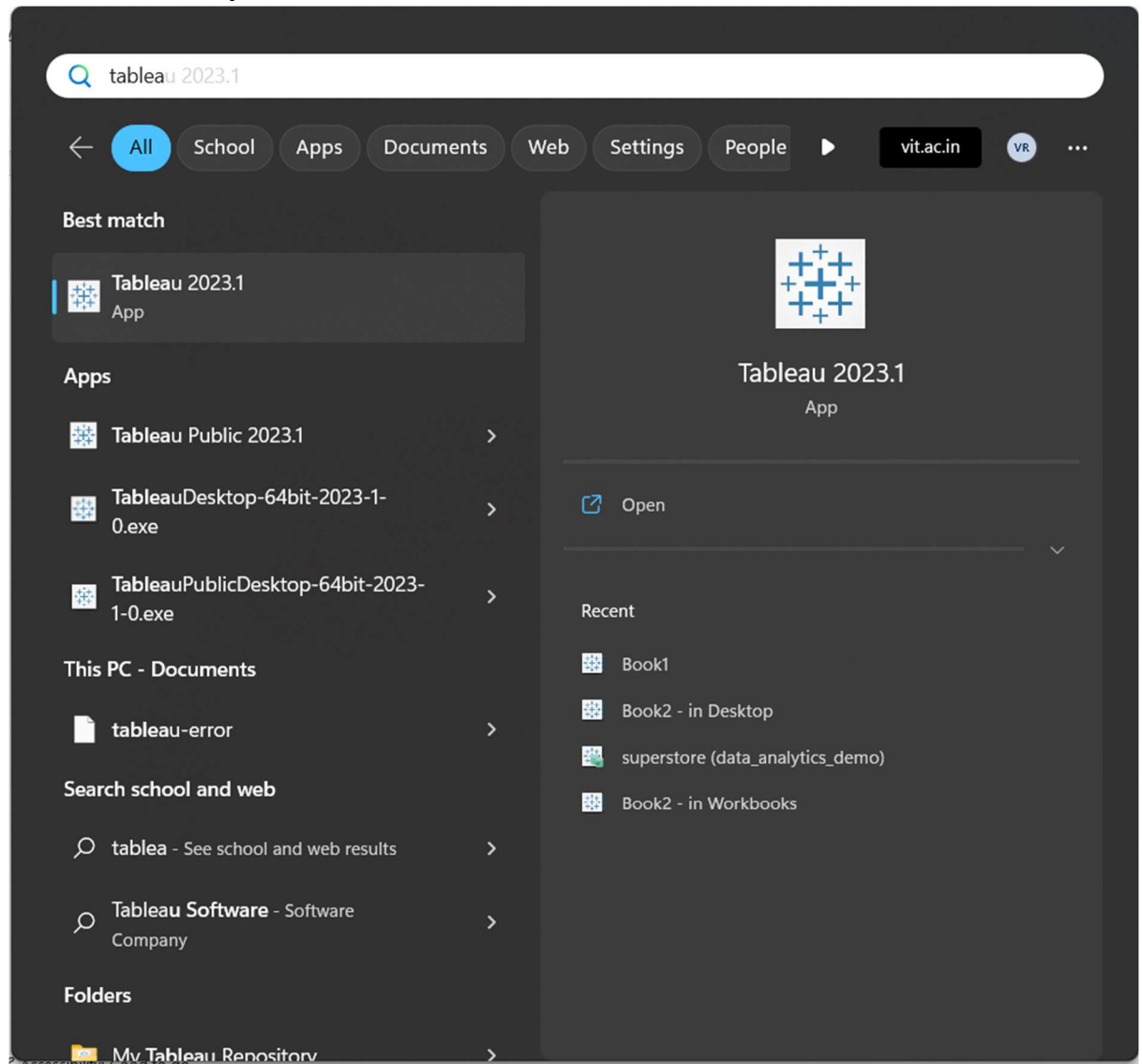


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## Assignment -1

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

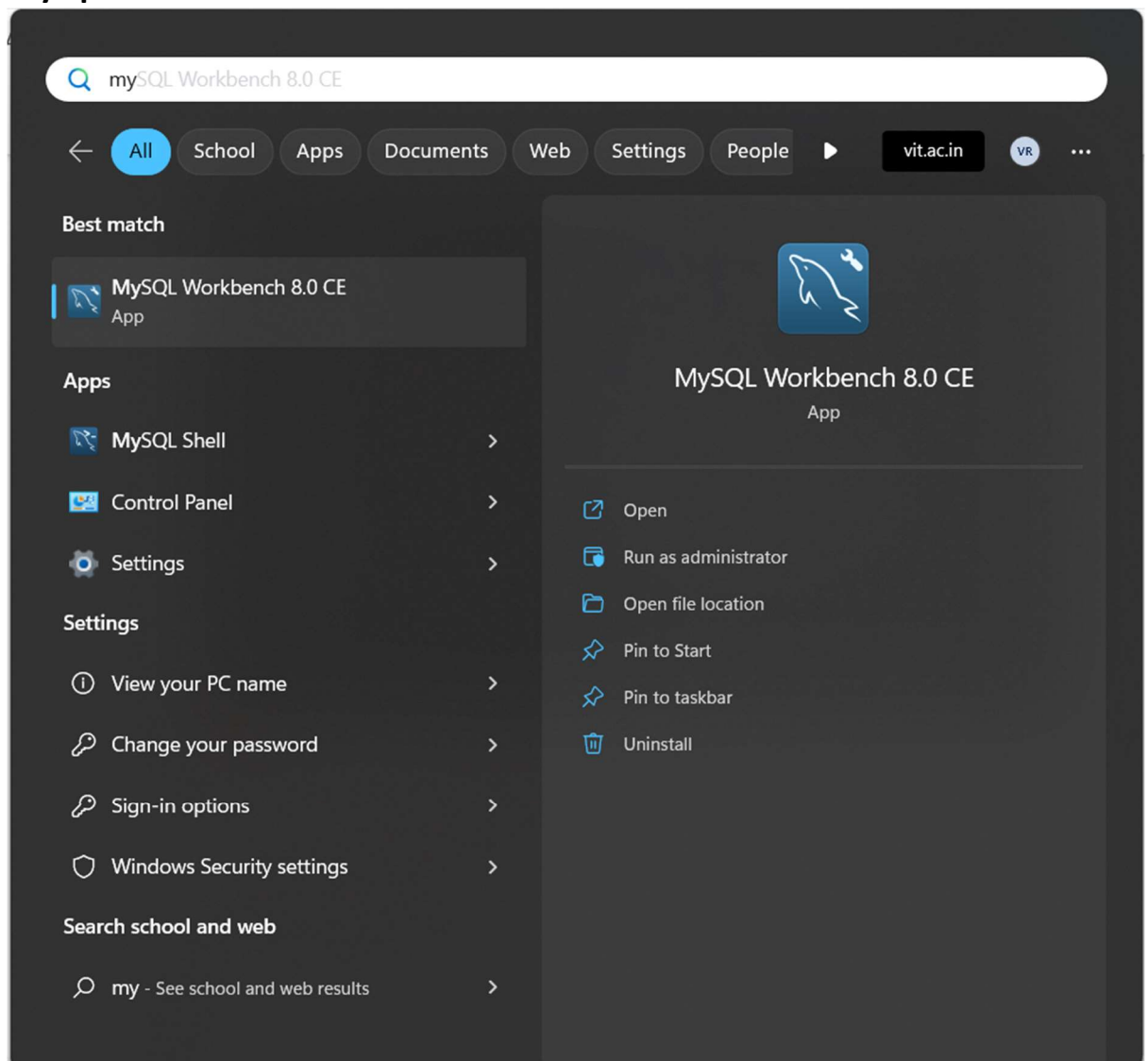
Tableau desktop:



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Mysql:



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

The screenshot displays the MySQL Workbench interface. The top toolbar includes options like File, Edit, View, Query, Database, Server, Tools, Scripting, and Help. The left sidebar shows the 'Schemas' list with 'da\_assignment\_1' selected. The main workspace shows the 'Schema' tab for 'da\_assignment\_1', with fields for Name, Charset/Collation, and an 'Apply' button. Below this, the 'Output' tab shows a list of actions and their messages.

