

Assignment - 1

Name: Madhav Mishra

Reg. No.: 20BCE11076

University: VIT Bhopal

1) Tableau and sql installation

2) Sql Data upload

The screenshot displays the MySQL Workbench interface. The left sidebar shows the 'SCHEMAS' panel with 'schema1' expanded, containing 'sample - superstore'. The main editor shows a SQL query: `SELECT * FROM schema1.`sample - superstore`;`. The 'Result Grid' at the bottom displays the query results, limited to 1000 rows. The table has columns: Row ID, Order ID, Order Date, Ship Date, Ship Mode, Customer ID, Customer Name, Segment, Country, City, and State. The bottom status bar indicates the query was executed at 18:24:28, returning 138 rows in 0.031 seconds.

Row ID	Order ID	Order Date	Ship Date	Ship Mode	Customer ID	Customer Name	Segment	Country	City	State
129	US-2016-125969	11/6/2016	11/10/2016	Second Class	LS-16975	Lindsay Shagari	Home Off...	United States	Los Angeles	California
130	US-2016-125969	11/6/2016	11/10/2016	Second Class	LS-16975	Lindsay Shagari	Home Off...	United States	Los Angeles	California
131	US-2017-164147	2/2/2017	2/5/2017	First Class	DW-13585	Dorothy Wardle	Corporate	United States	Columbus	Ohio
132	US-2017-164147	2/2/2017	2/5/2017	First Class	DW-13585	Dorothy Wardle	Corporate	United States	Columbus	Ohio
133	US-2017-164147	2/2/2017	2/5/2017	First Class	DW-13585	Dorothy Wardle	Corporate	United States	Columbus	Ohio
134	CA-2016-145583	10/13/2016	10/19/2016	Standard Class	LC-16885	Lena Creighton	Consumer	United States	Roseville	California
135	CA-2016-145583	10/13/2016	10/19/2016	Standard Class	LC-16885	Lena Creighton	Consumer	United States	Roseville	California
136	CA-2016-145583	10/13/2016	10/19/2016	Standard Class	LC-16885	Lena Creighton	Consumer	United States	Roseville	California
137	CA-2016-145583	10/13/2016	10/19/2016	Standard Class	LC-16885	Lena Creighton	Consumer	United States	Roseville	California
138	CA-2016-145583	10/13/2016	10/19/2016	Standard Class	LC-16885	Lena Creighton	Consumer	United States	Roseville	California
139	CA-2016-145583	10/13/2016	10/19/2016	Standard Class	LC-16885	Lena Creighton	Consumer	United States	Roseville	California
140	CA-2016-145583	10/13/2016	10/19/2016	Standard Class	LC-16885	Lena Creighton	Consumer	United States	Roseville	California
141	CA-2016-110366	9/5/2016	9/7/2016	Second Class	JD-15895	Jonathan Doherty	Corporate	United States	Philadelphia	Pennsyl...

