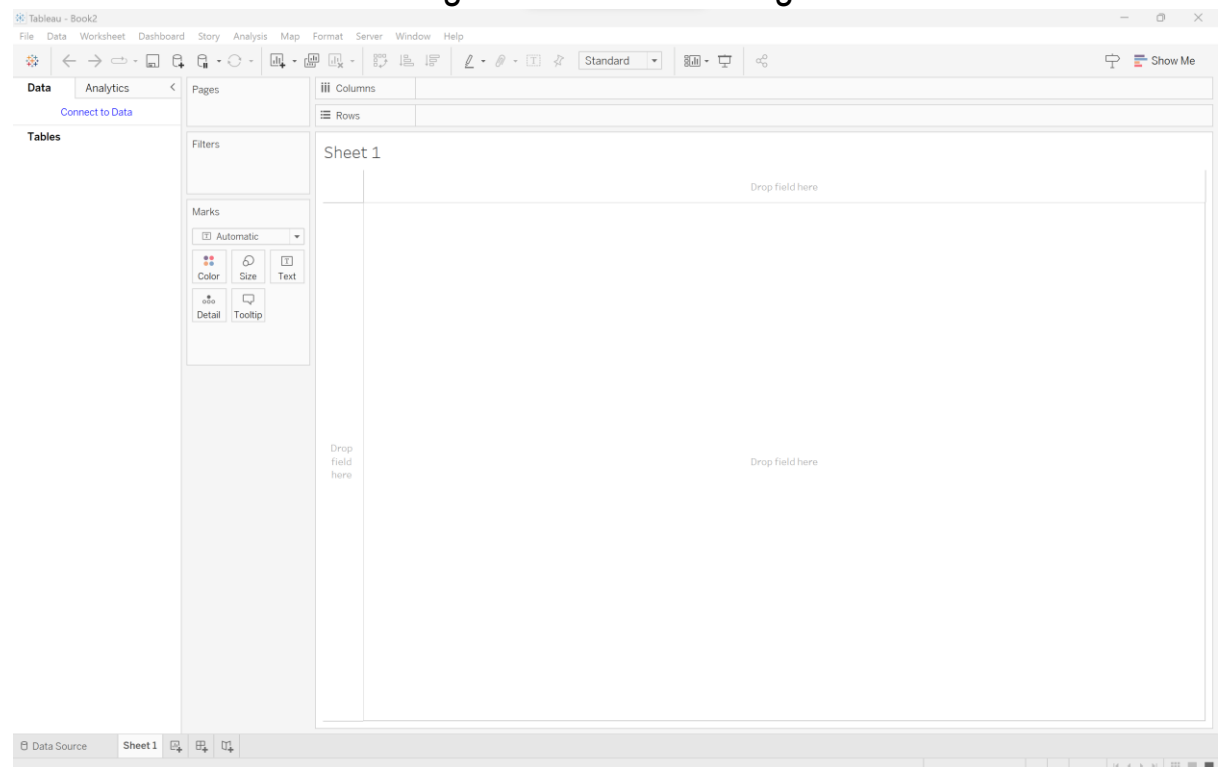
[WE RESPECT YOUR PRIVACY](#) | [HAVING TROUBLE?](#)

STUDENT OR TEACHER? GET A FREE 1-YEAR LICENSE. [LEARN](#)

MORE →

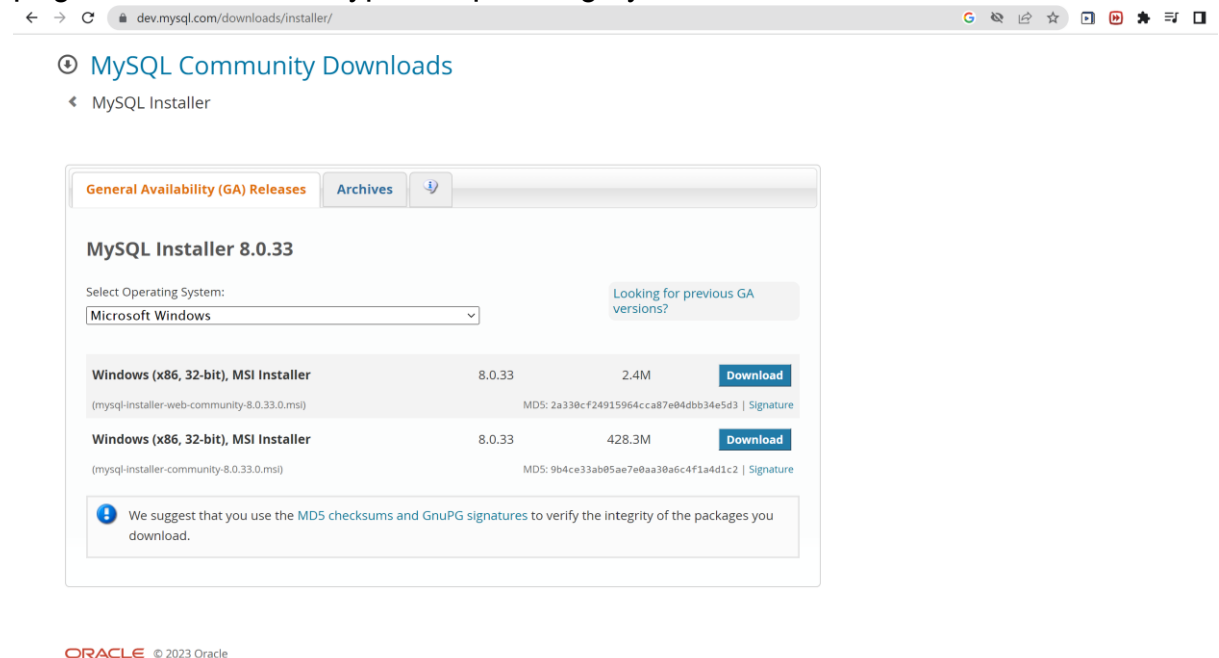


STEP 2: Once downloaded start installing process and complete the download. After downloading it will look something like this.