#	Time	Action	Message	Duration / Fetch
1	11:53:29	Apply changes to da_assignment_1	Changes applied	
2	11:53:57	SHOW SESSION VARIABLES LIKE 'lower_case_table_names'	OK	0.000 sec
3	11:53:57	SHOW DATABASES	OK	0.000 sec
4	11:54:42	SHOW SESSION VARIABLES LIKE 'lower_case_table_names'	OK	0.000 sec
5	11:54:42	SHOW TABLES FROM 'da_assignment_1' like 'superstoredata'	OK	0.000 sec
6	11:54:46	CREATE TABLE 'da_assignment_1'.'superstoredata' ('Row ID' int, 'Order ID' text, 'Order Date' text, 'Ship Date' t...	OK	0.000 sec
7	11:54:46	PREPARE stmt FROM 'INSERT INTO 'da_assignment_1'.'superstoredata' ('Row ID', 'Order ID', 'Order Date', 'Ship...	OK	0.000 sec
8	11:54:47	DEALLOCATE PREPARE stmt	OK	0.000 sec

Below the main workspace, a 'Table Data Import' dialog box is open, showing the 'Select Destination' tab. It allows selecting a destination table and additional options. The 'Create new table' option is selected, with 'da\_assignment\_1' as the schema and 'superstoredata' as the table name.

The bottom status bar shows the system temperature as 36°C and the date as 20-05-2023.

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AdministrationSchemas

Information

Schema:  
da\_assignment\_1

ApplyRevertContext HelpSnippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	11:53:29	Apply changes to da_assignment_1	Changes applied	
2	11:53:57	SHOW SESSION VARIABLES LIKE 'lower_case_table_names'	OK	0.000 sec
3	11:53:57	SHOW DATABASES	OK	0.000 sec
4	11:54:42	SHOW SESSION VARIABLES LIKE 'lower_case_table_names'	OK	0.000 sec
5	11:54:42	SHOW TABLES FROM 'da_assignment_1' like 'superstoredata'	OK	0.000 sec
6	11:54:46	CREATE TABLE 'da_assignment_1'.'superstoredata' ('Row ID' int, 'Order ID' text, 'Order Date' text, 'Ship Date' t...	OK	0.000 sec
7	11:54:46	PREPARE stmt FROM 'INSERT INTO 'da_assignment_1'.'superstoredata' ('Row ID','Order ID','Order Date','Ship...	OK	0.000 sec
8	11:54:47	DEALLOCATE PREPARE stmt	OK	0.000 sec

Object InfoSession

36°C  
Partly sunny

ENG  
IN

11:55  
20-05-2023

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**3) Connect your Mysql and Tableau**

The screenshot shows the Tableau Desktop interface. On the left is the 'Connect' pane with options like 'Tableau Server', 'To a File', and 'To a Server'. The 'To a Server' section is expanded, showing 'Microsoft SQL Server', 'Oracle', 'Amazon Redshift', 'MySQL', and 'More...'. The 'MySQL' option is selected. A 'MySQL' connection dialog box is open in the center, showing the 'General' tab. The fields are: Server: localhost, Port: 3306, Database: da\_assignment\_1, Username: root, Password: (masked with dots), and 'Require SSL' is unchecked. There is a 'Sign In' button at the bottom right of the dialog. In the background, the 'Open' pane shows 'Book2' with a bar chart and 'Accelerators' like 'Superstore', 'Regional', and 'World Indicators'. The bottom status bar shows '36°C Partly sunny'.

