

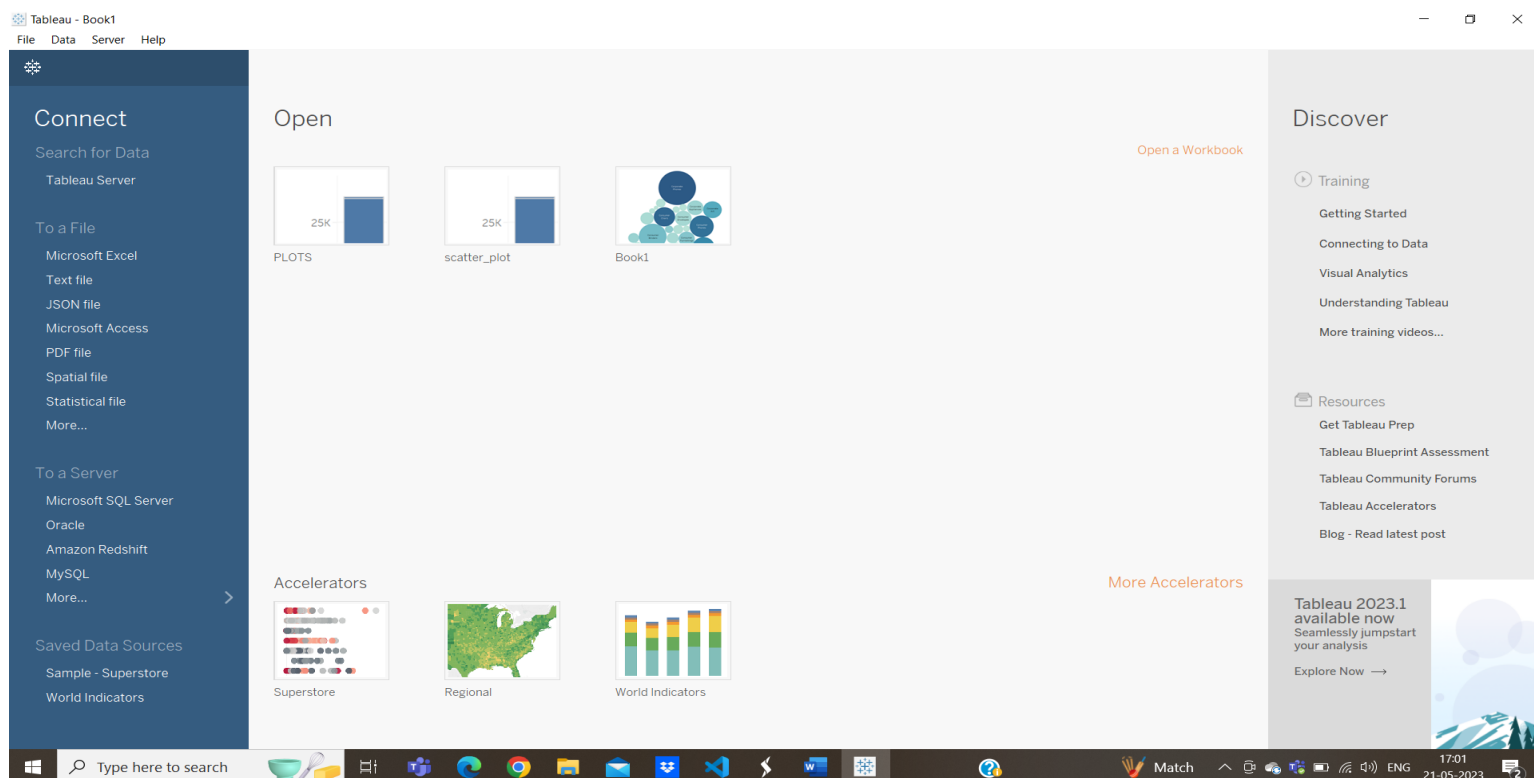
## DATA ANALYTICS EXTERNSHIP ASSIGNMENT – 1

