Experiment- 11

Program to demonstrate the Sort and Filters, Basic sorting and Basic filters:

To demonstrate the basic sorting and filtering, we follow the following steps by using a sample dataset.

STEP-1: Connecting to the Dataset: Select the sample superstore dataset after opening the tableau.

STEP-2: Creating a simple Table visualization:

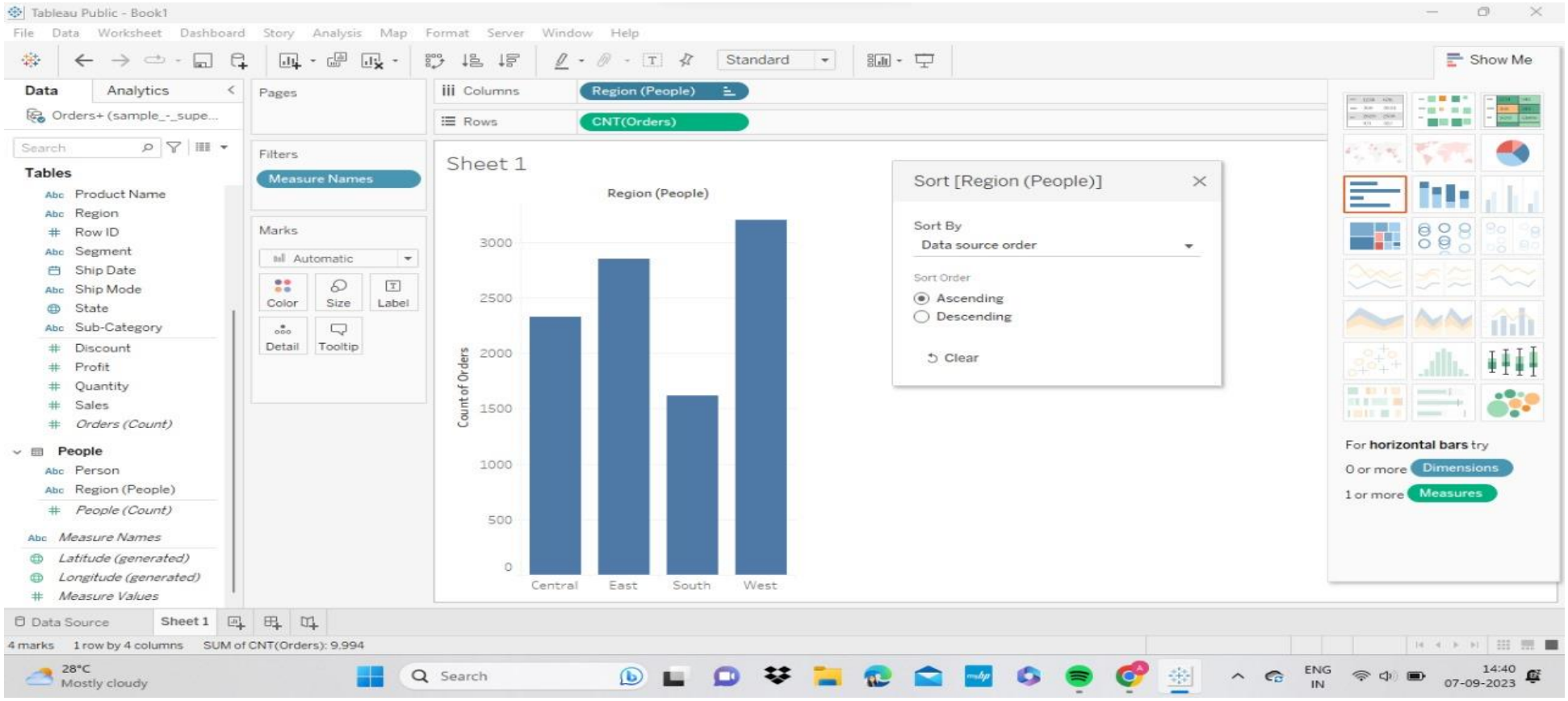
Drag and drop the “Category” field into the columns shelf and the “Sales” field into the rows shelf.