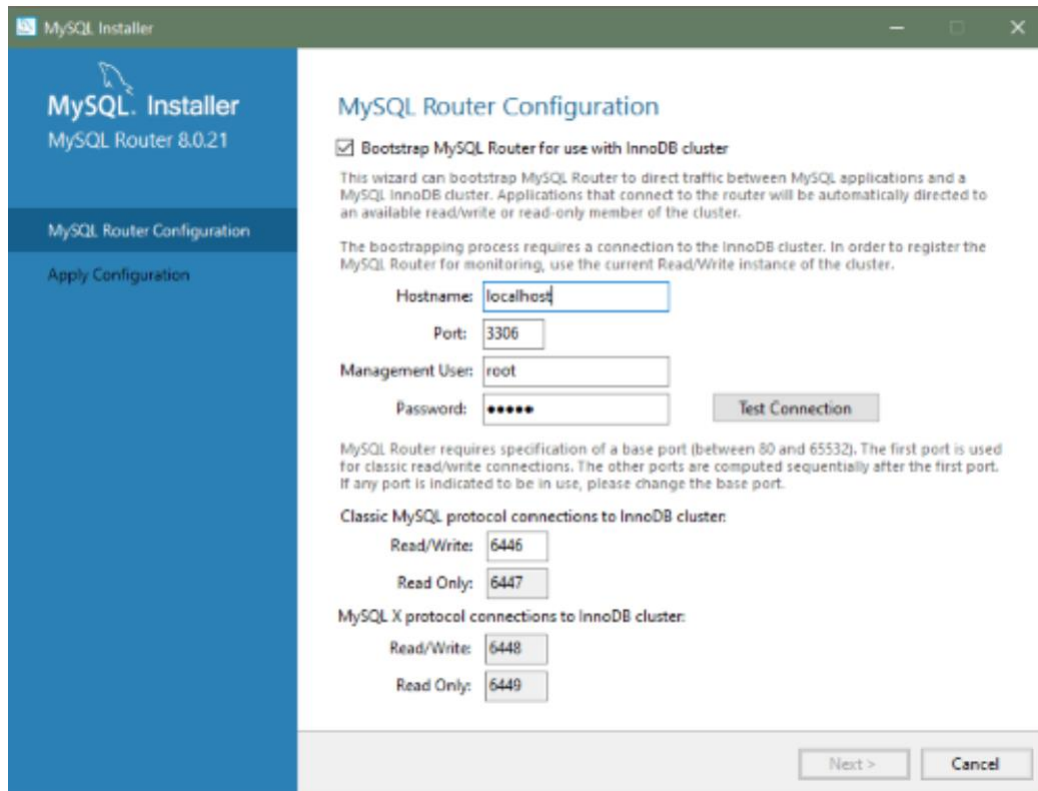


# MySQL Download

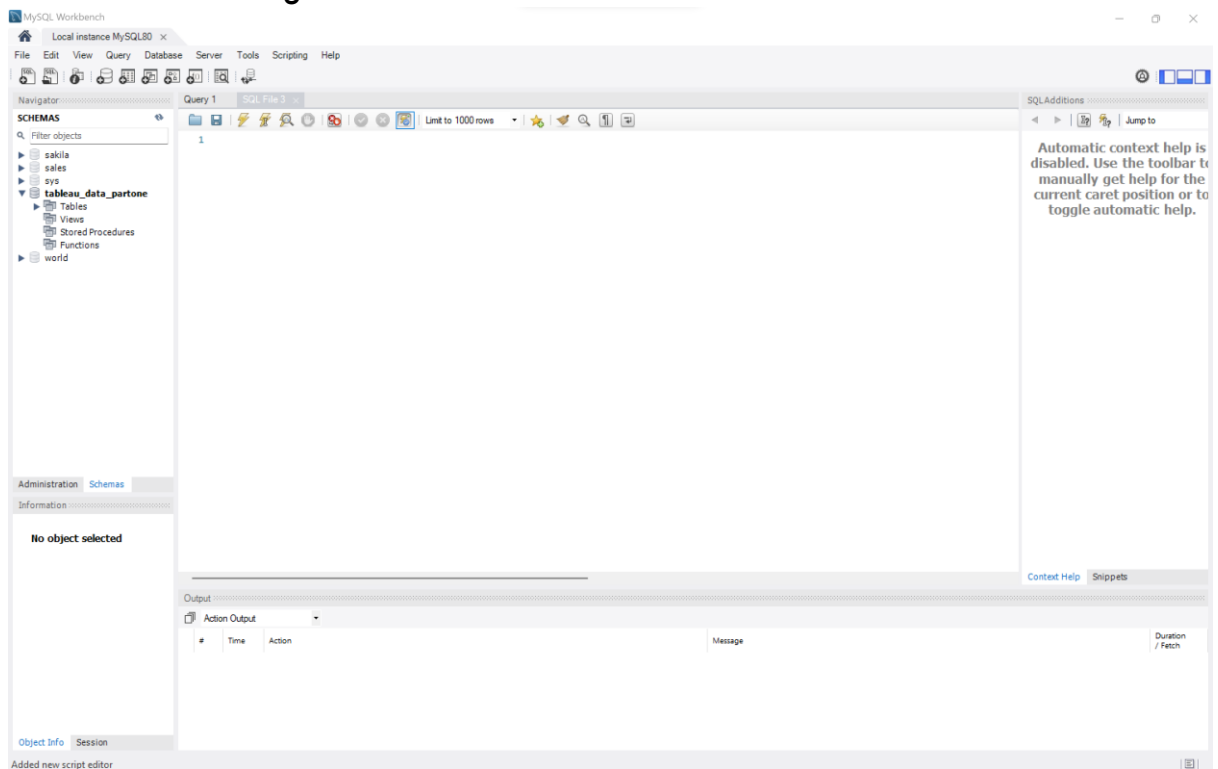
STEP 1: Go to Google chrome and type MySQL download. It will open page for selection of type of operating system and download.



STEP 2: Once downloaded start installing process and complete the download. In MySQL once you open it will ask you for setting up password for security purpose. And you should remember that password because every time you want to connect tableau to MySQL database they will ask for the same.