### G-DRIVE LINK -

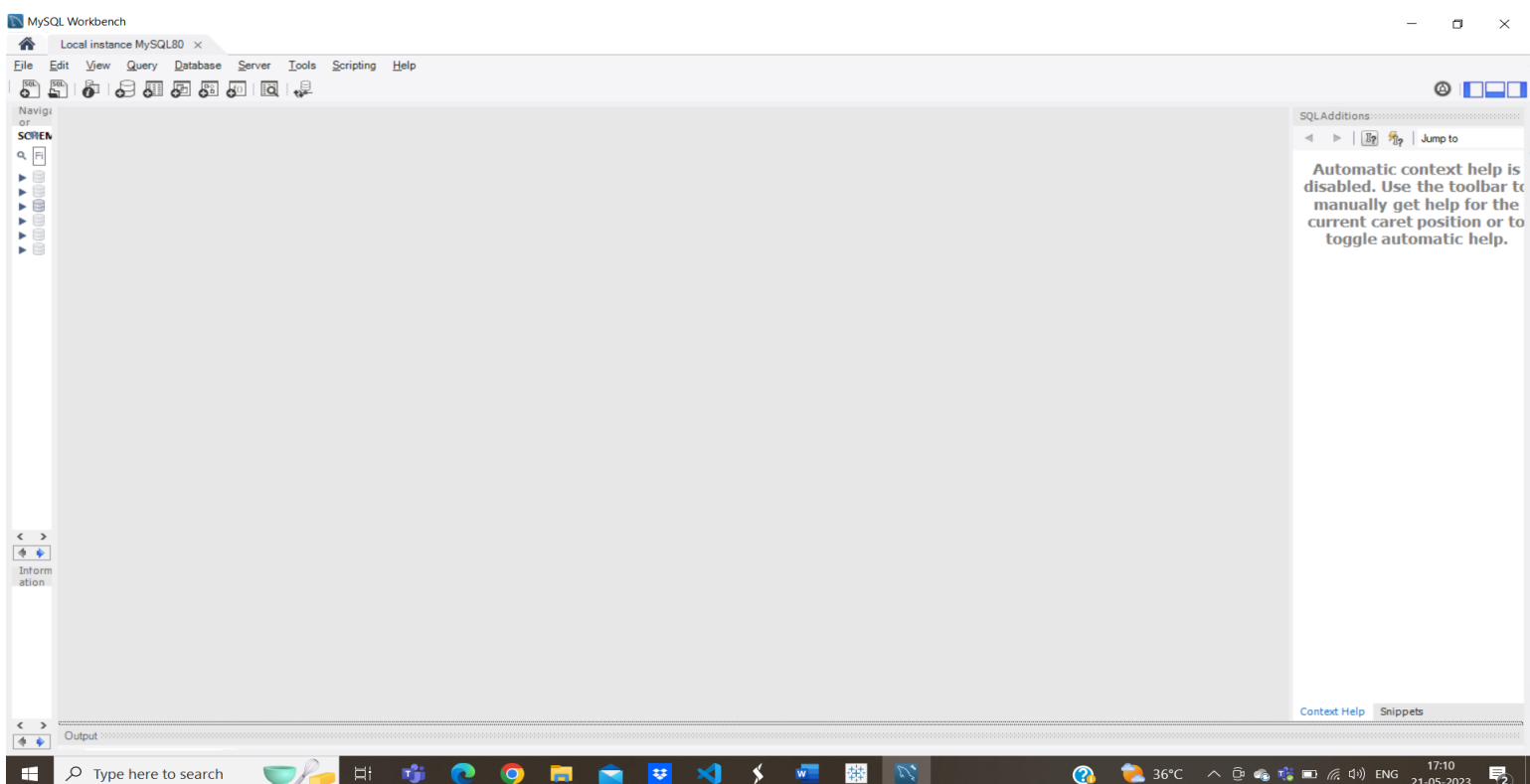
<https://drive.google.com/drive/folders/1uX0FiYA6OzqlaOd7Tm9b8Qf0WARc0Mpf?usp=sharing>

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

### Tableau Desktop:



### MySQL Workbench:



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

## Creating a new Schema/Database superstore to store the table sample\_superstore

The screenshot shows the MySQL Workbench interface. In the 'Query 1' tab, the 'Name' field is set to 'superstore'. The 'Charset/Collation' is set to 'Default Charset' and 'Default Collation'. The 'Output' pane shows the query 'SELECT \* FROM superstore.sample\_superstore LIMIT 0, 1000' and the message '138 row(s) returned'.

Schema

Output

1 17:02:38 SELECT \* FROM superstore.sample\_superstore LIMIT 0, 1000

Message

138 row(s) returned

Duration / Fetch

0.000 sec / 0.000 sec

## Schema superstore with uploaded table data sample\_superstore

The screenshot shows the MySQL Workbench interface with the 'sample\_superstore' table selected. The 'Result Grid' displays the table data. The 'Columns' pane on the left lists the table's columns: Row ID, Order ID, Order Date, Ship Date, Ship Mode, Customer ID, Customer Name, Segment, Country, City, State, Postal Code, and Region.

Table: sample\_superstore

Columns:

- Row ID int
- Order ID text
- Order Date text
- Ship Date text
- Ship Mode text
- Customer ID text
- Customer Name text
- Segment text
- Country text
- City text
- State text
- Postal Code int
- Region text
- Product ID text

