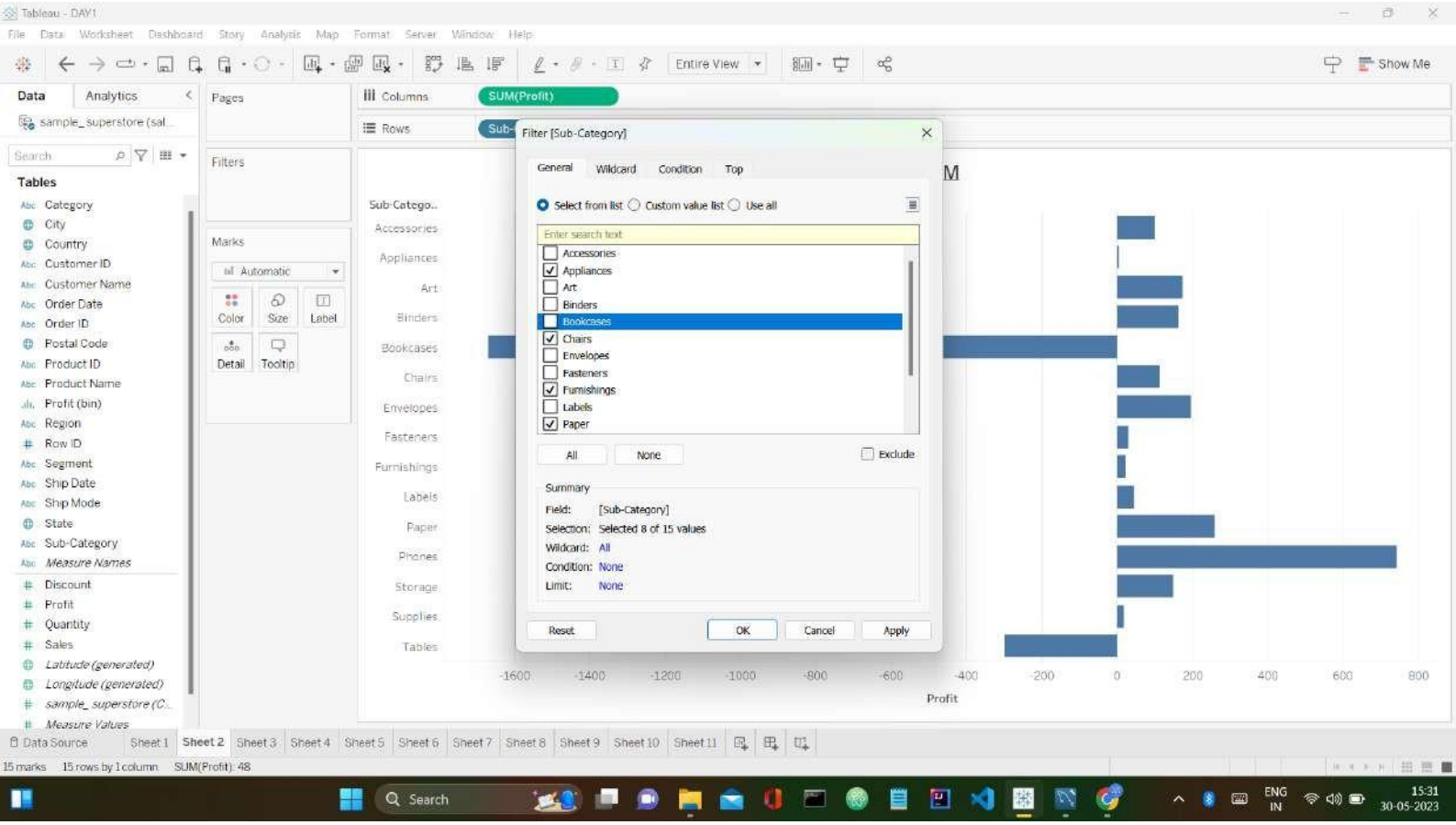
SMART INTERNZ (DATA ANALYTICS)
ASSIGNMENT - 2
20BAI10142 – ADITYA KUMAR MISHRA

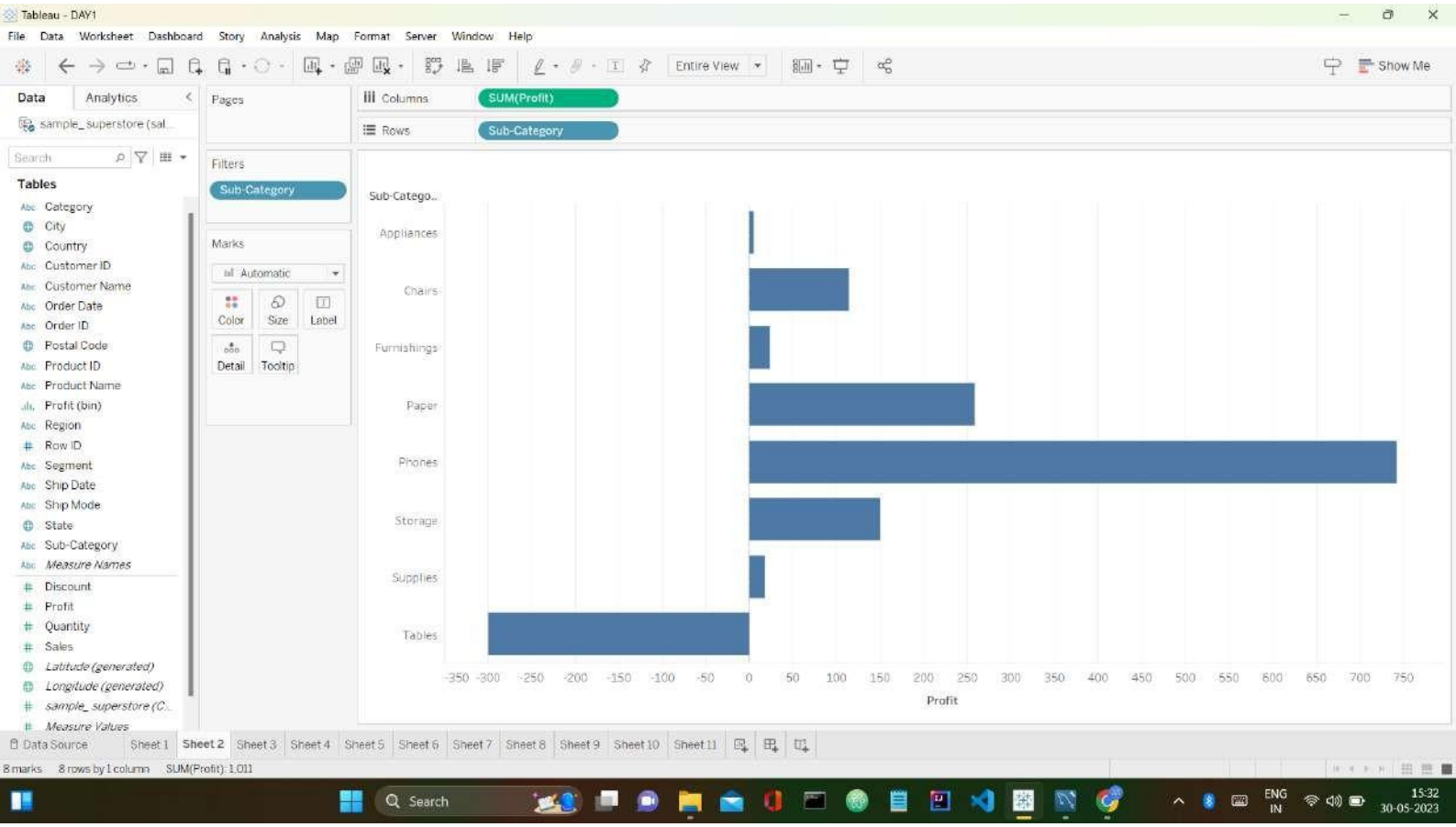
VIT BHOPAL CAMPUS