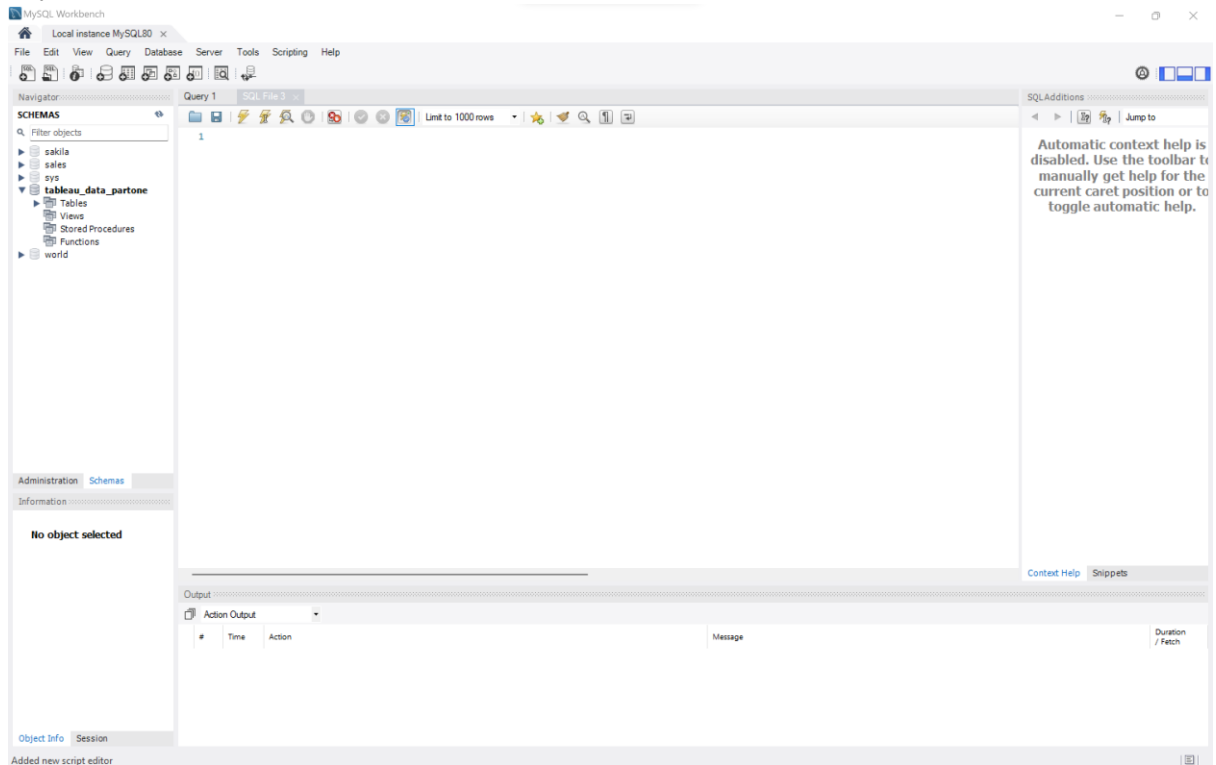


STEP 3: Once the setup is done you connect with the help of password it will look something like this.

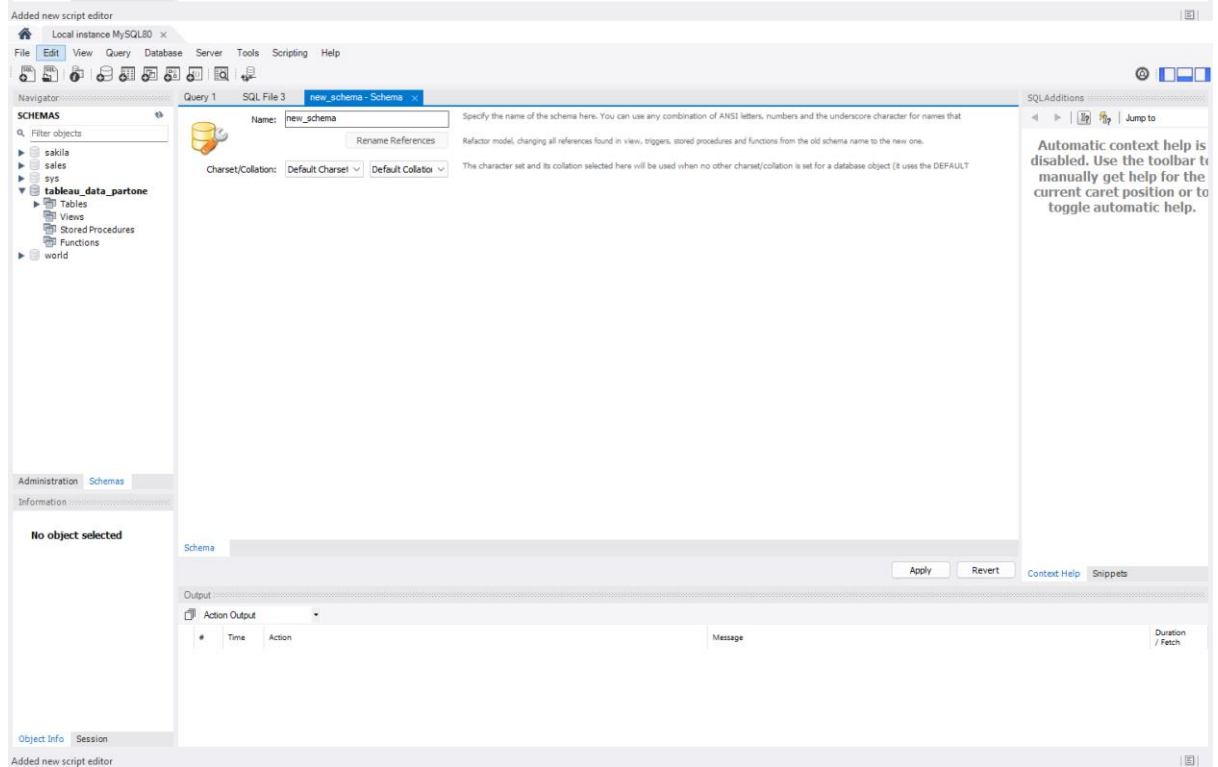
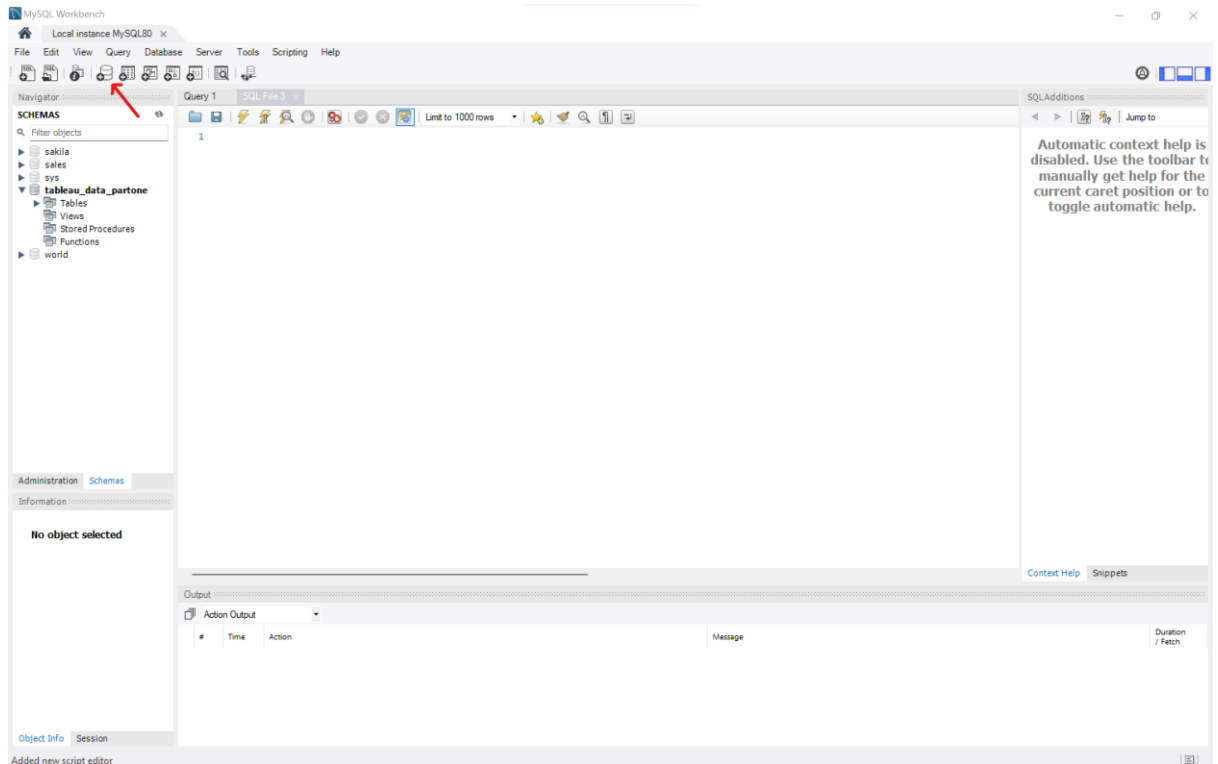