Row ID	Order ID	Order Date	Ship Date	Ship Mode	Customer ID	Customer Name	Segment	Country	City	State	Postal Code	Region
1	CA-2016-152156	11/8/2016	11/11/2016	Second Class	CG-12520	Claire Gute	Consumer	United States	Henderson	Kentucky	42420	South
2	CA-2016-152156	11/8/2016	11/11/2016	Second Class	CG-12520	Claire Gute	Consumer	United States	Henderson	Kentucky	42420	South
3	CA-2016-138688	6/12/2016	6/16/2016	Second Class	DV-13045	Darrin Van Huff	Corporate	United States	Los Angeles	California	90036	West
4	US-2015-108966	10/11/2015	10/18/2015	Standard Class	SO-20335	Sean O'Donnell	Consumer	United States	Fort Lauderdale	Florida	33311	South
5	US-2015-108966	10/11/2015	10/18/2015	Standard Class	SO-20335	Sean O'Donnell	Consumer	United States	Fort Lauderdale	Florida	33311	South
6	CA-2014-115812	6/9/2014	6/14/2014	Standard Class	BH-11710	Brosina Hoffman	Consumer	United States	Los Angeles	California	90032	West
7	CA-2014-115812	6/9/2014	6/14/2014	Standard Class	BH-11710	Brosina Hoffman	Consumer	United States	Los Angeles	California	90032	West
8	CA-2014-115812	6/9/2014	6/14/2014	Standard Class	BH-11710	Brosina Hoffman	Consumer	United States	Los Angeles	California	90032	West
9	CA-2014-115812	6/9/2014	6/14/2014	Standard Class	BH-11710	Brosina Hoffman	Consumer	United States	Los Angeles	California	90032	West
10	CA-2014-115812	6/9/2014	6/14/2014	Standard Class	BH-11710	Brosina Hoffman	Consumer	United States	Los Angeles	California	90032	West
11	CA-2014-115812	6/9/2014	6/14/2014	Standard Class	BH-11710	Brosina Hoffman	Consumer	United States	Los Angeles	California	90032	West
12	CA-2014-115812	6/9/2014	6/14/2014	Standard Class	BH-11710	Brosina Hoffman	Consumer	United States	Los Angeles	California	90032	West
13	CA-2017-114412	4/15/2017	4/20/2017	Standard Class	AA-10480	Andrew Allen	Consumer	United States	Concord	North C...	28027	South
14	CA-2016-161389	12/5/2016	12/10/2016	Standard Class	IM-15070	Irene Maddox	Consumer	United States	Seattle	Washing...	98103	West
15	US-2015-118983	11/22/2015	11/26/2015	Standard Class	HP-14815	Harold Pawlan	Home Off...	United States	Fort Worth	Texas	76106	Central