1) Create any 7 data visualizations/charts and perform the following:-
Apply dimension filter, context and measure filter on any of the three visualizations

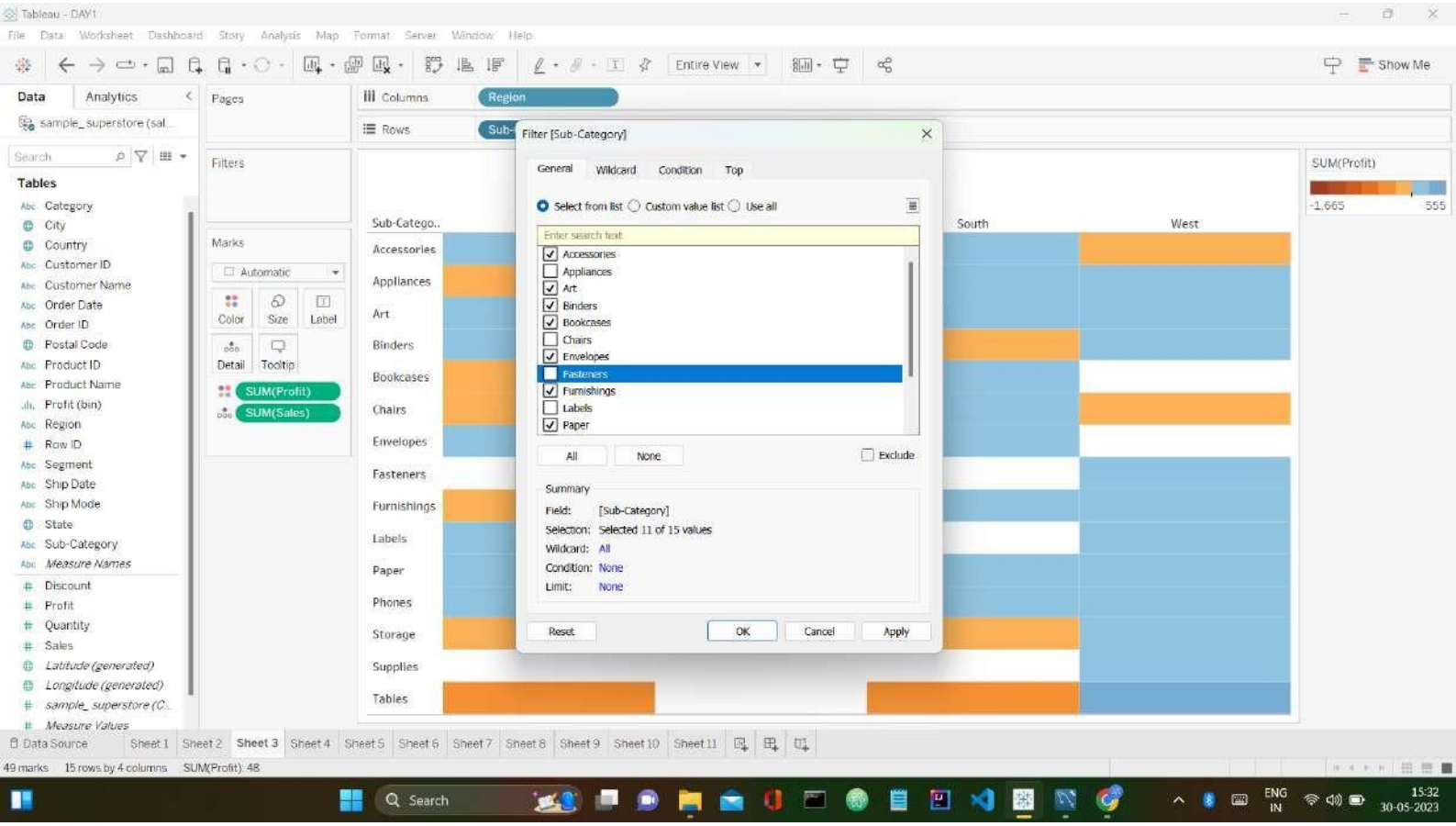
Dimension filter:-



Horizontal Bar:



Dimension Filter:-



HEAT MAP:-

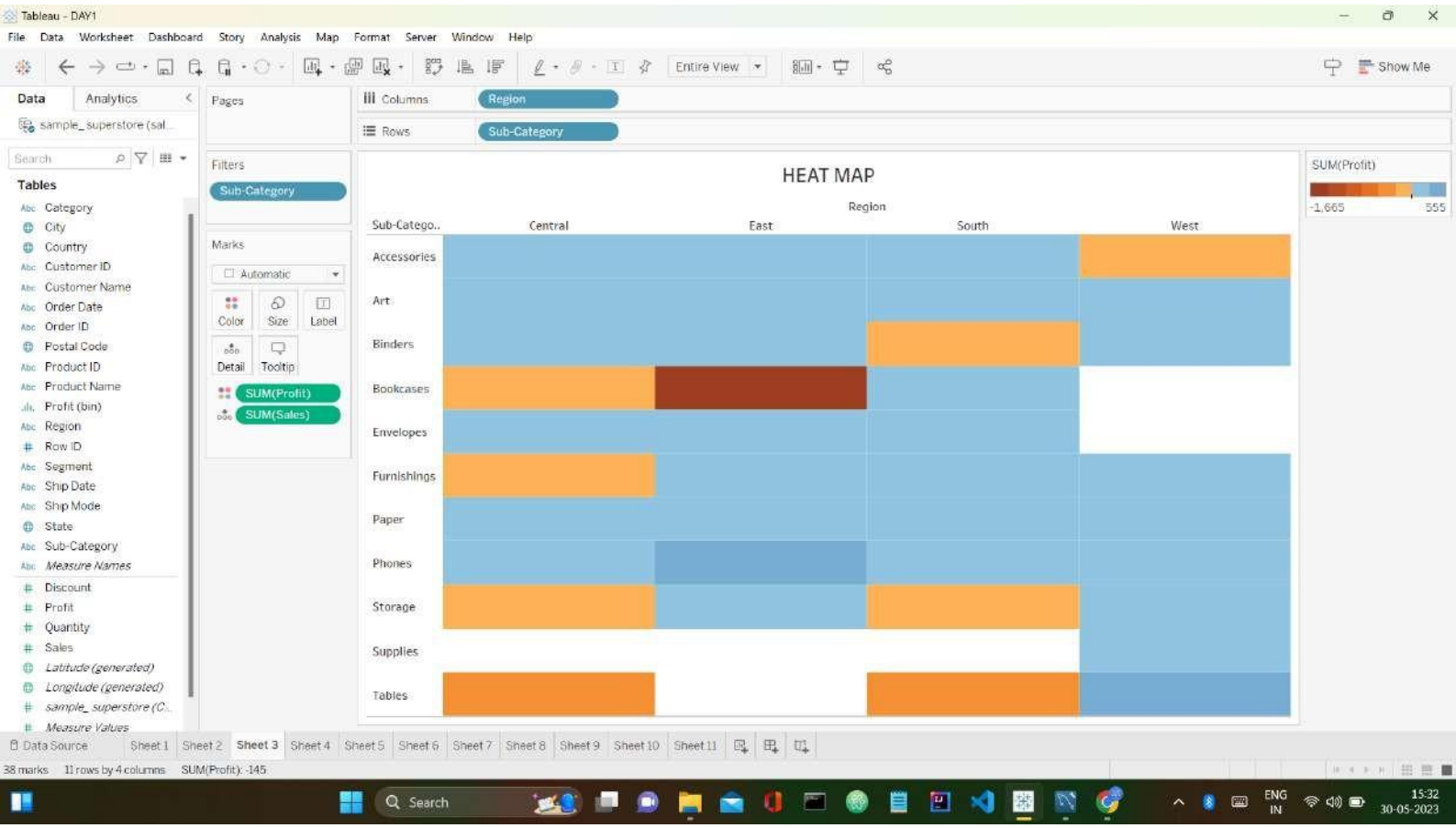


Tableau - DAY1
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Entire View
Show Me
Data
Analytics
sample_superstore (sal...
Search
Tables
Abc Category
City
Country
Abc Customer ID
Abc Customer Name
Abc Order Date
Abc Order ID
Postal Code
Abc Product ID
Abc Product Name
Profit (bin)
Abc Region
Row ID
Abc Segment
Abc Ship Date
Abc Ship Mode
State
Abc Sub-Category
Abc Measure Names
Discount
Profit
Quantity
Sales
Latitude (generated)
Longitude (generated)
sample_ superstore (C...
Measure Values
Pages
Columns
Region
Rows
Sub-Category
Filters
Sub-Category
Marks
Automatic
Color
Size
Label
Detail
Tooltip
SUM(Profit)
SUM(Sales)
HEAT MAP
Region
Sub-Catego..
Central
East
South
West
Accessories
Art
Binders
Bookcases
Envelopes
Furnishings
Paper
Phones
Storage
Supplies
Tables
SUM(Profit)
-1,665
555
Data Source
Sheet 1
Sheet 2
Sheet 3
Sheet 4
Sheet 5
Sheet 6
Sheet 7
Sheet 8
Sheet 9
Sheet 10
Sheet 11
38 marks
11 rows by 4 columns
SUM(Profit): -145
Search
ENG
IN
15:32
30-05-2023