## 2. Create a new schema in your MySQL workbench and upload data.

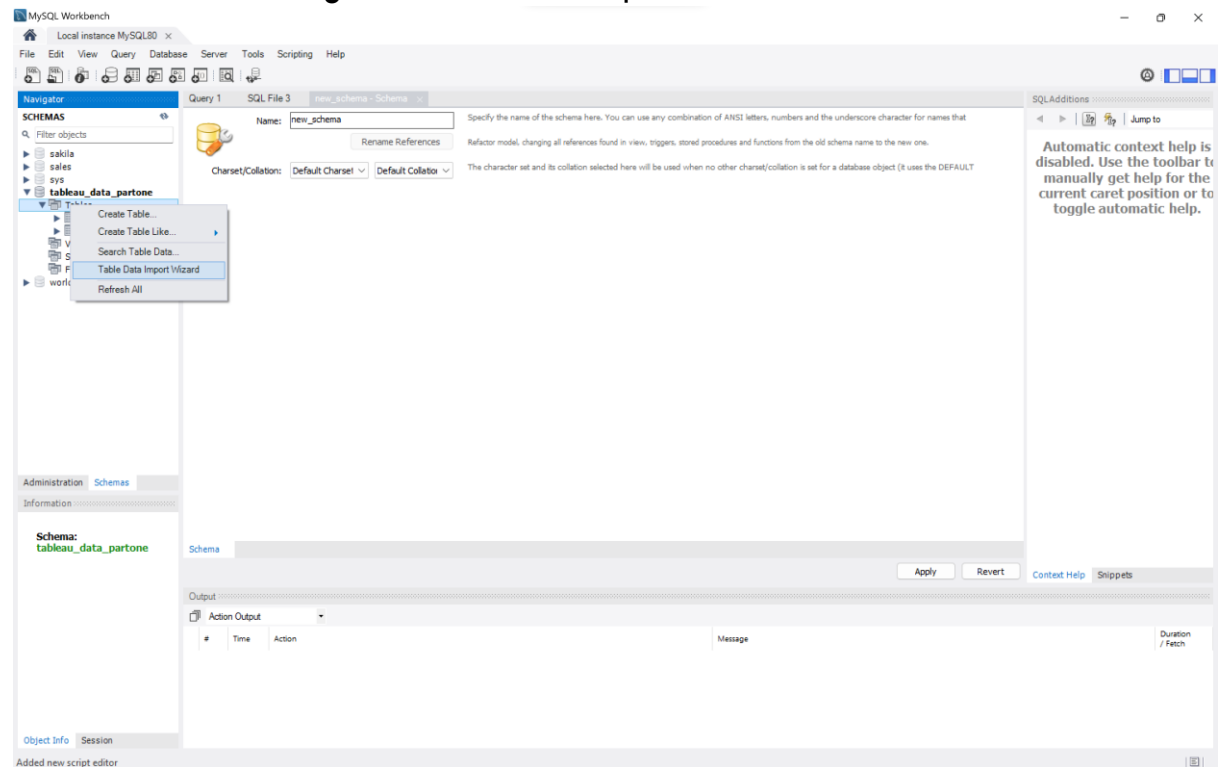
STEP 1: Open your MySQL application and connect with local instance MySQL80.



STEP 2: Go to new Schema option and give name to the schema and apply.