### 3) Connect your Mysql and Tableau

#### Connecting Tableau with MYSQL

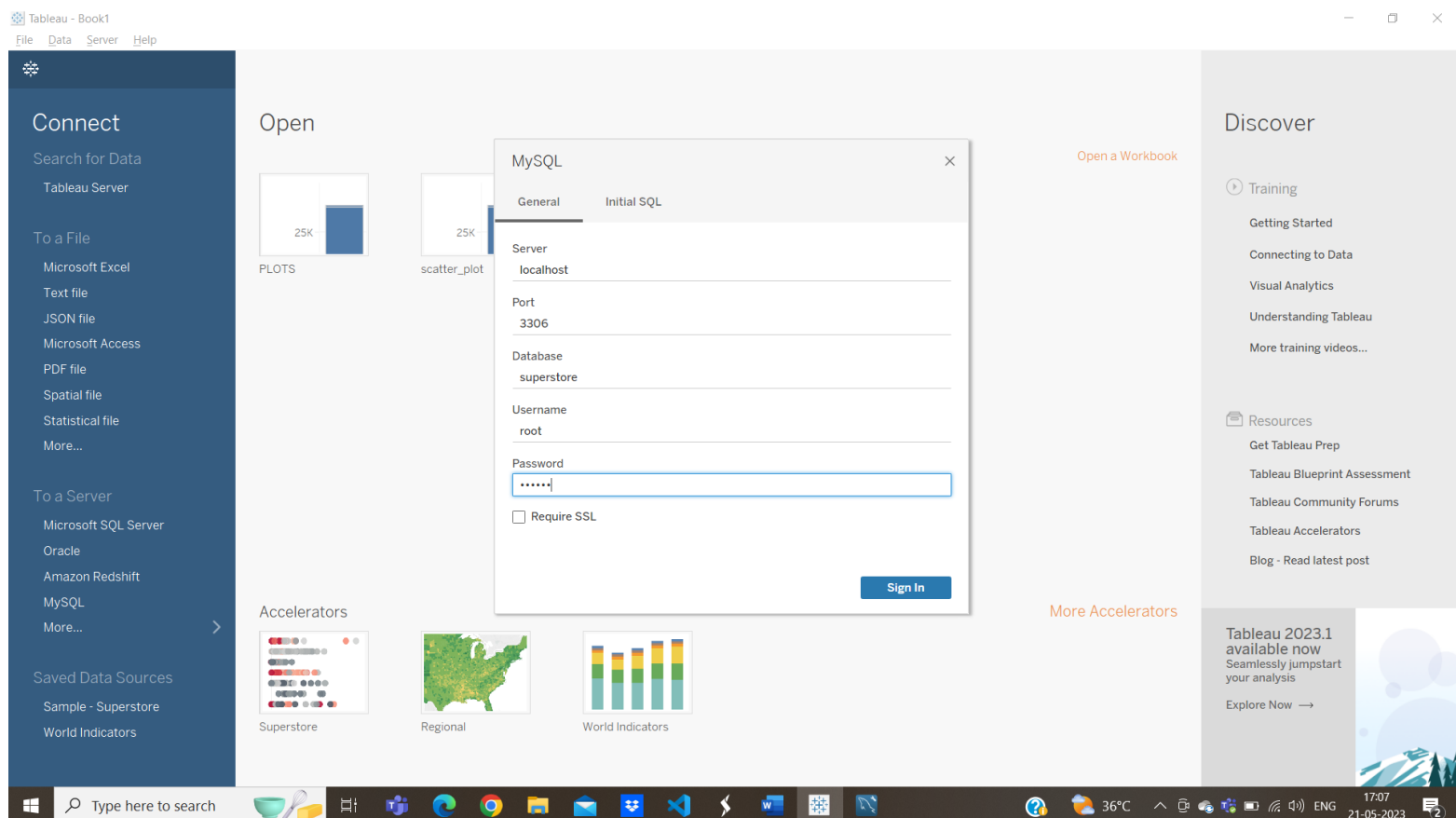


Tableau - Book1

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**

25K PLOTS

25K scatter\_plot

**MySQL**

General Initial SQL

Server localhost

Port 3306

Database superstore

Username root

Password .....