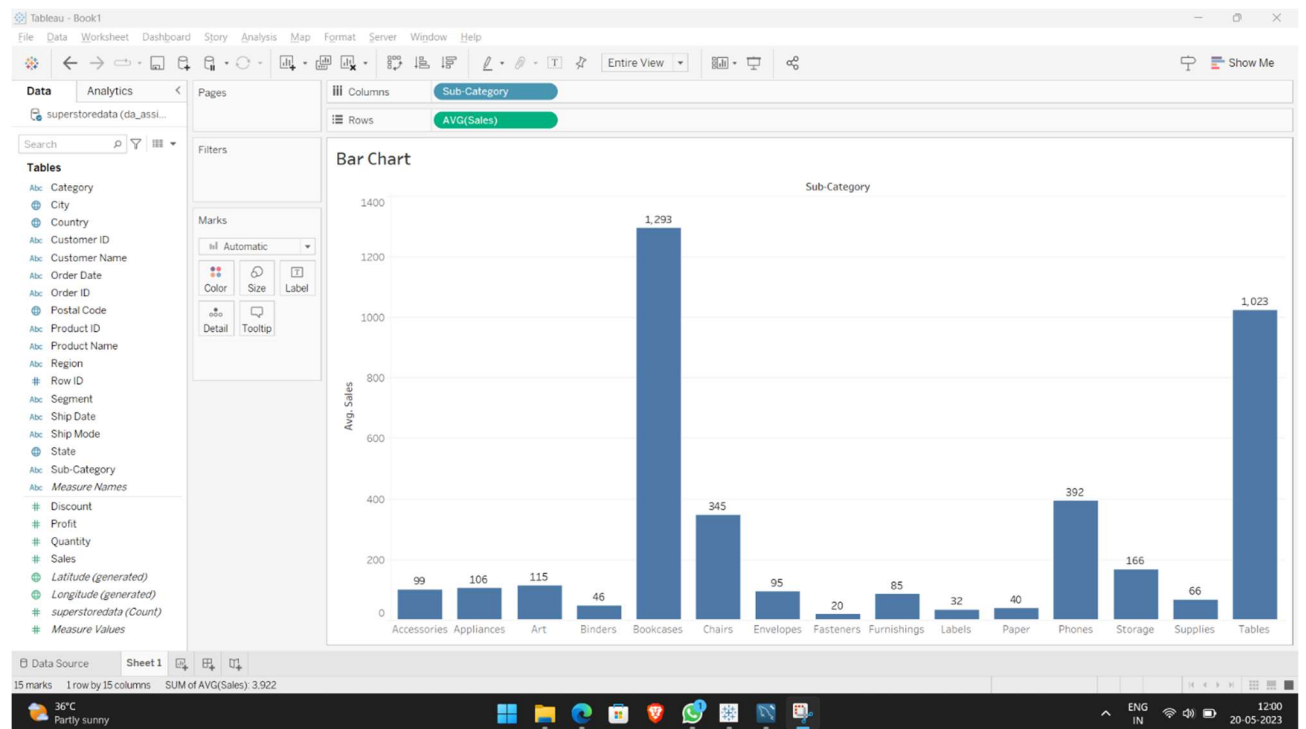
The screenshot shows the Tableau Desktop interface after connecting to the MySQL database. The 'Connections' pane on the left shows 'localhost MySQL' and 'Database da\_assignment\_1'. The 'Table' pane shows 'superstoredata'. The main view displays the 'superstoredata' table with 21 fields and 138 rows. The table has columns: Row ID, Order ID, Order Date, Ship Date, Ship Mode, Customer ID, and Customer Name. The bottom status bar shows '36°C Partly sunny'.

#	superstoredata	superstoredata	superstoredata	superstoredata	superstoredata	superstoredata
Row ID	Order ID	Order Date	Ship Date	Ship Mode	Customer ID	Customer Name
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