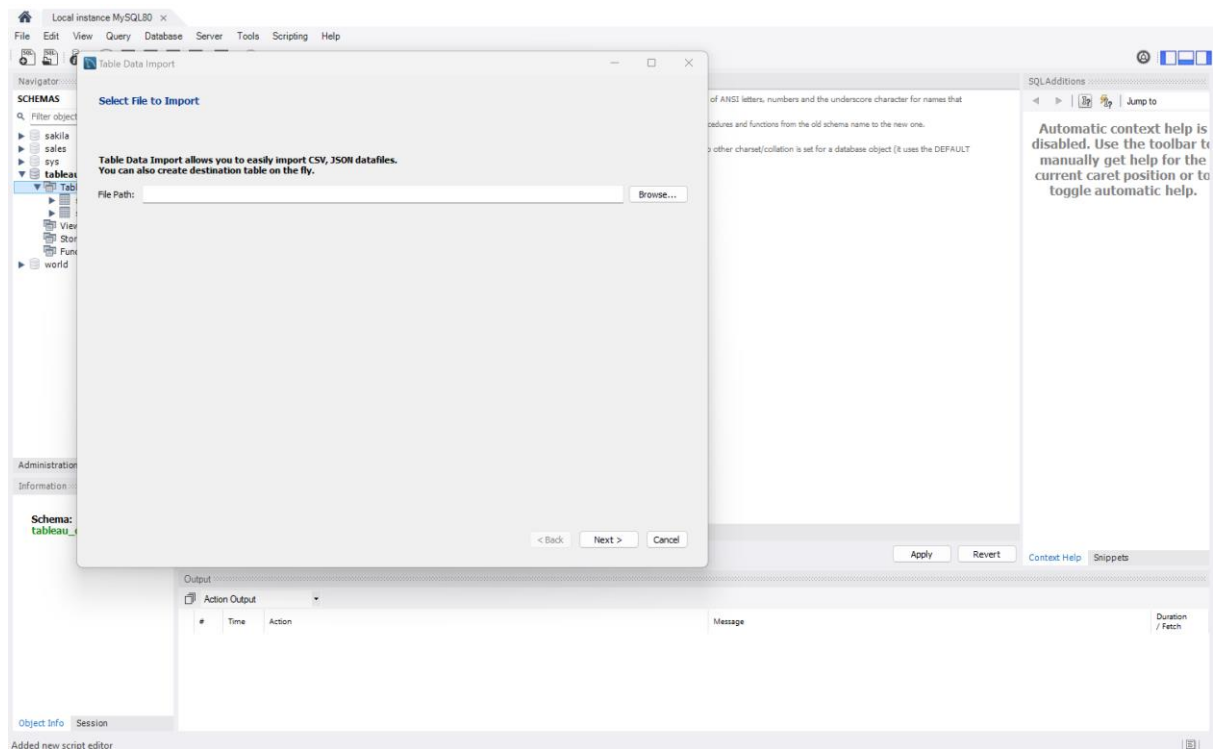


STEP 3: Once you see the new schema under schemas option click on the schema and it will open dropdown like tables, views, functions. Right click on Tables and go to Table data import wizard.

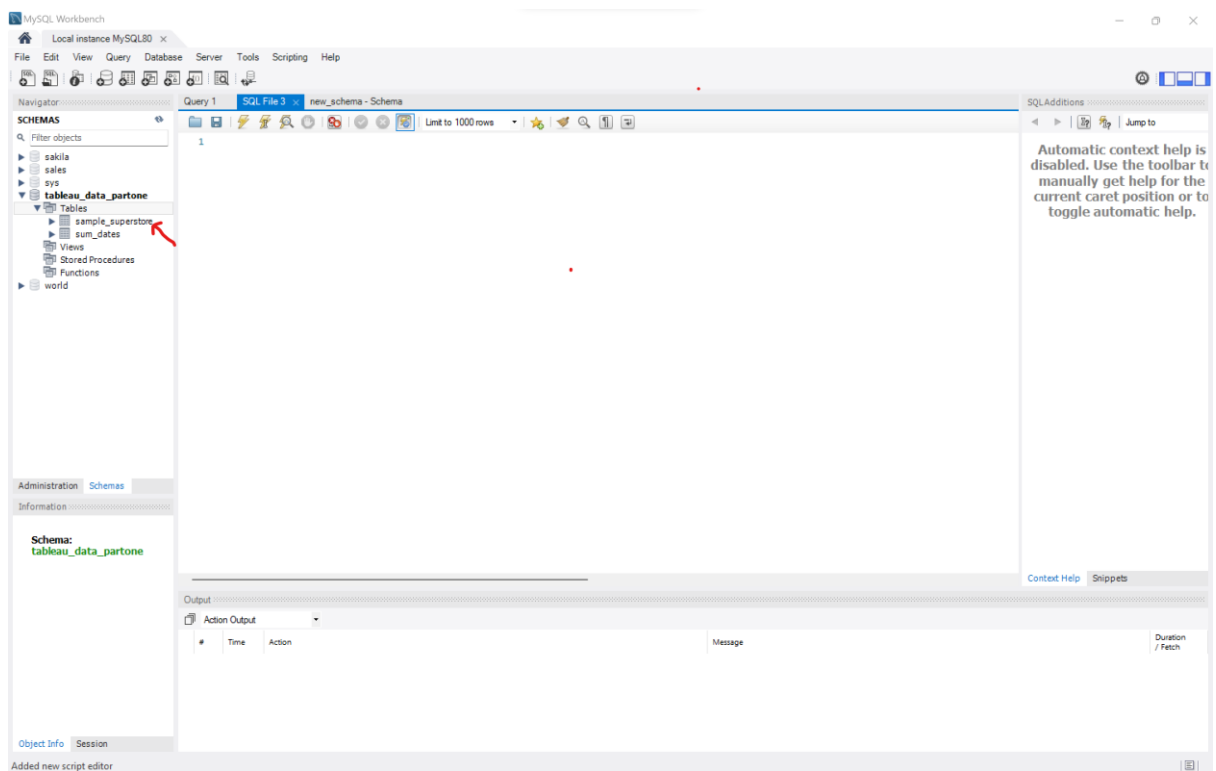


STEP 4: A new dialogue box will open and the path to the file (.csv or .xlsx) and next and load.





STEP 5: Now under table you will be able to see the excel file you have connected.



STEP 6: Now you can see all the data of the excel using the following query.

The screenshot shows the MySQL Workbench interface. The Query Editor contains the following SQL query:

```
1 USE tableau_data_partone;
2 SELECT * FROM sample_superstore;
3
```

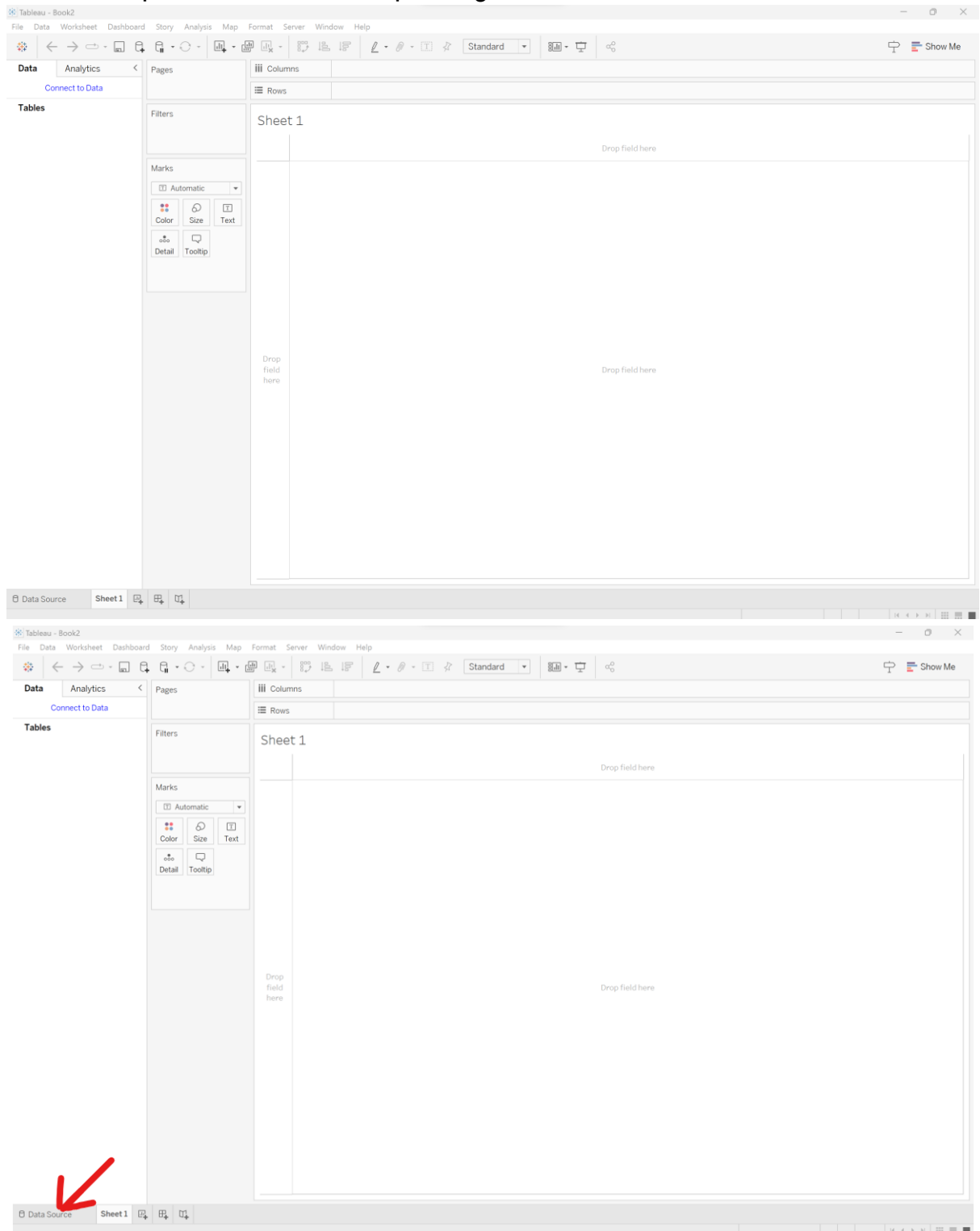
The Result Grid displays 17 rows of data with the following columns: Row ID, Order ID, Order Date, Ship Date, Ship Mode, Customer ID, Customer Name, Segment, Country, City, State, Postal Code, and I. The data includes orders from 2016 and 2015, with various ship modes and customer details.