☐ Require SSL

Sign In

**Discover**

Open a Workbook

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 →

Accelerators

- Superstore
- Regional
- World Indicators

More Accelerators

Windows taskbar: Type here to search, 36°C, 17:07, 21-05-2023

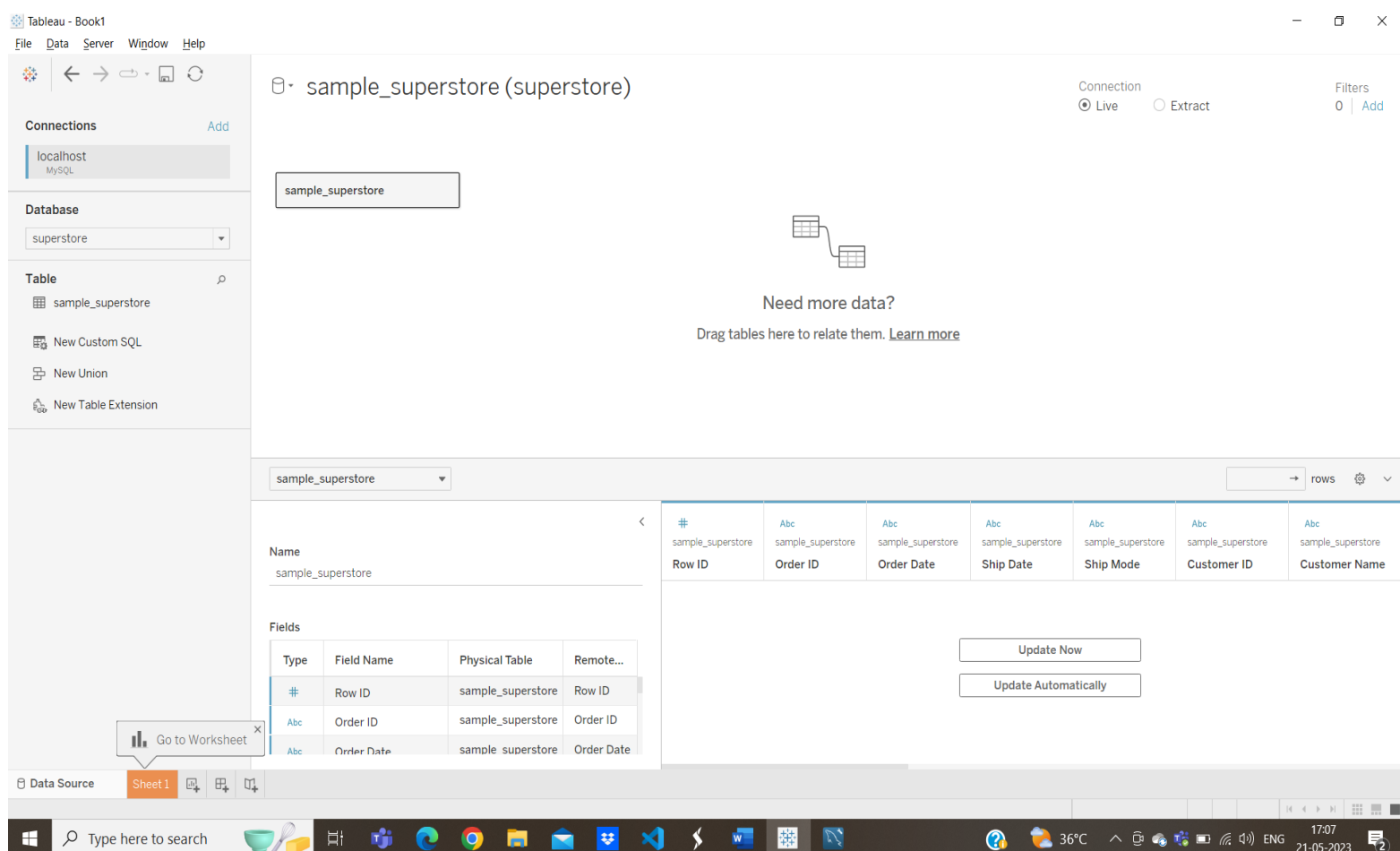


Tableau - Book1

File Data Server Window Help

**Connections**

localhost MySQL

**Database**

superstore

**Table**

- sample\_superstore
- New Custom SQL
- New Union
- New Table Extension

**sample\_superstore (superstore)**

sample\_superstore

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

sample\_superstore

rows

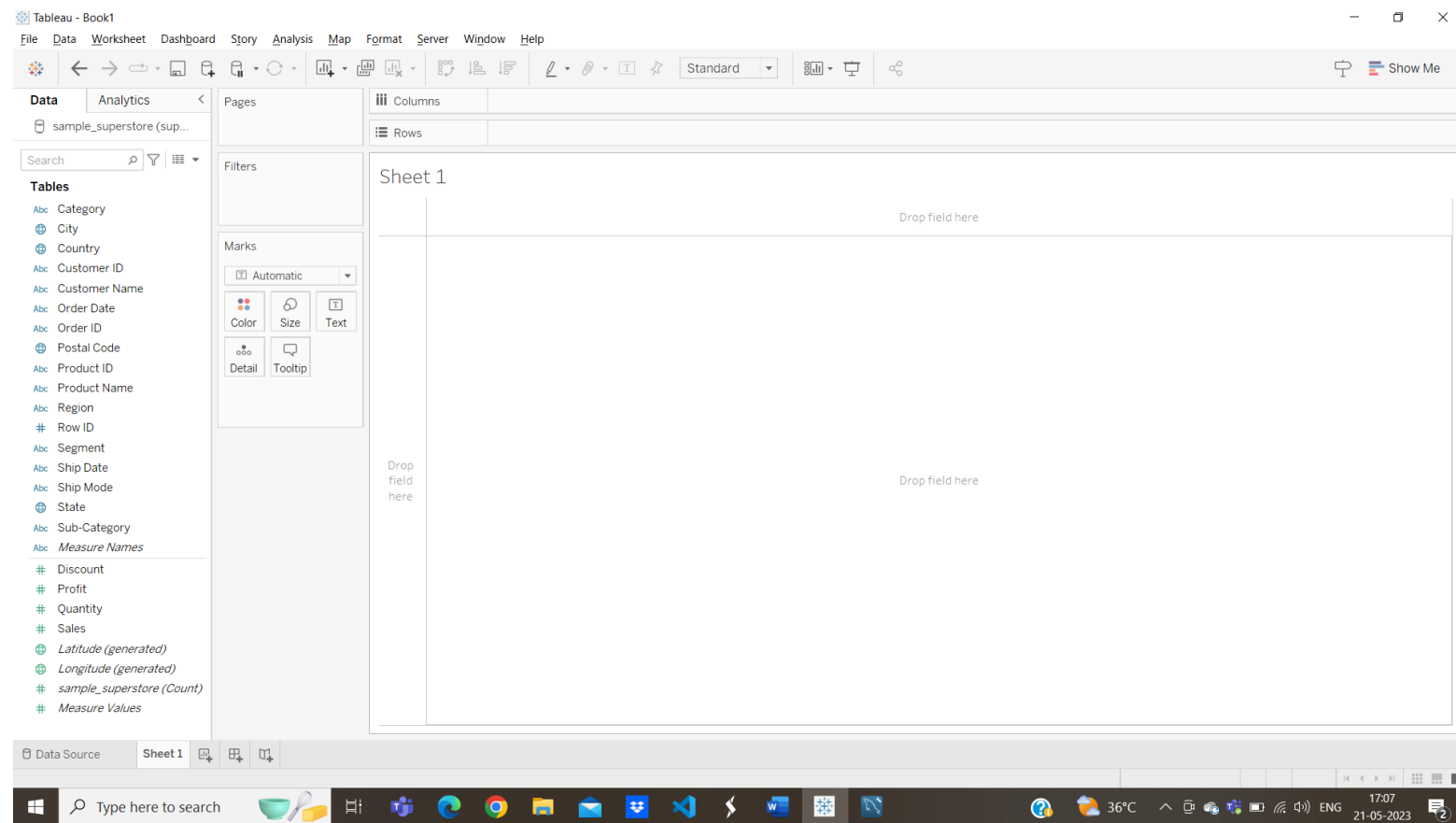
Name	Type	Field Name	Physical Table	Remote...
sample_superstore	#	Row ID	sample_superstore	Row ID
	Abc	Order ID	sample_superstore	Order ID
	Abc	Order Date	sample_superstore	Order Date