STEP-3: Basic Sorting:

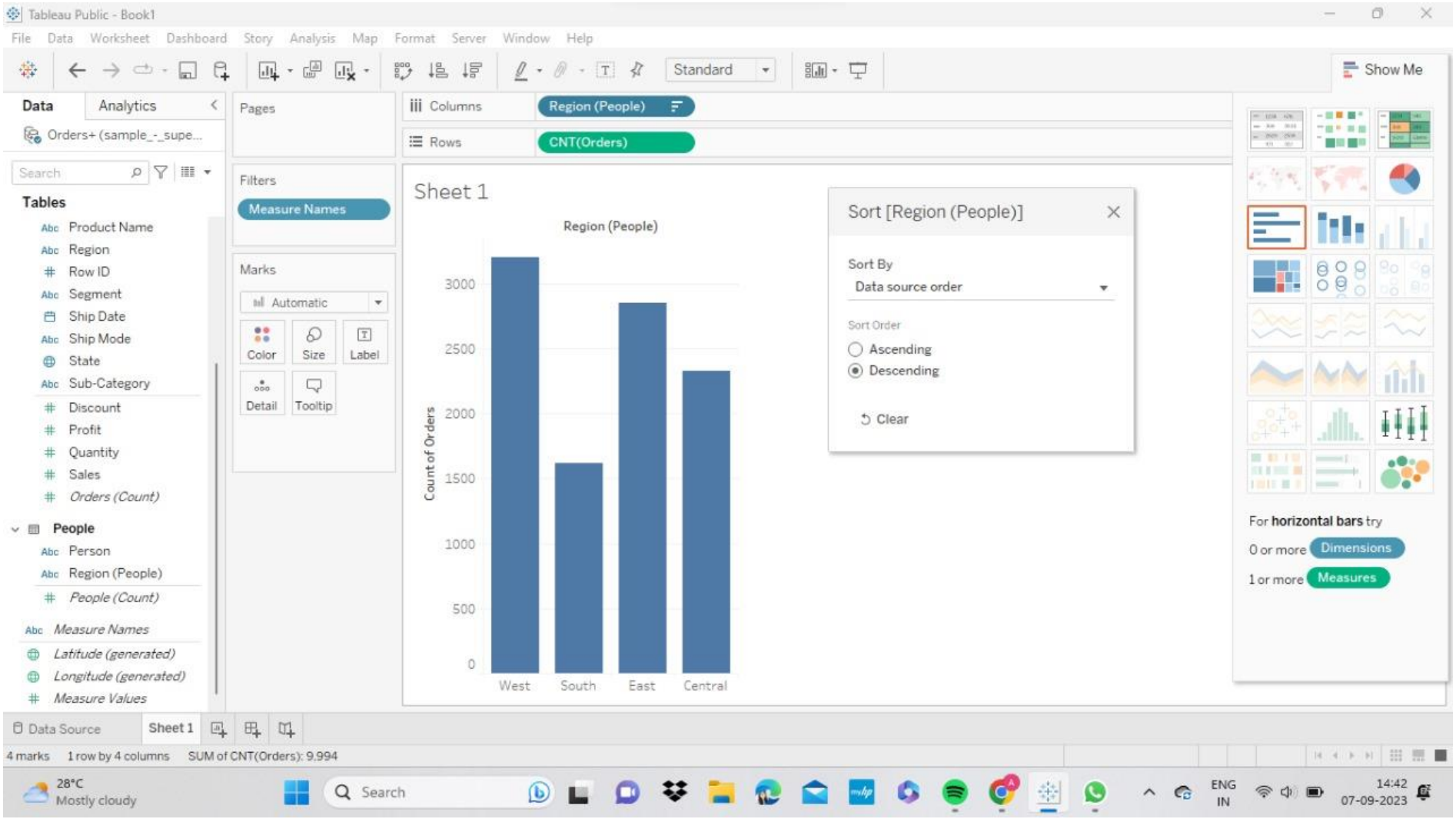
To sort a column in ascending order, just click on the triangle-shaped icon next to the column header and select “Sort Ascending” as shown in the below first screenshot.