The Output tab shows the execution results:

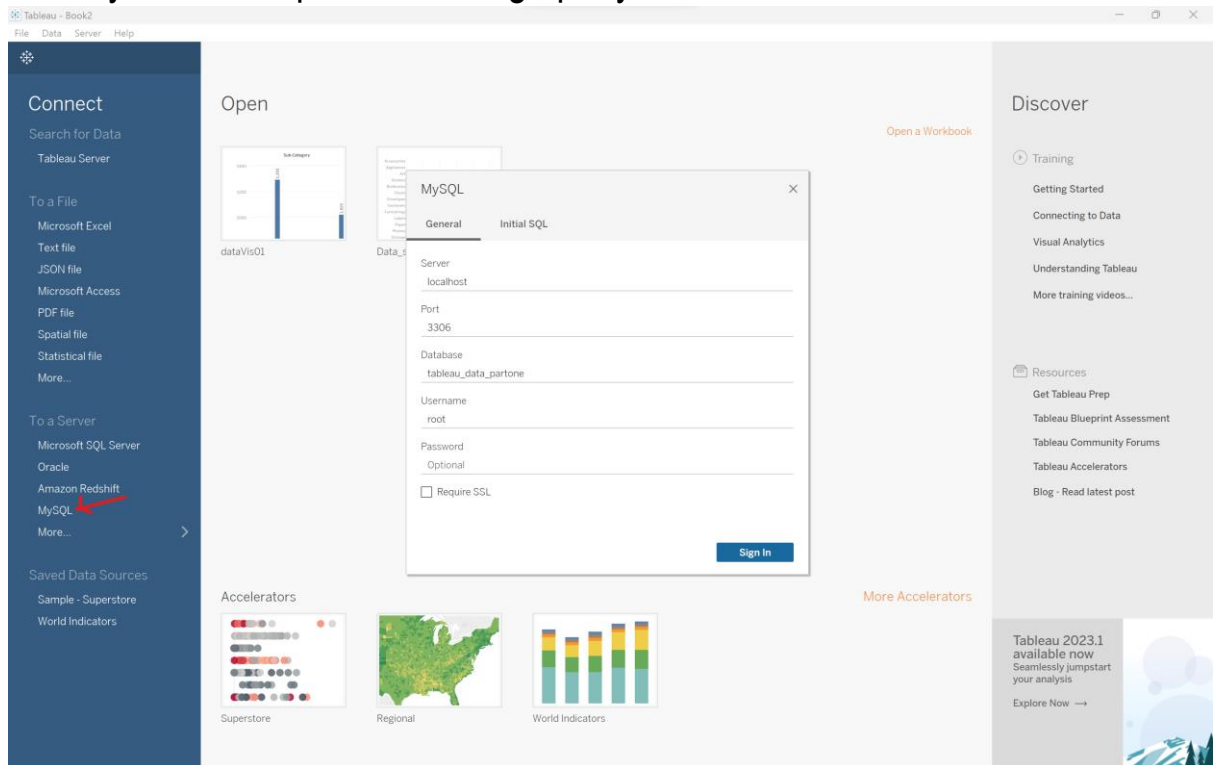
#	Time	Action	Message	Duration / Fetch
1	17:12:14	USE tableau_data_partone	0 row(s) affected	0.015 sec
2	17:12:14	SELECT * FROM sample_superstore LIMIT 0. 1000	138 row(s) returned	0.000 sec / 0.000 sec

### 3. Connect your MySQL to Tableau

STEP 1: Open Tableau Desktop and go to data source.



STEP 2: It will direct you to first page under connect find MySQL and click a new dialogue box will appear fill in the password. The same password which you have kept while setting up MySQL Workbench.



STEP 3: It will ask you to which table you want to connect to, and this is how your tableau should look like once connected.

Tableau - dataVis01

FileDataServerWindowHelp

Connections

localhost  
MySQL

Database  
tableau\_data\_partone

Table  
sample\_superstore  
sum\_dates  
New Custom SQL  
New Union  
New Table Extension

sample\_superstore (tableau\_data\_partone)

Connection  
LiveExtract  
Filters  
0Add

sample\_superstore

Need more data?