Update Now

Update Automatically

Windows taskbar: Type here to search, 36°C, 17:07, 21-05-2023

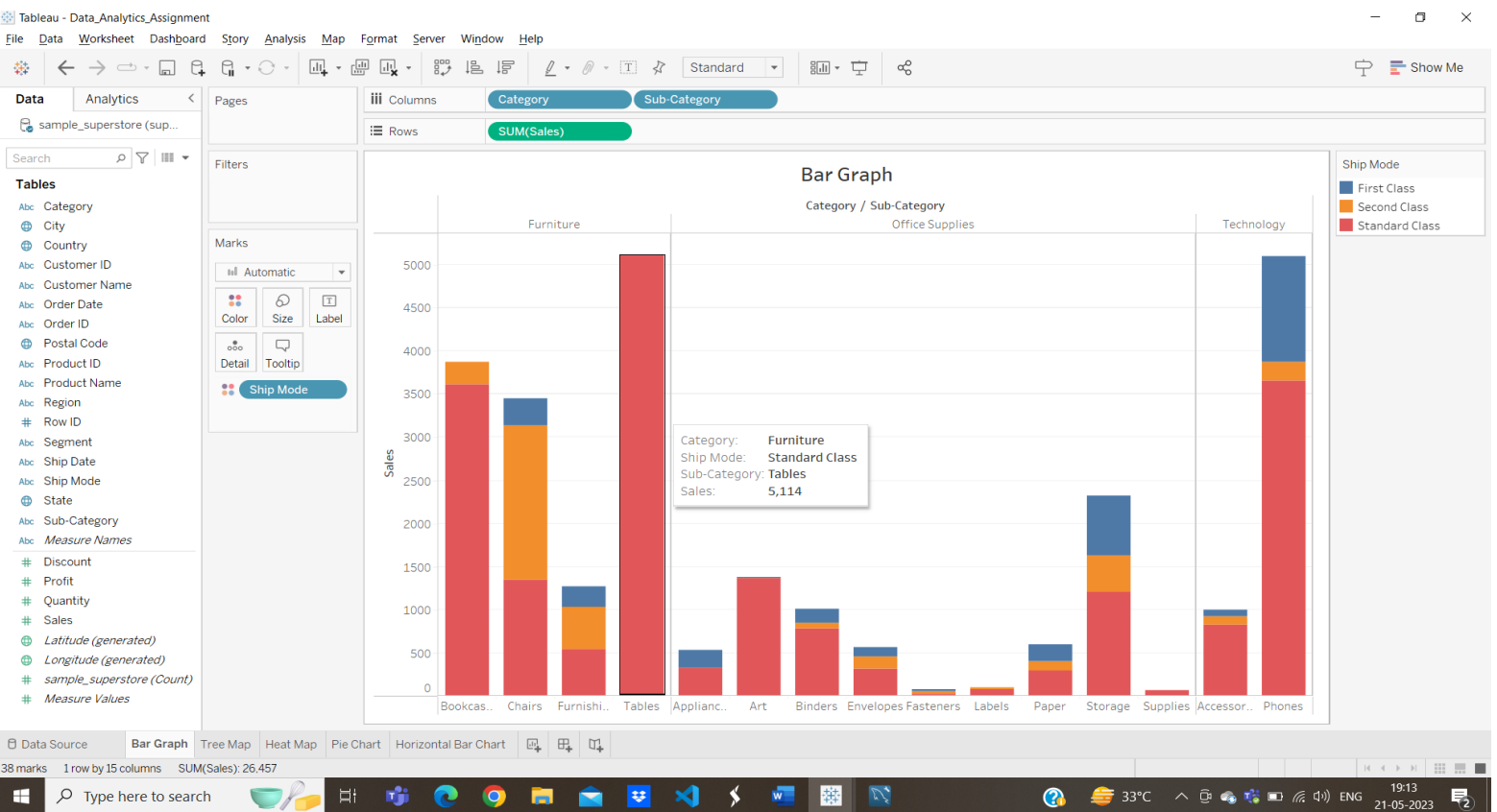
# Opening Tableau new Worksheet after connecting Tableau with MYSQL Workbench