3) Connect tableau and Sql

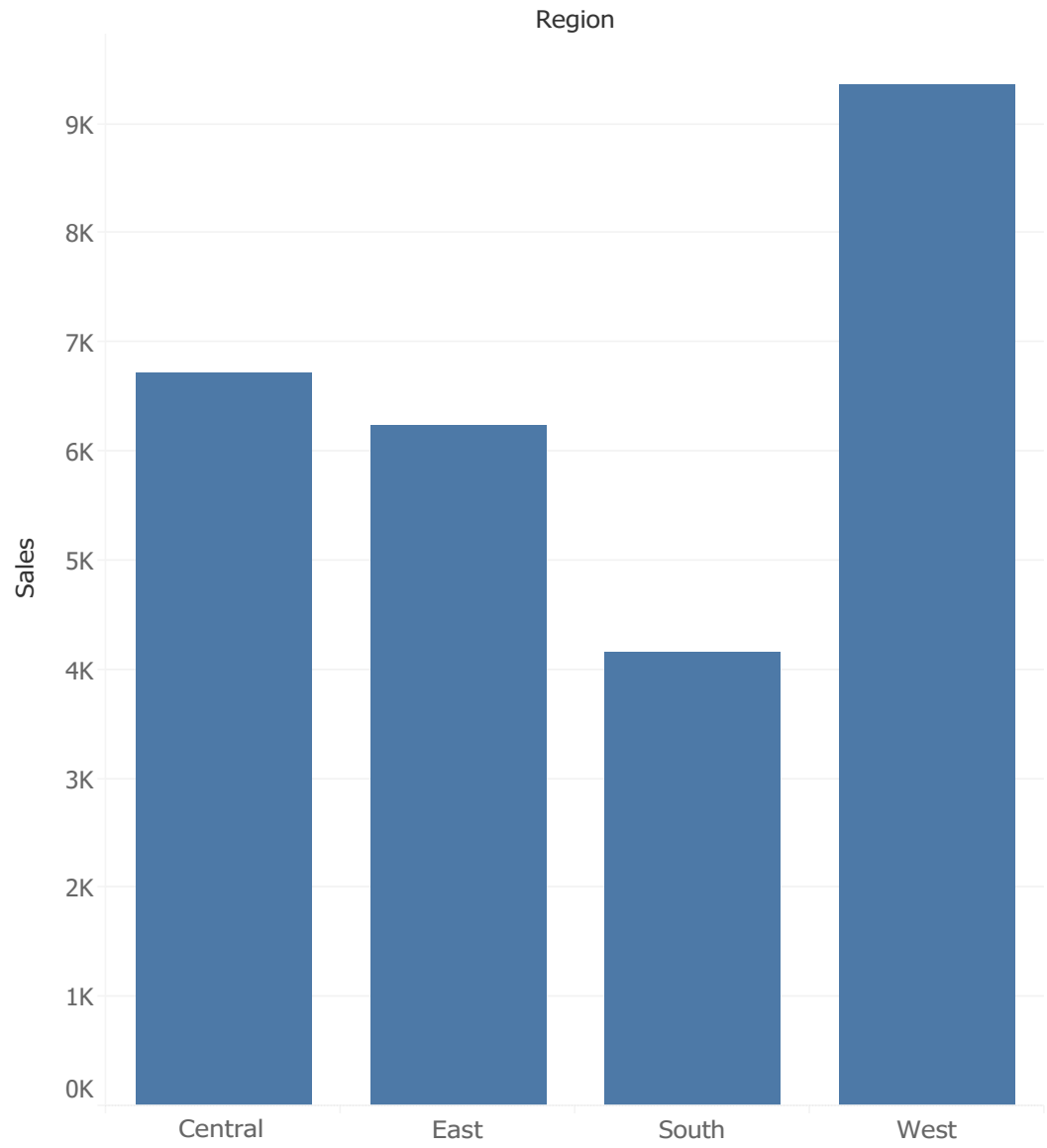
The screenshot shows the Tableau interface with the following components:

- Tableau - Assignment_1** (Title bar)
- File Data Server Window Help** (Menu bar)
- Connections** (Left sidebar):
 - localhost (MySQL)
- Database** (Left sidebar):
 - smart_bridge (selected)
- Table** (Left sidebar):
 - sample - superstore
 - New Custom SQL
 - New Union
 - New Table Extension
- sample - superstore (smart_bridge)** (Main view header)
- sample - superstore** (Main view content)
- sample - superstore** (Dropdown menu)
- Name** (Text input):
 - sample - superstore
- Fields** (Table):

Type	Field Name	Physical Table	Remot...
#	Row ID	sample - superstore	Row ID
Abc	Order ID	sample - superstore	Order ID
Abc	Order Date	sample - superstore	Order D...