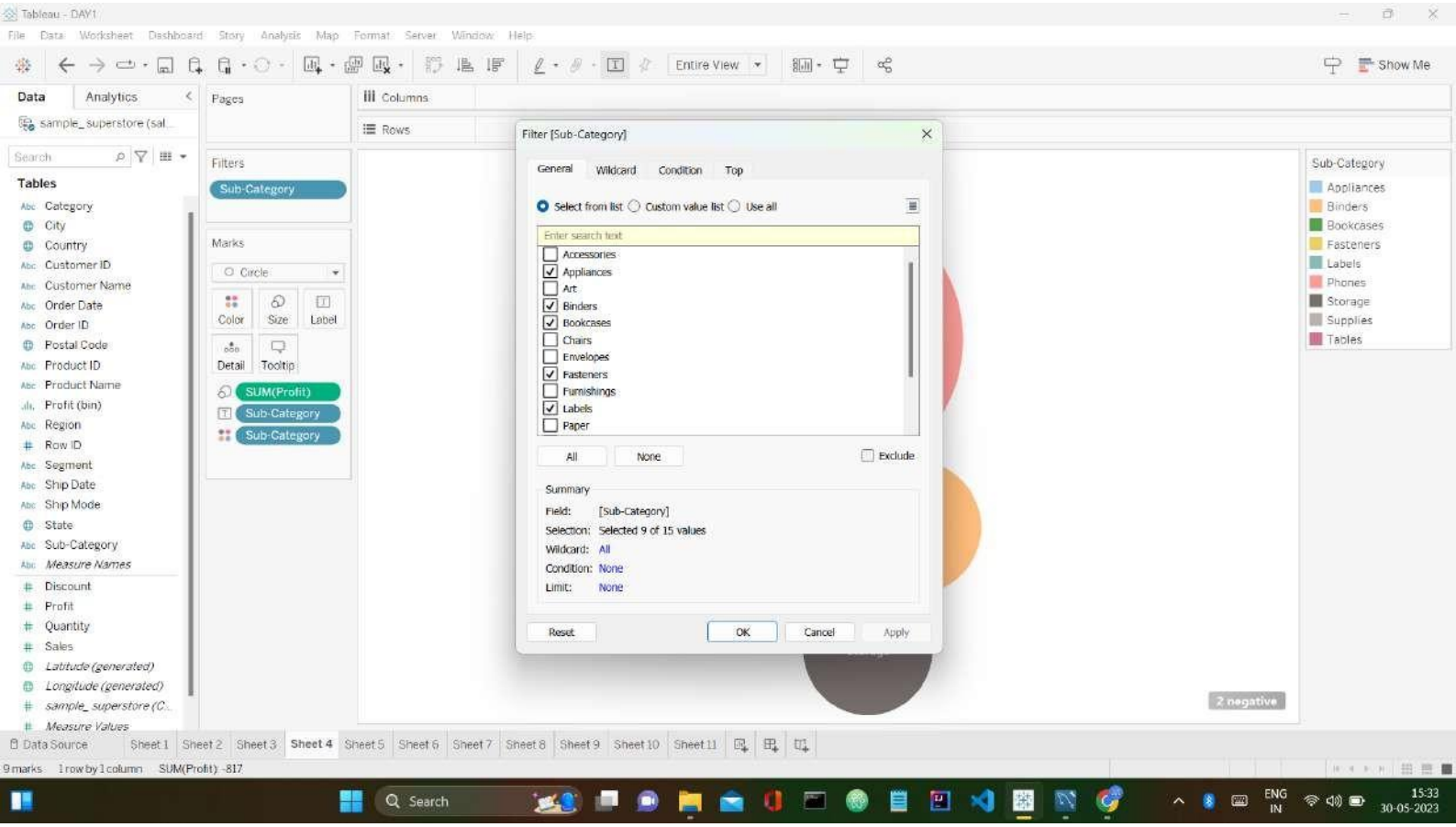
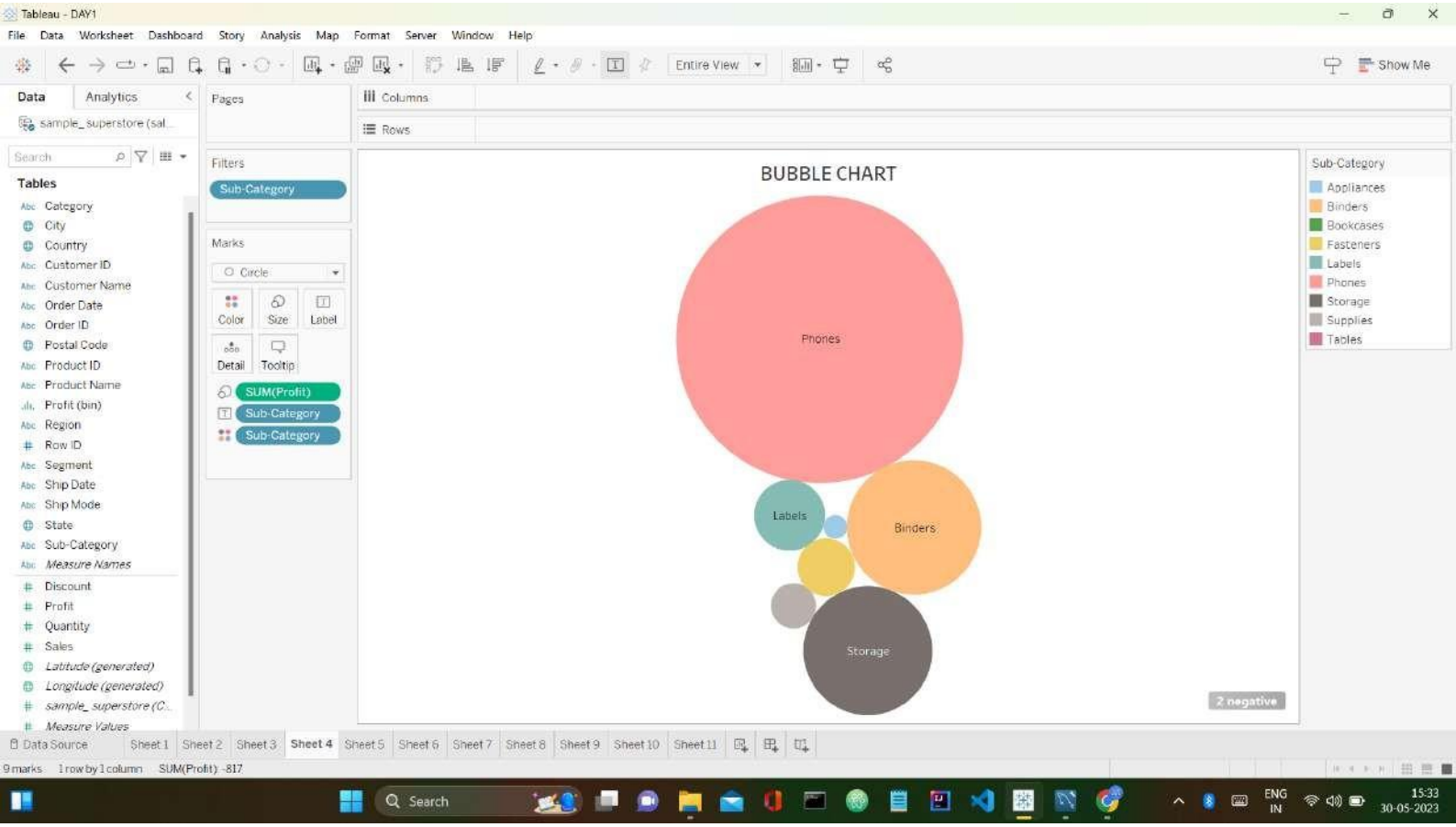