To sort a column in descending order, just click on the triangle-shaped icon next to the column header and select “Sort Descending” as shown in the below second screenshot.

Basic Sorting: Ascending



Basic Sorting: Descending



STEP-4: Basic Filtering:

To apply a basic filter:

Drag the Category field and drop it in the “Filters” shelf. Then a filter control will appear, that allows us to select the categories that we wanted to add in the visualization.

We can also just right-click on the category shelf and choose “show filter” to add the filters.

It appears as shown in the below first Screenshot.

For more complex filtering:

Right-click on the filter control and choose “Filter”. Here we can set various filter conditions as shown in the below second screenshot.

For adding multiple filters:

Drag and drop additional filters into the “filters” shelf, there we can apply filters in combinations to refine the data. As shown in the below Screenshots.

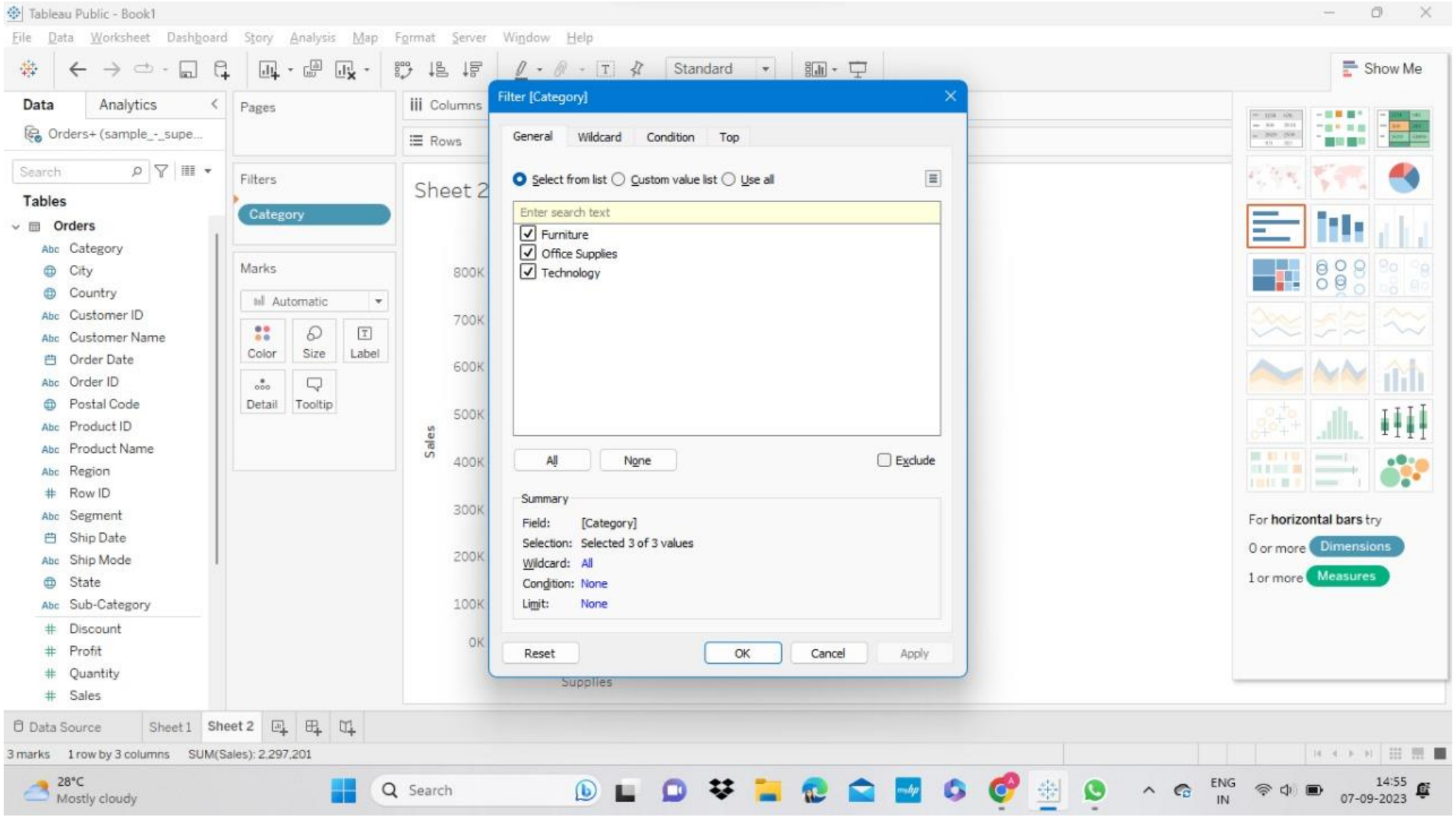


Tableau Public - Book1
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Standard
Show Me
Data
Analytics
Orders+ (sample_-_supe...
Search
Tables
Orders
Abc Category
City
Country
Abc Customer ID
Abc Customer Name
Order Date
Abc Order ID
Postal Code
Abc Product ID
Abc Product Name
Abc Region
Row ID
Abc Segment
Ship Date
Abc Ship Mode
State
Abc Sub-Category
Discount
Profit
Quantity
Sales
Pages
Filters
Category
Marks
Automatic
Color
Size
Label
Detail
Tooltip
Columns
Rows
Sheet 2
800K
700K
600K
500K
400K
300K
200K
100K
0K
Sales
Supplies
Filter [Category]
General
Wildcard
Condition
Top
Select from list
Custom value list
Use all
Enter search text
Furniture
Office Supplies
Technology
All
None
Exclude
Summary
Field: [Category]
Selection: Selected 3 of 3 values
Wildcard: All
Condition: None
Limit: None
Reset
OK
Cancel
Apply
For horizontal bars try
0 or more Dimensions
1 or more Measures
Data Source
Sheet 1
Sheet 2
3 marks
1 row by 3 columns
SUM(Sales): 2,297,201
28°C
Mostly cloudy
Search
ENG
IN
14:55
07-09-2023