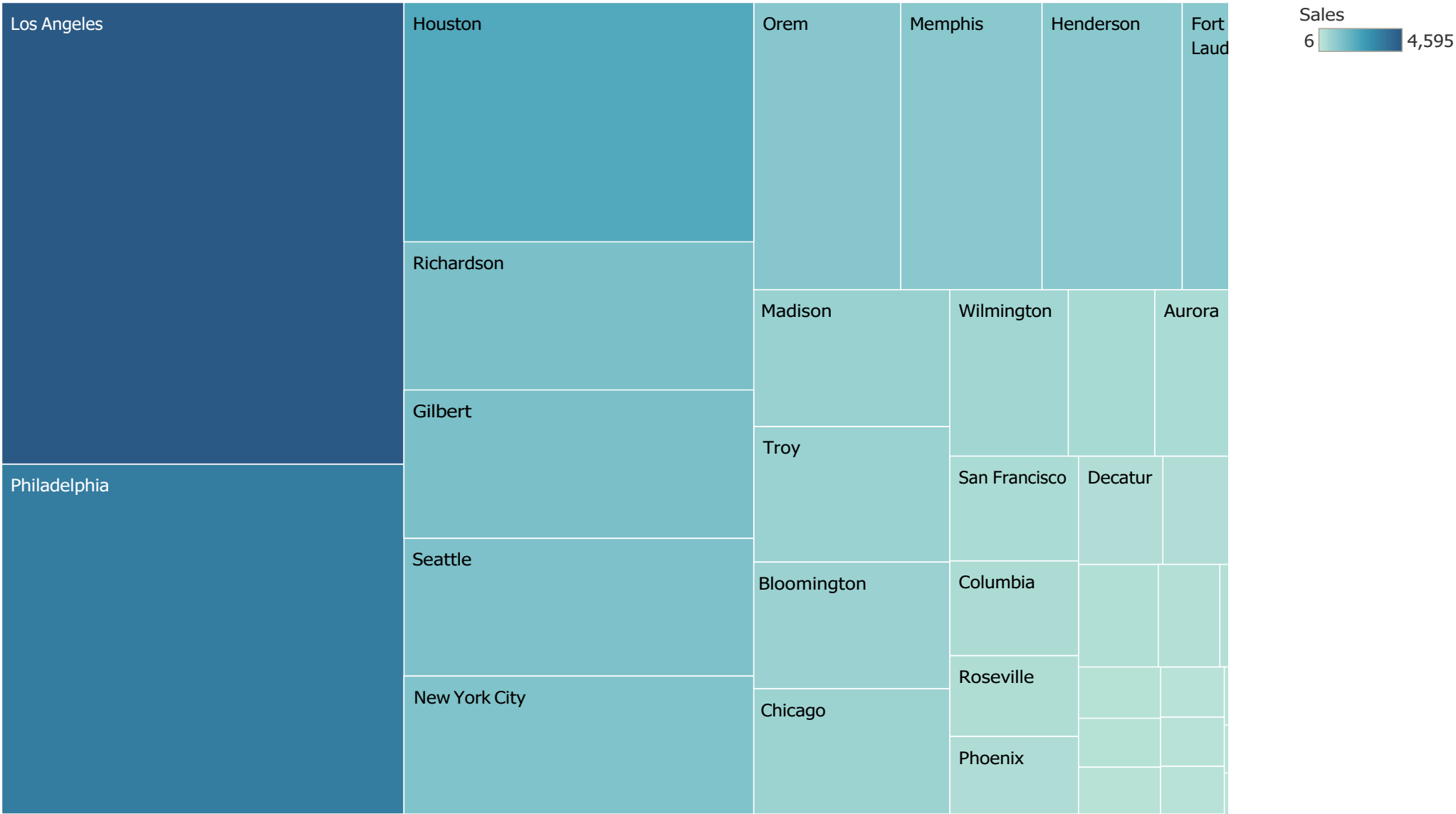
4) Creating 5 plots based on data:

Bar Chart



Sum of Sales for each Region.