Tableau - DAY1
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Entire View
Show Me
Data
Analytics
Pages
Columns
Rows
Filters
Sub-Category
Marks
Circle
Color
Size
Label
Detail
Tooltip
SUM(Profit)
Sub-Category
Sub-Category
Tables
Category
City
Country
Customer ID
Customer Name
Order Date
Order ID
Postal Code
Product ID
Product Name
Profit (bin)
Region
Row ID
Segment
Ship Date
Ship Mode
State
Sub-Category
Measure Names
Discount
Profit
Quantity
Sales
Latitude (generated)
Longitude (generated)
sample_ superstore (C..
Measure Values
Filter [Sub-Category]
General
Wildcard
Condition
Top
Select from list
Custom value list
Use all
Enter search text
Accessories
Appliances
Art
Binders
Bookcases
Chairs
Envelopes
Fasteners
Furnishings
Labels
Paper
All
None
Exclude
Summary
Field: [Sub-Category]
Selection: Selected 9 of 15 values
Wildcard: All
Condition: None
Limit: None
Reset
OK
Cancel
Apply
Sub-Category
Appliances
Binders
Bookcases
Fasteners
Labels
Phones
Storage
Supplies
Tables
2 negative
Data Source
Sheet 1
Sheet 2
Sheet 3
Sheet 4
Sheet 5
Sheet 6
Sheet 7
Sheet 8
Sheet 9
Sheet 10
Sheet 11
9 marks
1 row by 1 column
SUM(Profit): -817
Search
ENG
IN
15:33
30-05-2023