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

sample\_superstore22 fields 138 rows100rows

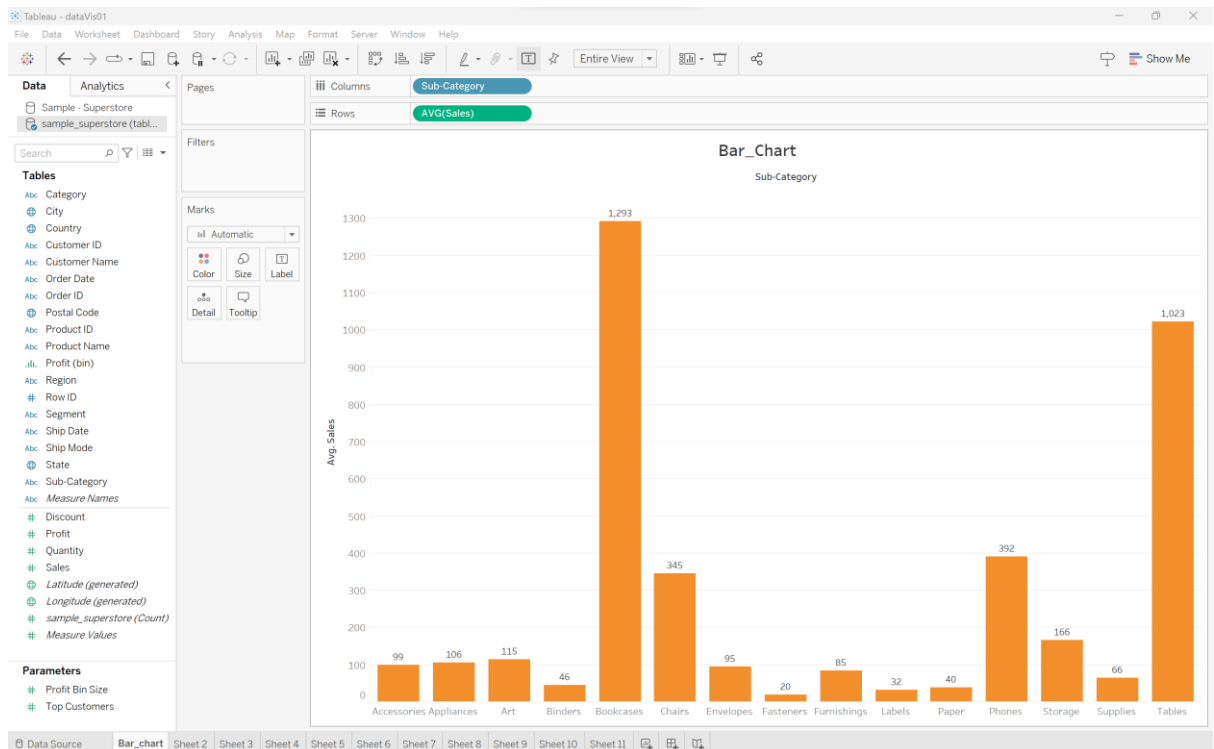
Name  
sample\_superstore

Type	Field Name	Physical Table	Remote ...
#	Row ID	sample_superstore	Row ID
Abc	Order ID	sample_superstore	Order ID
Abc	Order Date	sample_superstore	Order Date
Abc	Ship Date	sample_superstore	Ship Date
Abc	Ship Mode	sample_superstore	Ship Mode

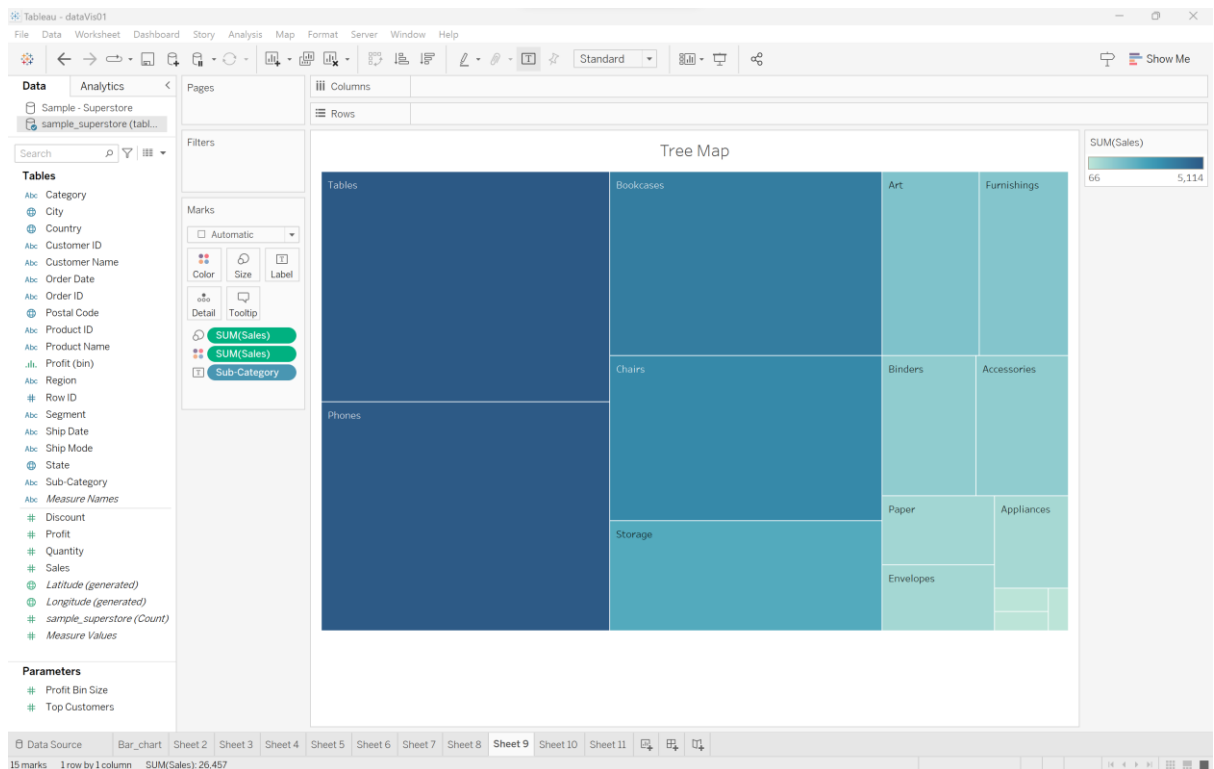
#	Abc sample_superstore	Abc sample_superstore	Abc sample_superstore	Abc sample_superstore	Abc sample_superstore	Abc sample_superst
Row ID	Order ID	Order Date	Ship Date	Ship Mode	Customer ID	Customer N
1	CA-2016-152156	11/8/2016	11/11/2016	Second Class	CG-12520	Claire Gute
2	CA-2016-152156	11/8/2016	11/11/2016	Second Class	CG-12520	Claire Gute
3	CA-2016-138688	6/12/2016	6/16/2016	Second Class	DV-13045	Darrin Van Hi
4	US-2015-108966	10/11/2015	10/18/2015	Standard Class	SO-20335	Sean O'Donn
5	US-2015-108966	10/11/2015	10/18/2015	Standard Class	SO-20335	Sean O'Donn
6	CA-2014-115812	6/9/2014	6/14/2014	Standard Class	BH-11710	Brosina Hoff
7	CA-2014-115812	6/9/2014	6/14/2014	Standard Class	BH-11710	Brosina Hoff
8	CA-2014-115812	6/9/2014	6/14/2014	Standard Class	BH-11710	Brosina Hoff