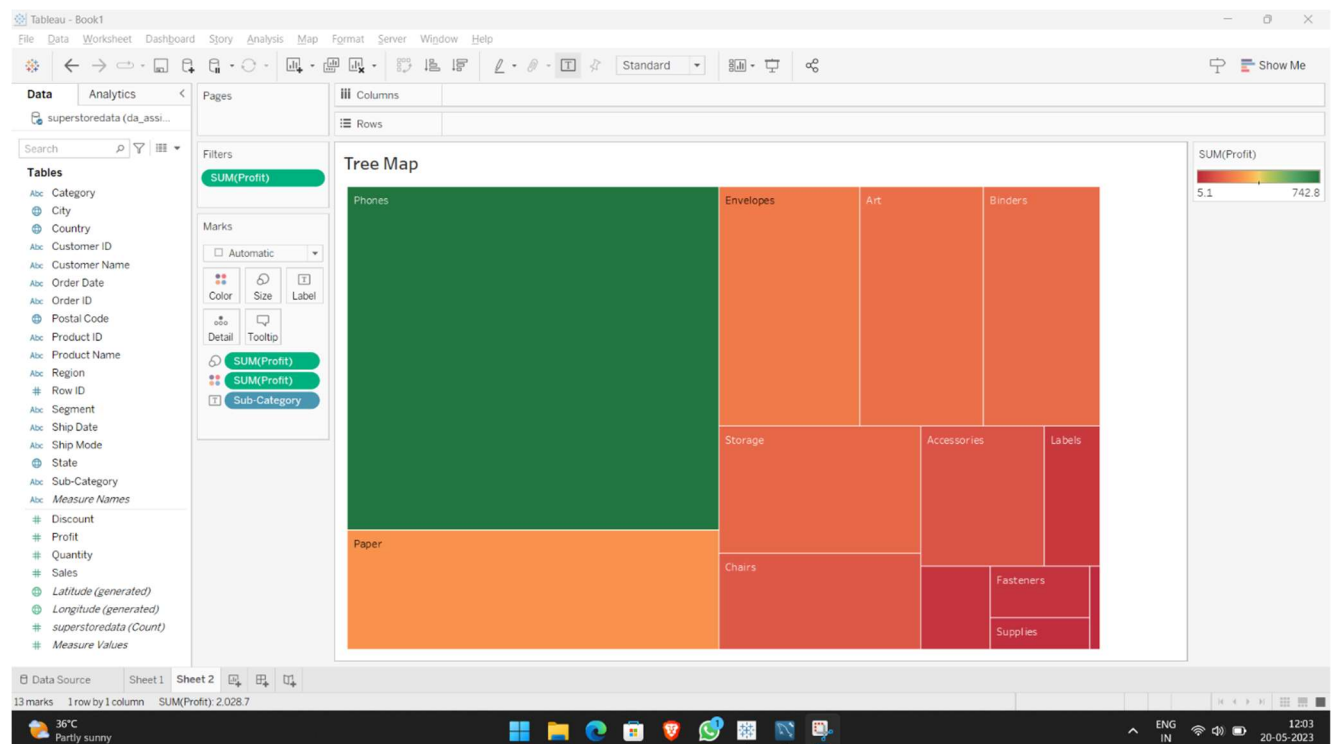
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#### 4) Create the below 5 charts/plots