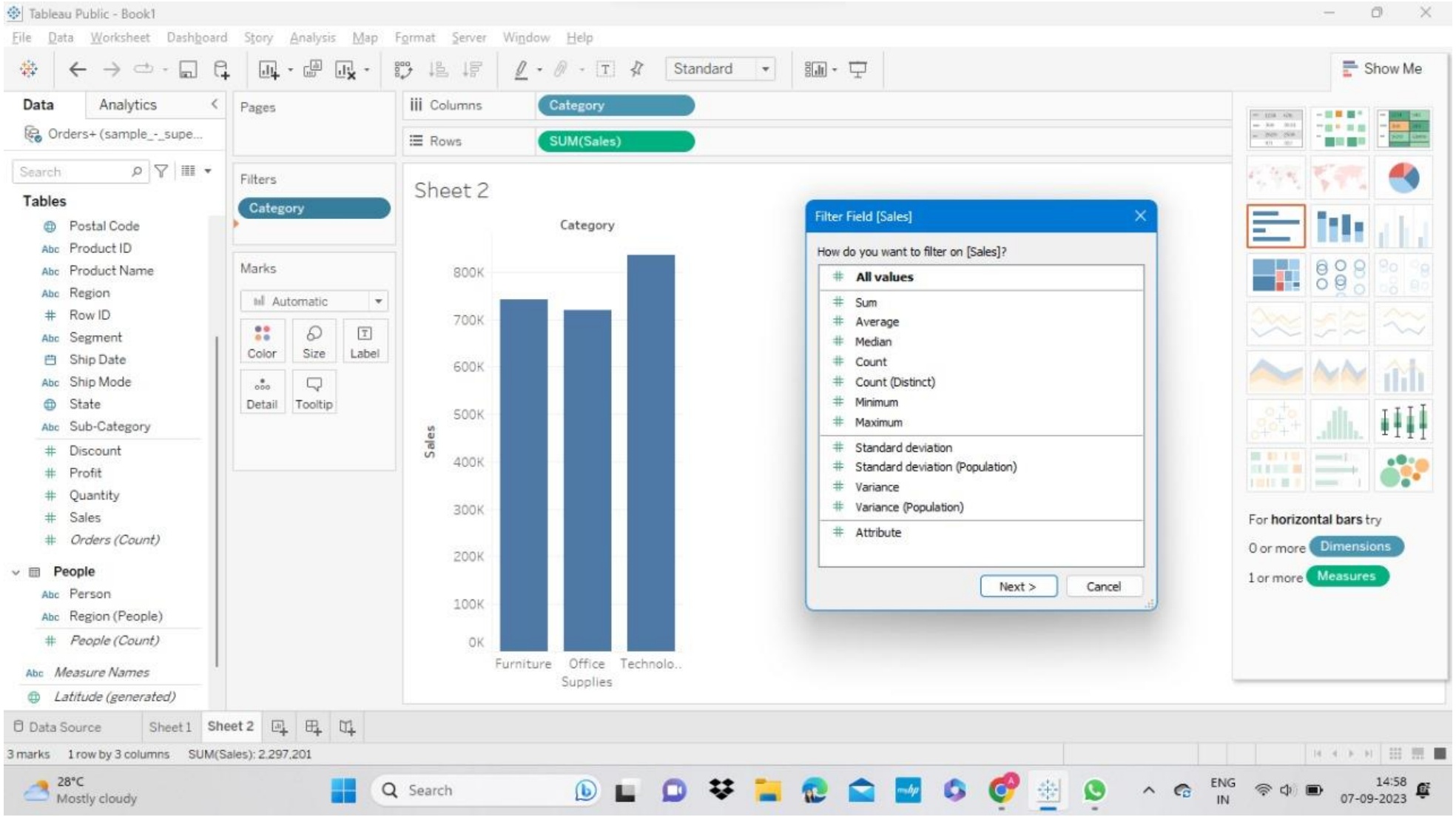