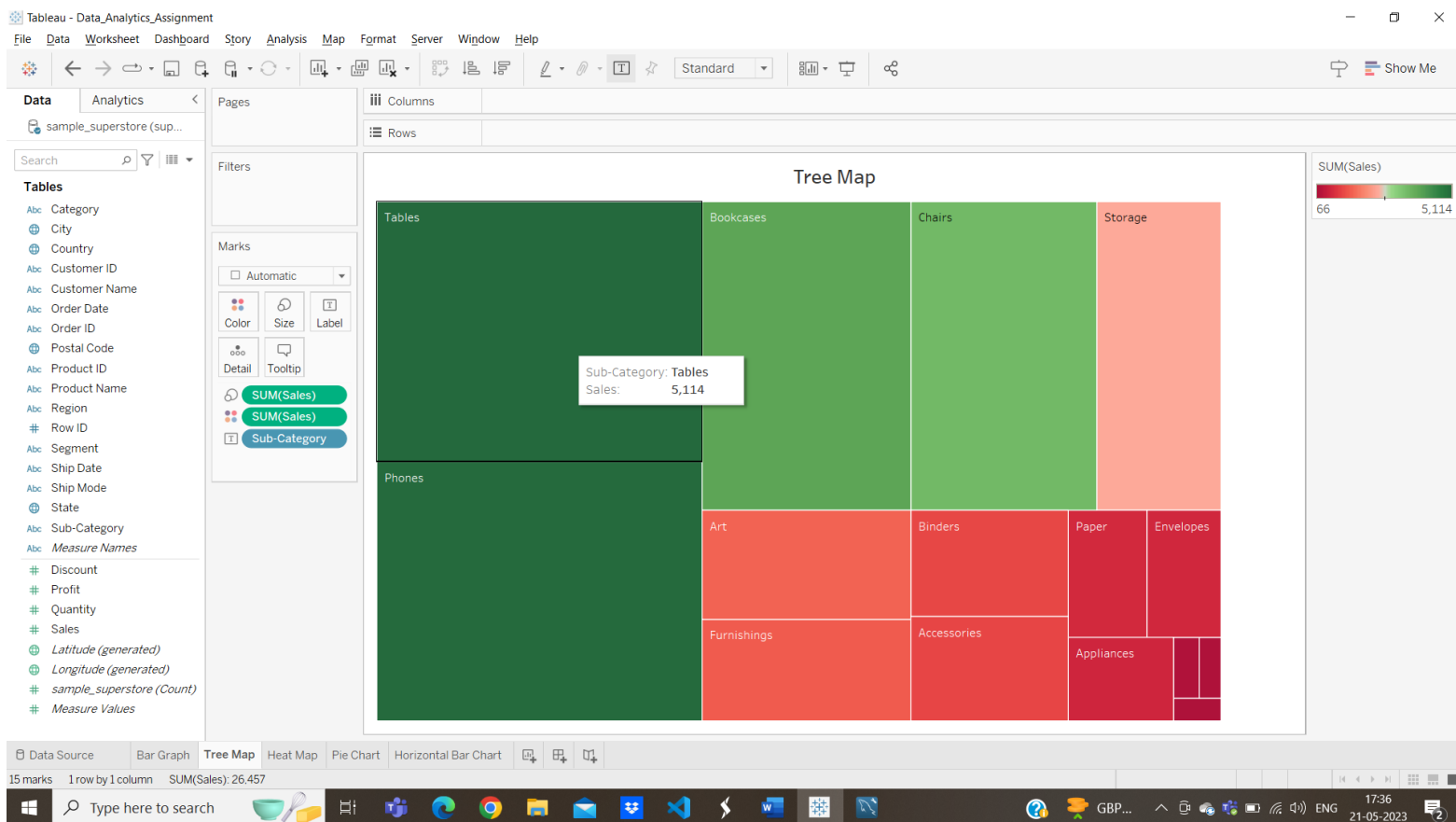
## 4) Create the below 5 charts/plots

You can use superstore dataset

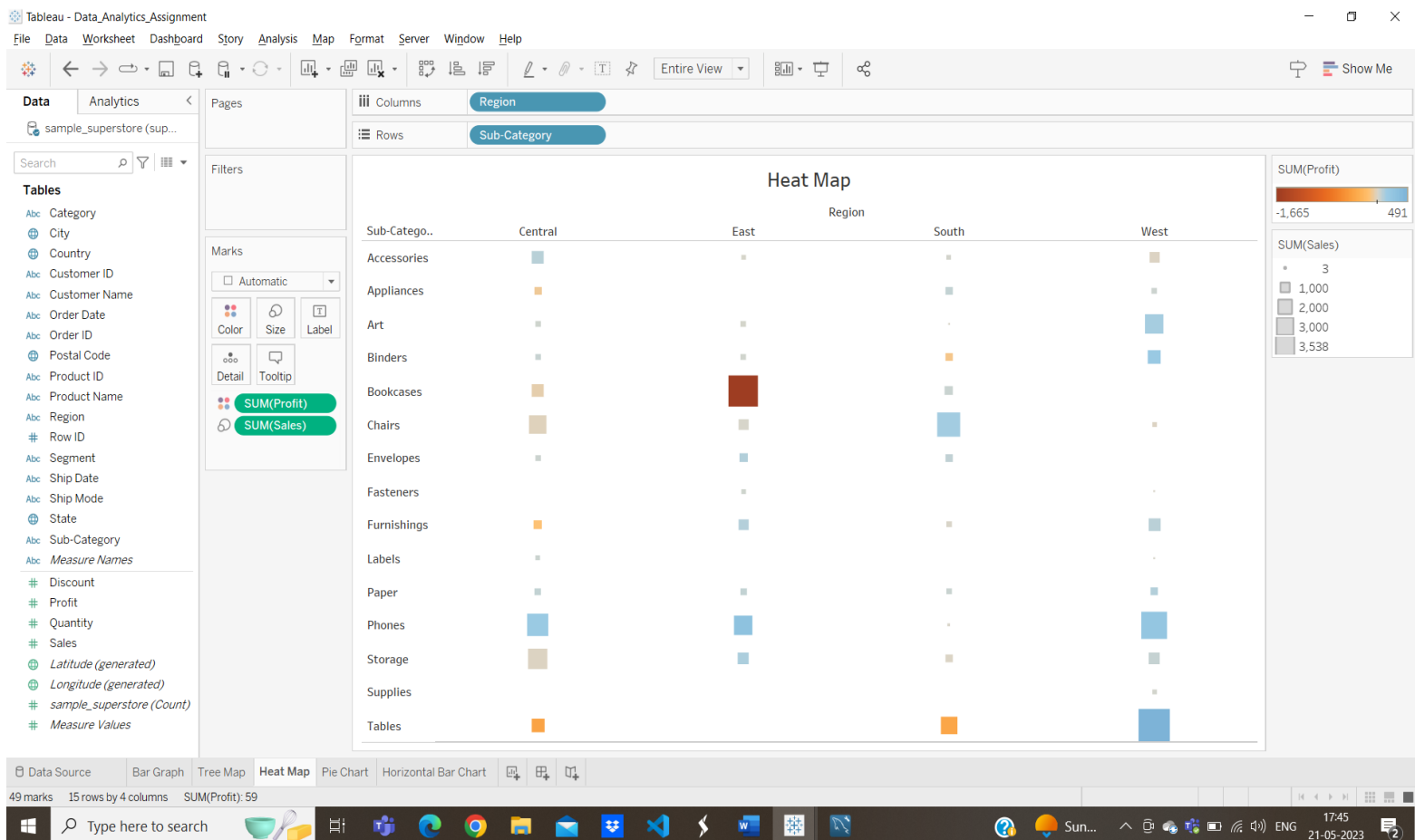
- **Bar chart – Keeping Category and Sub Category as Columns and Sales as row**