##### ● Bar chart

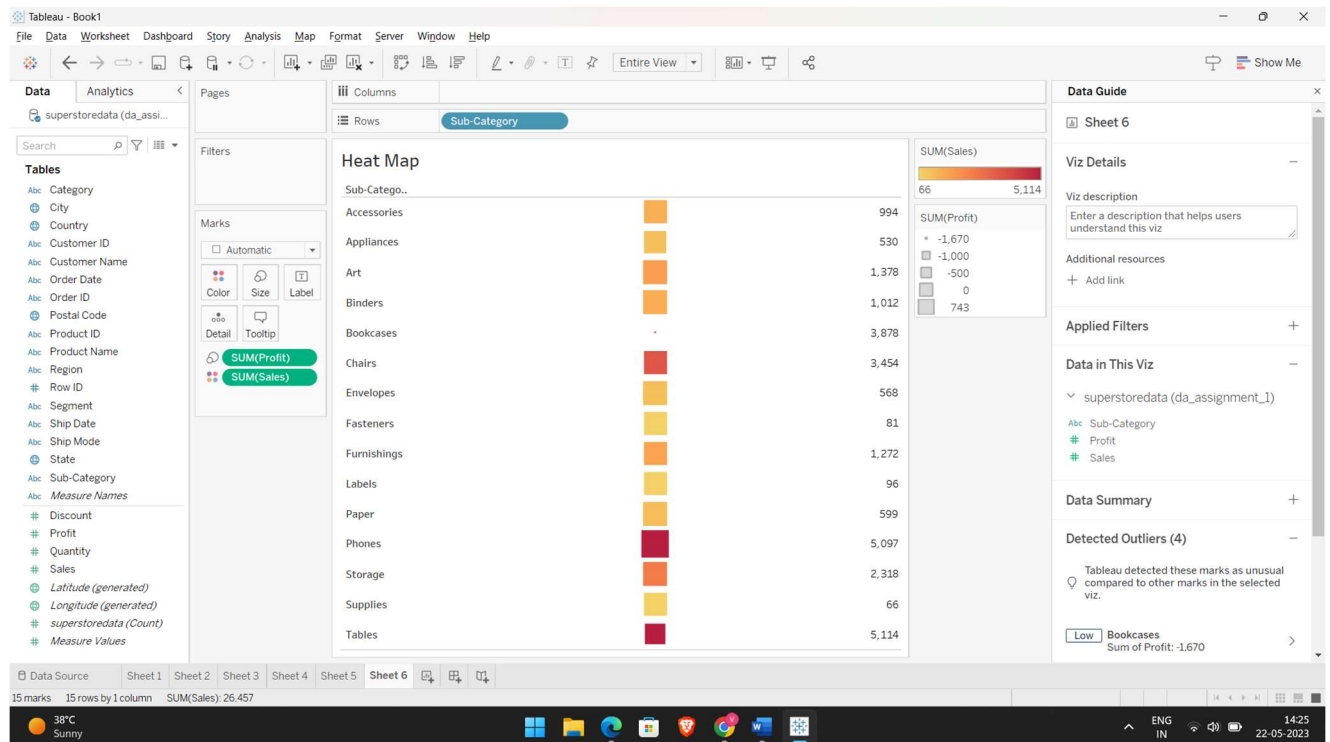


##### ● Tree map

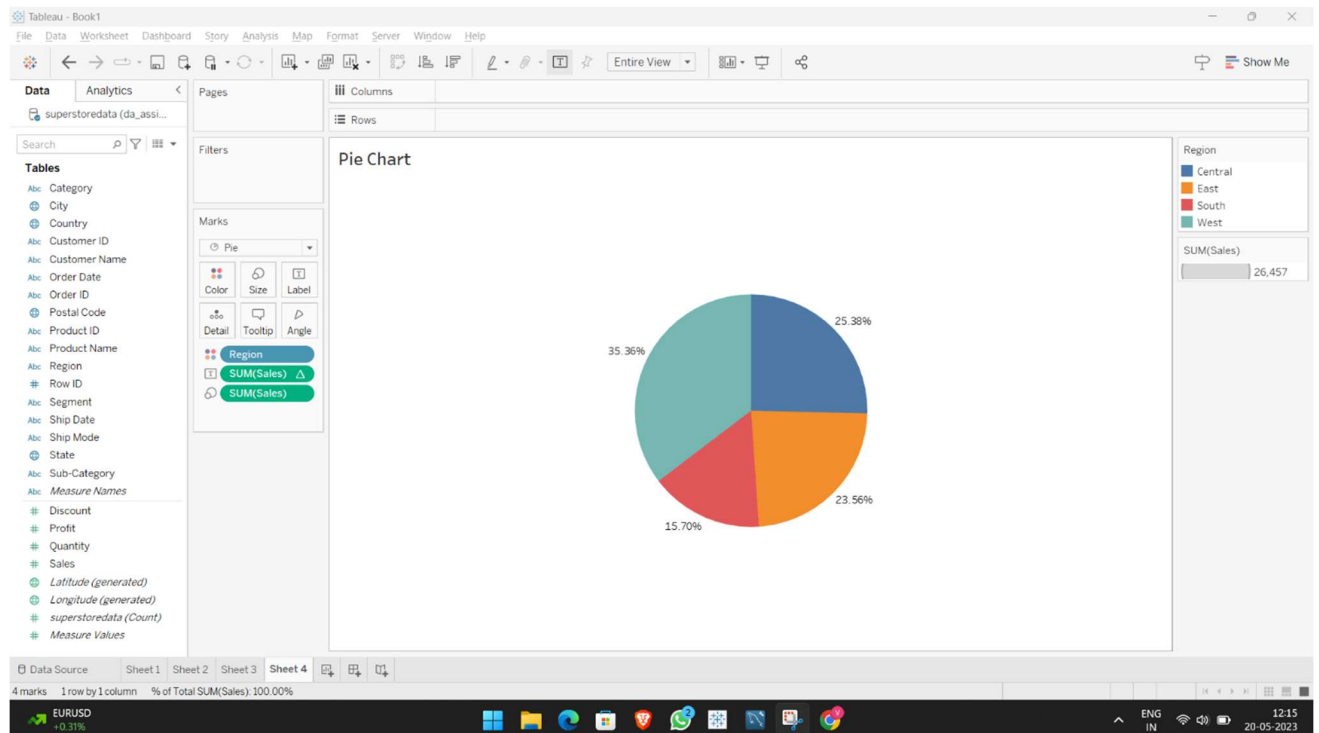


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## ● Heatmap



## ● Pie chart



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## ● Horizontal bar chart