Treemap



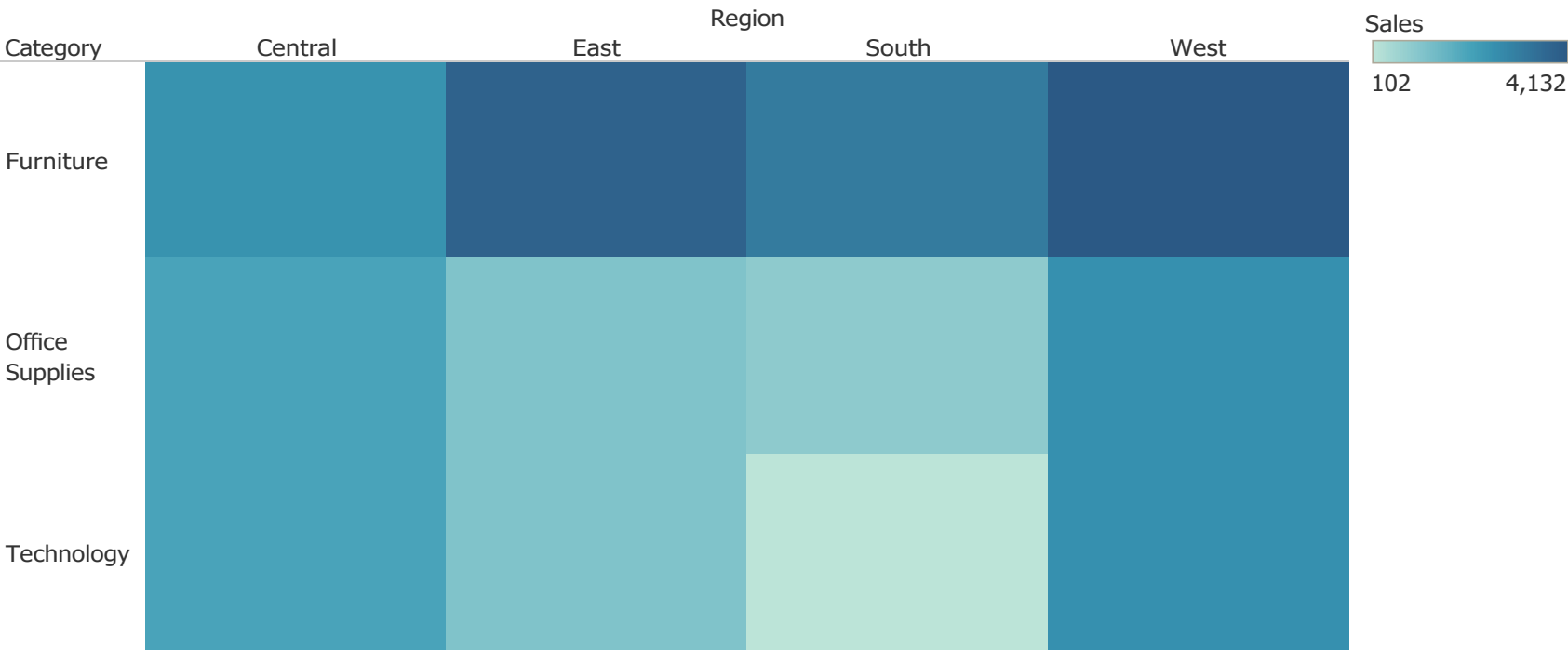
City. Color shows sum of Sales. Size shows sum of Sales. The marks are labeled by City.

Treemap



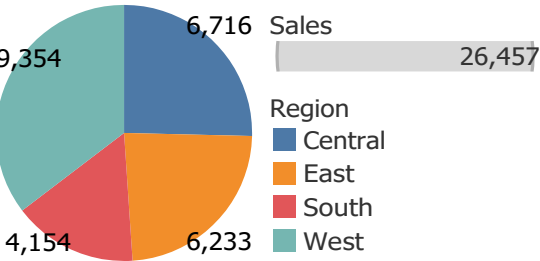
City. Color shows sum of Sales. Size shows sum of Sales. The marks are labeled by City.

Heat Map



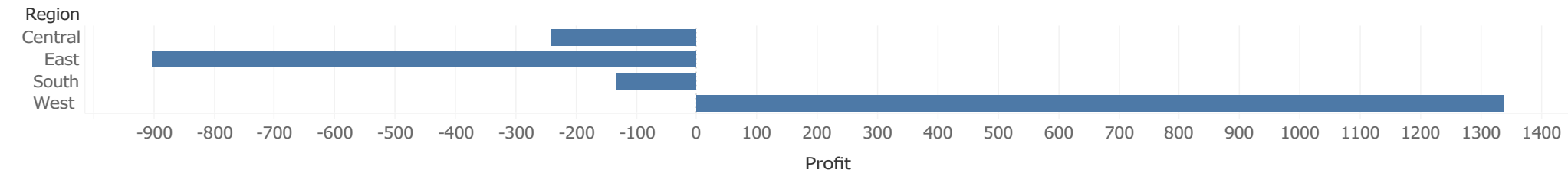
Sum of Sales (color) broken down by Region vs. Category.

Pie Chart



Region (color) and
sum of Sales (size).

Horizontal Bar chart



Sum of Profit for each Region.