BUBBLE CHART :-



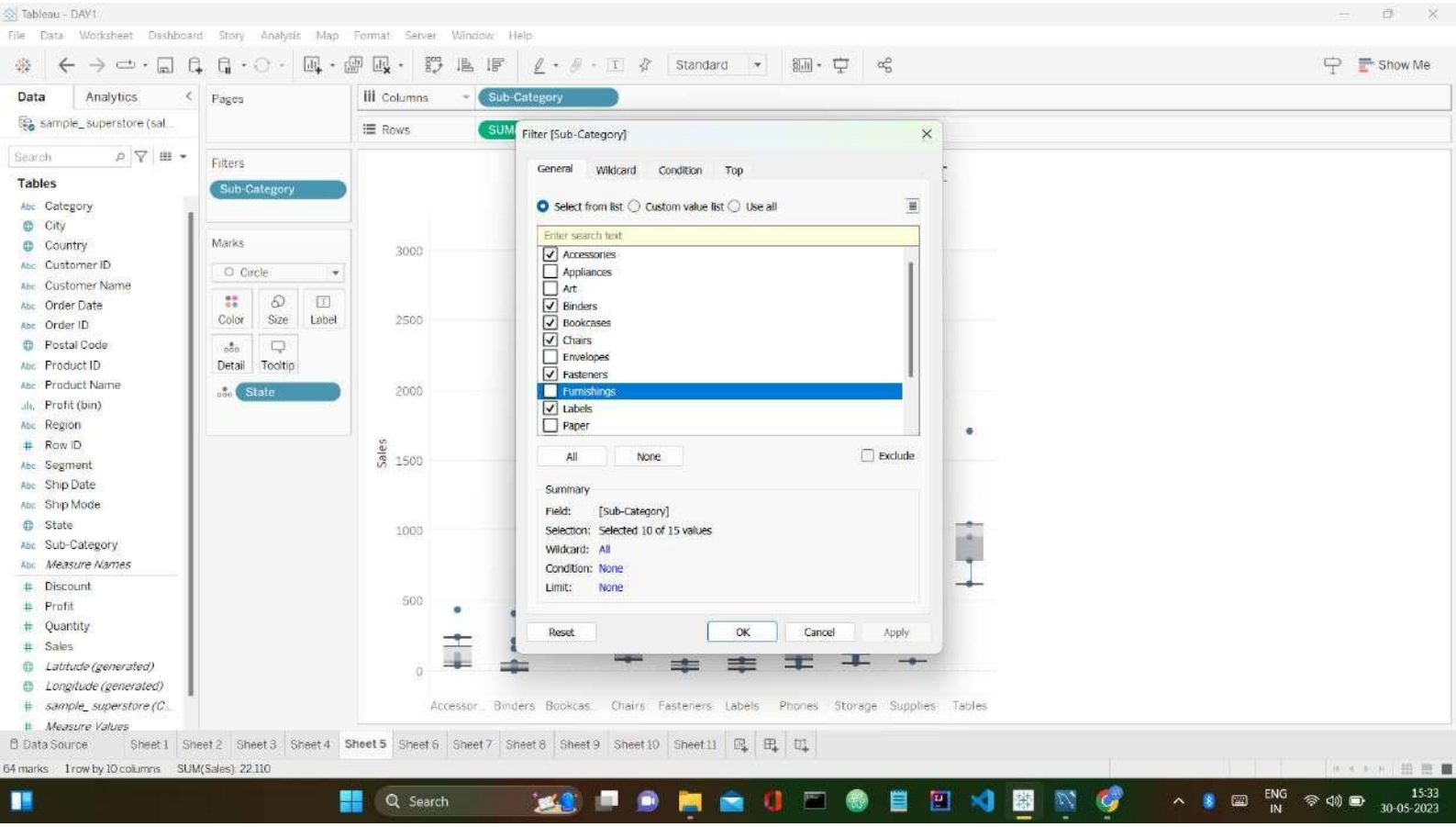


Tableau - DAY1
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Standard
Show Me
Data
Analytics
sample_superstore (sal...
Search
Tables
Category
City
Country
Customer ID
Customer Name
Order Date
Order ID
Postal Code
Product ID
Product Name
Profit (bin)
Region
Row ID
Segment
Ship Date
Ship Mode
State
Sub-Category
Measure Names
Discount
Profit
Quantity
Sales
Latitude (generated)
Longitude (generated)
sample_ superstore (C...
Measure Values
Pages
Columns
Sub-Category
Rows
SUM
Filters
Sub-Category
Marks
Circle
Color
Size
Label
Detail
Tooltip
State
Filter [Sub-Category]
General
Wildcard
Condition
Top
Select from list
Custom value list
Use all
Enter search text
Accessories
Appliances
Art
Binders
Bookcases
Chairs
Envelopes
Fasteners
Furnishings
Labels
Paper
All
None
Exclude
Summary
Field: [Sub-Category]
Selection: Selected 10 of 15 values
Wildcard: All
Condition: None
Limit: None
Reset
OK
Cancel
Apply
Sales
3000
2500
2000
1500
1000
500
0
Accessor...
Binders
Bookcas...
Chairs
Fasteners
Labels
Phones
Storage
Supplies
Tables
Data Source
Sheet 1
Sheet 2
Sheet 3
Sheet 4
Sheet 5
Sheet 6
Sheet 7
Sheet 8
Sheet 9
Sheet 10
Sheet 11
64 marks
1 row by 10 columns
SUM(Sales): 22,110
Search
ENG
IN
15:33
30-05-2023