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

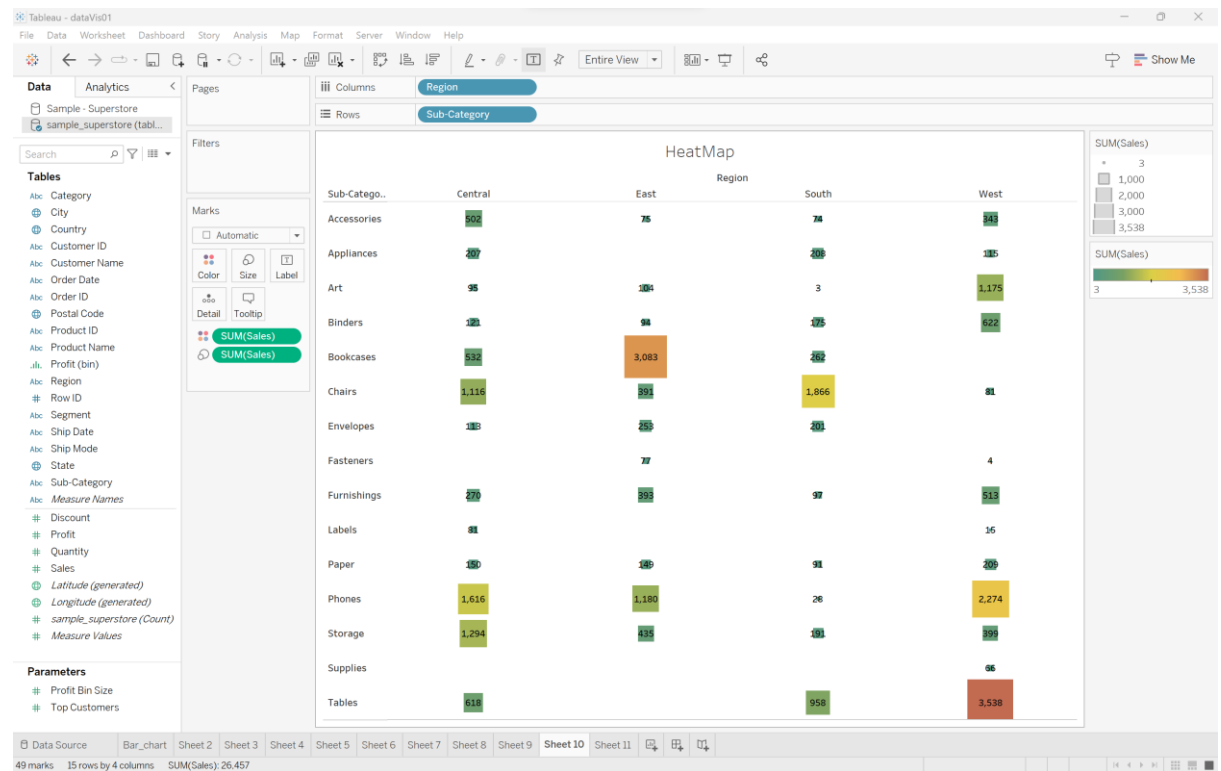
### i) Bar Chart



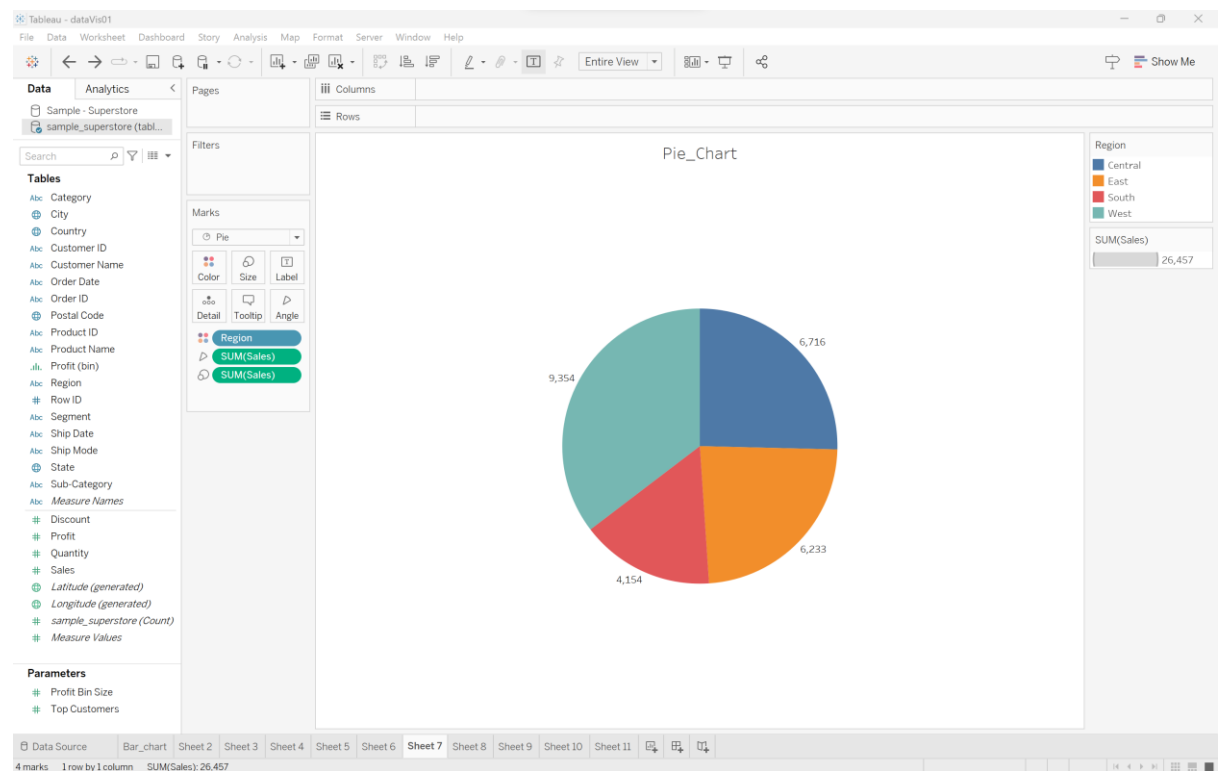
### ii) Tree Map



### iii) Heat Map



### iv) Pie Chart



## v) Horizontal bar Chart