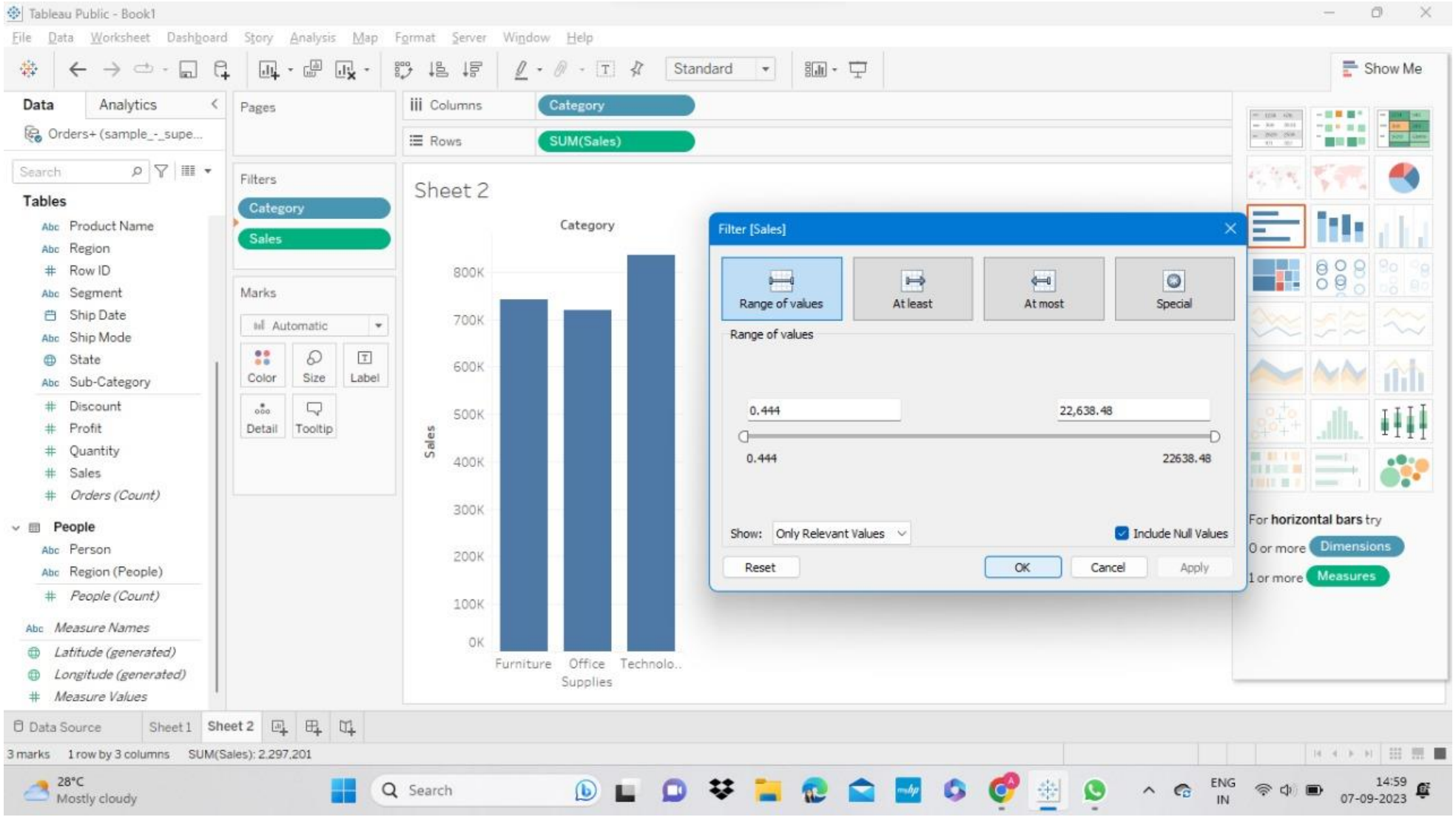