BOX - PLOT

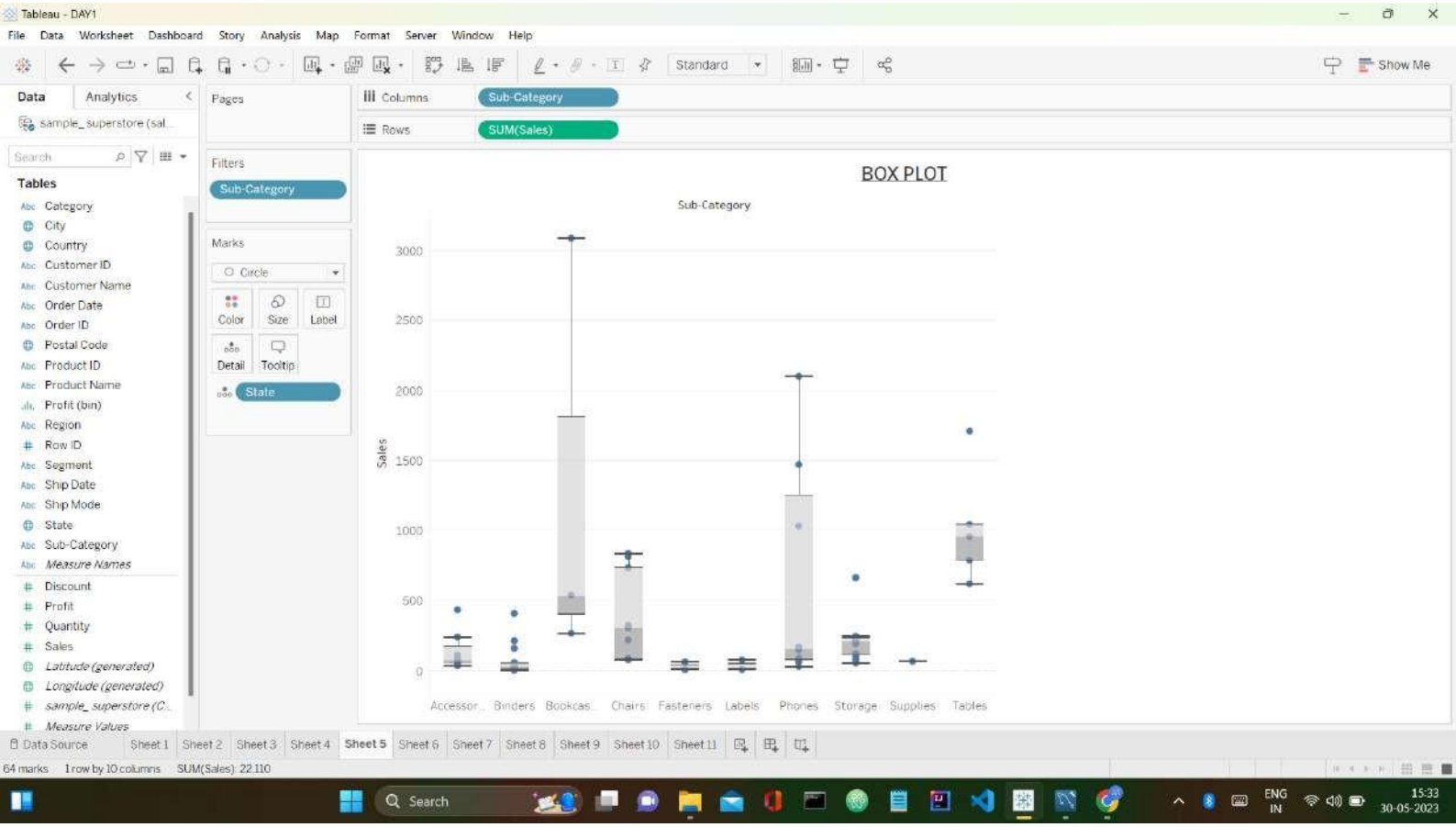


Tableau - DAY1
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Standard
Show Me
Data
Analytics
sample_superstore (sal...
Search
Tables
Abc Category
City
Country
Abc Customer ID
Abc Customer Name
Abc Order Date
Abc Order ID
Postal Code
Abc Product ID
Abc Product Name
Profit (bin)
Abc Region
Row ID
Abc Segment
Abc Ship Date
Abc Ship Mode
State
Abc Sub-Category
Abc Measure Names
Discount
Profit
Quantity
Sales
Latitude (generated)
Longitude (generated)
sample_ superstore (C...
Measure Values
Pages
Columns
Sub-Category
Rows
SUM(Sales)
Filters
Sub-Category
Marks
Circle
Color
Size
Label
Detail
Tooltip
State
BOX PLOT
Sub-Category
Sales
3000
2500
2000
1500
1000
500
0
Accessor...
Binders
Bookcas...
Chairs
Fasteners
Labels
Phones
Storage
Supplies
Tables
Data Source
Sheet 1
Sheet 2
Sheet 3
Sheet 4
Sheet 5
Sheet 6
Sheet 7
Sheet 8
Sheet 9
Sheet 10
Sheet 11
64 marks
1 row by 10 columns
SUM(Sales): 22,110
Search
ENG
IN
15:33
30-05-2023