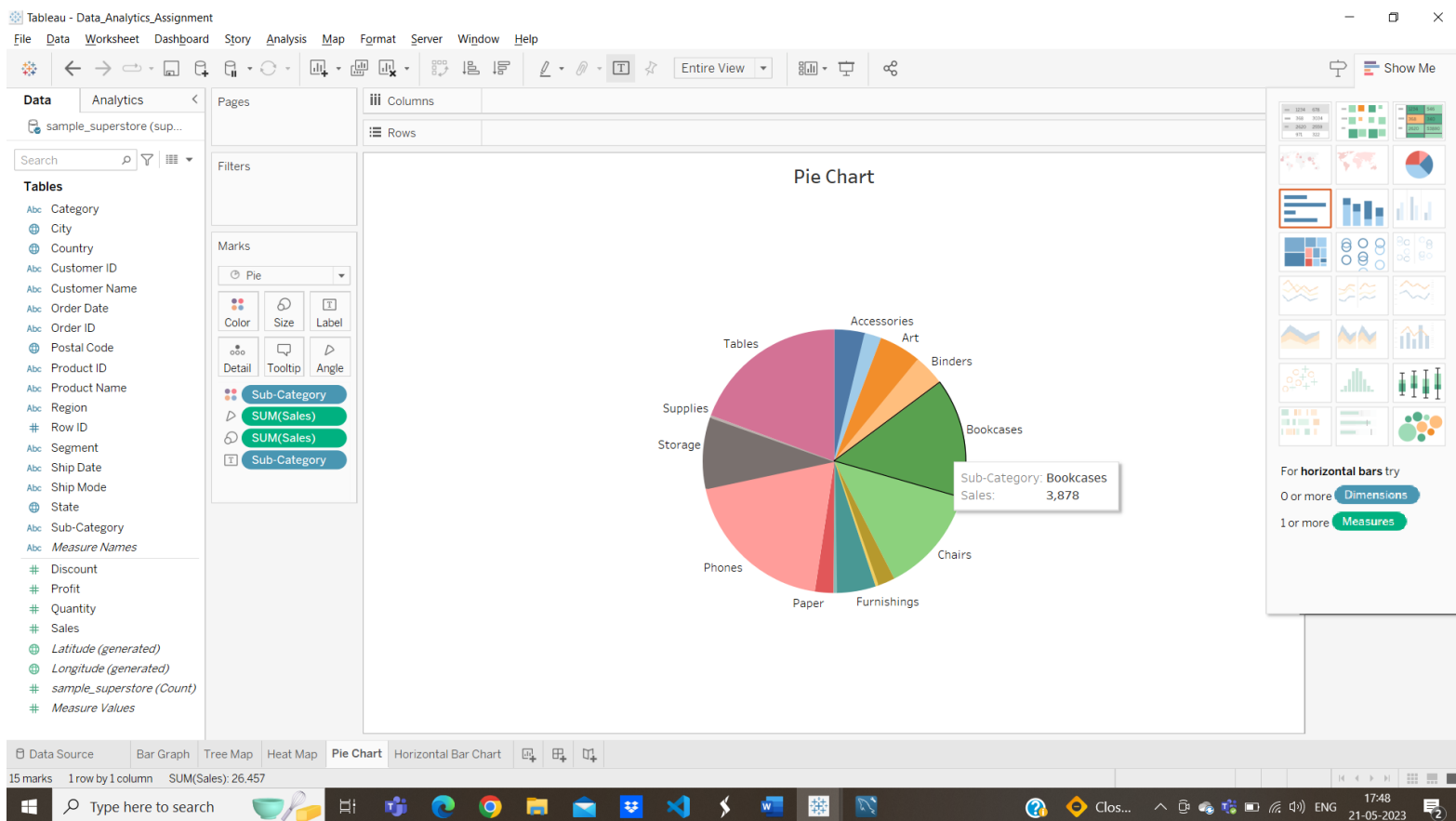
## • Tree map – Keeping Sub category as Column and Sales as rows



## • Heatmap- keeping Region as Column and Sub Category as Row



## • Pie chart- Keeping Sales as Column and Sub Category as Row



## • Horizontal bar chart-Keeping Sales as Columns and Category and Sub Category as Rows