Tableau Public - Book1
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Standard
Show Me
Data
Analytics
Orders+ (sample_-_supe...
Search
Tables
Postal Code
Product ID
Product Name
Region
Row ID
Segment
Ship Date
Ship Mode
State
Sub-Category
Discount
Profit
Quantity
Sales
Orders (Count)
People
Person
Region (People)
People (Count)
Measure Names
Latitude (generated)
Pages
Filters
Category
Marks
Automatic
Color
Size
Label
Detail
Tooltip
Columns
Category
Rows
SUM(Sales)
Sheet 2
Category
Sales
800K
700K
600K
500K
400K
300K
200K
100K
0K
Furniture
Office Supplies
Technolo..
Filter Field [Sales]
How do you want to filter on [Sales]?
All values
Sum
Average
Median
Count
Count (Distinct)
Minimum
Maximum
Standard deviation
Standard deviation (Population)
Variance
Variance (Population)
Attribute
Next >
Cancel
For horizontal bars try
0 or more Dimensions
1 or more Measures
Data Source
Sheet 1
Sheet 2
3 marks
1 row by 3 columns
SUM(Sales): 2,297,201
28°C
Mostly cloudy
Search
ENG
IN
14:58
07-09-2023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Standard
Show Me
Data
Analytics
Orders+ (sample_-_supe...
Search
Tables
Abc Product Name
Abc Region
Row ID
Abc Segment
Ship Date
Abc Ship Mode
State
Abc Sub-Category
Discount
Profit
Quantity
Sales
Orders (Count)
People
Abc Person
Abc Region (People)
People (Count)
Abc Measure Names
Latitude (generated)
Longitude (generated)
Measure Values
Pages
Filters
Category
Sales
Marks
Automatic
Color
Size
Label
Detail
Tooltip
Columns
Category
Rows
SUM(Sales)
Sheet 2
Category
Sales
800K
700K
600K
500K
400K
300K
200K
100K
0K
Furniture
Office Supplies
Technolo..
Filter [Sales]
Range of values
At least
At most
Special
Range of values
0.444
22,638.48
0.444
22638.48
Show:
Only Relevant Values
Include Null Values
Reset
OK
Cancel
Apply
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0 or more
Dimensions
1 or more
Measures
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IN
14:59
07-09-2023