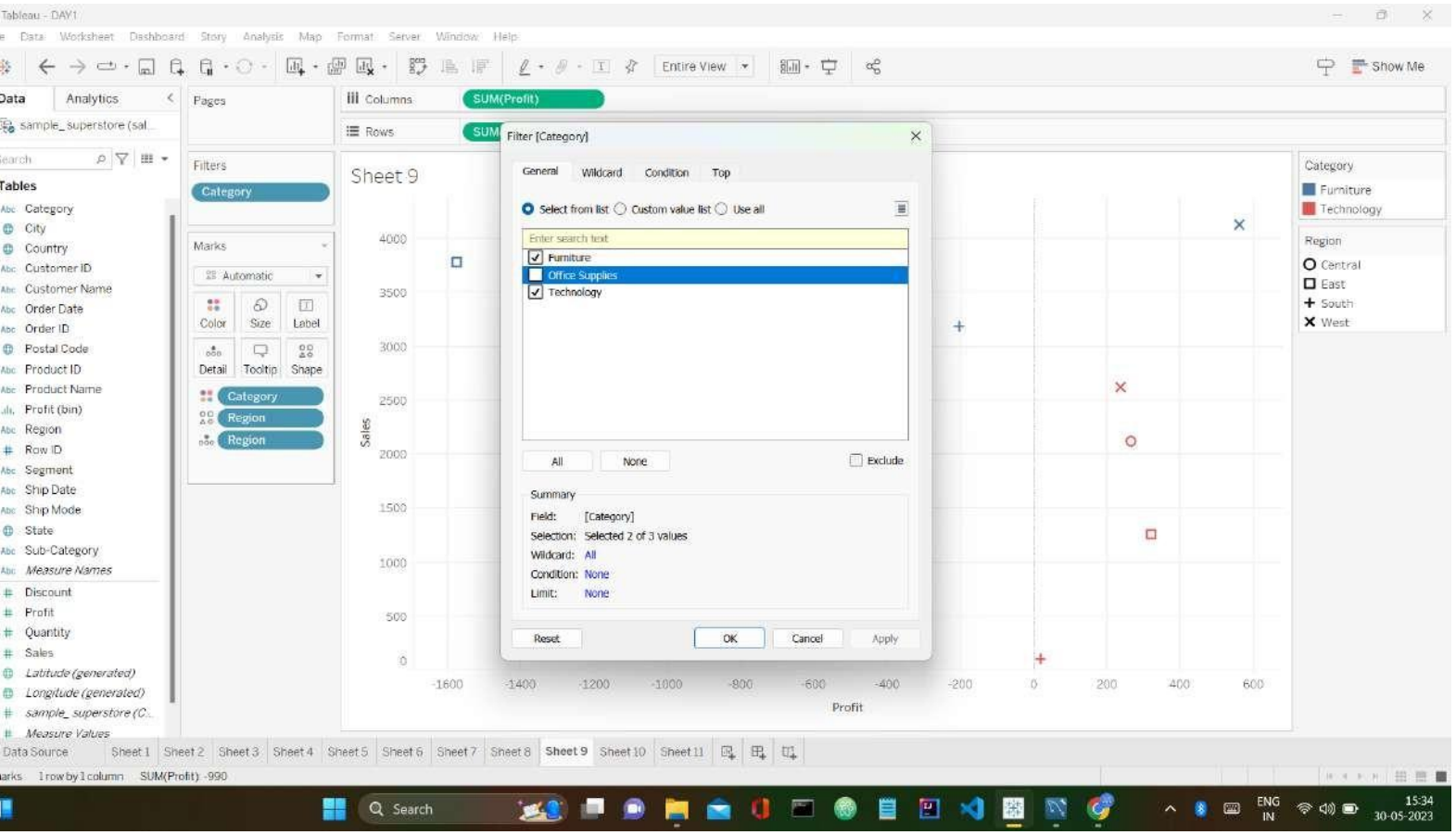
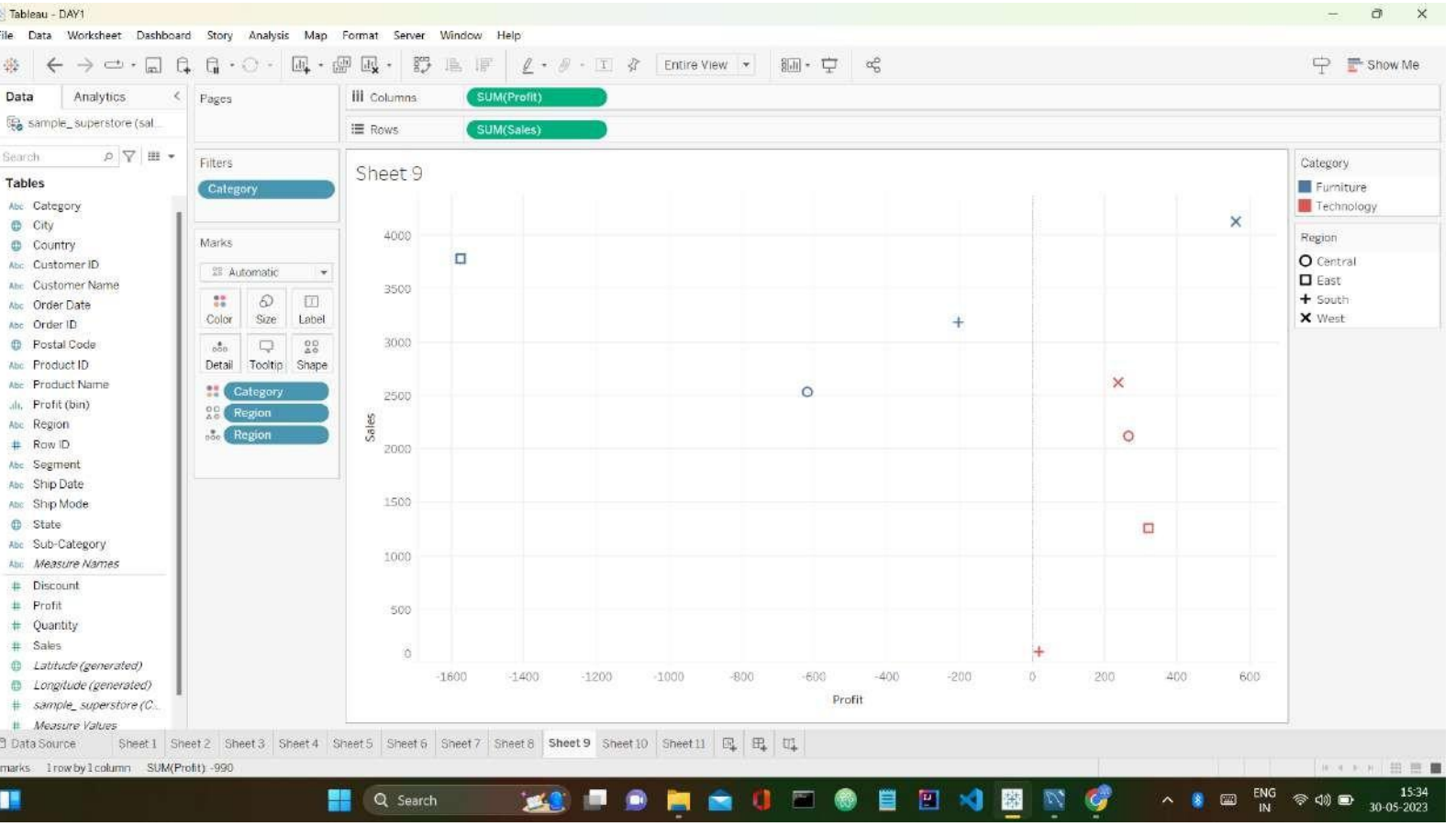


Tableau - DAY1
Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Entire View
Show Me
Data
Analytics
Pages
Columns
SUM(Profit)
Rows
Filters
Category
Marks
Automatic
Color
Size
Label
Detail
Tooltip
Shape
Category
Region
Region
Tables
Category
City
Country
Customer ID
Customer Name
Order Date
Order ID
Postal Code
Product ID
Product Name
Profit (bin)
Region
Row ID
Segment
Ship Date
Ship Mode
State
Sub-Category
Measure Names
Discount
Profit
Quantity
Sales
Latitude (generated)
Longitude (generated)
sample_ superstore (C..
Measure Values
Sheet 9
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 2 of 3 values
Wildcard: All
Condition: None
Limit: None
Reset
OK
Cancel
Apply
Sales
Profit
Category
Furniture
Technology
Region
Central
East
South
West
Data Source
Sheet 1
Sheet 2
Sheet 3
Sheet 4
Sheet 5
Sheet 6
Sheet 7
Sheet 8
Sheet 9
Sheet 10
Sheet 11
1 row by 1 column
SUM(Profit): -990
Search
ENG
IN
15:34
30-05-2023

SCATTER PLOT:-



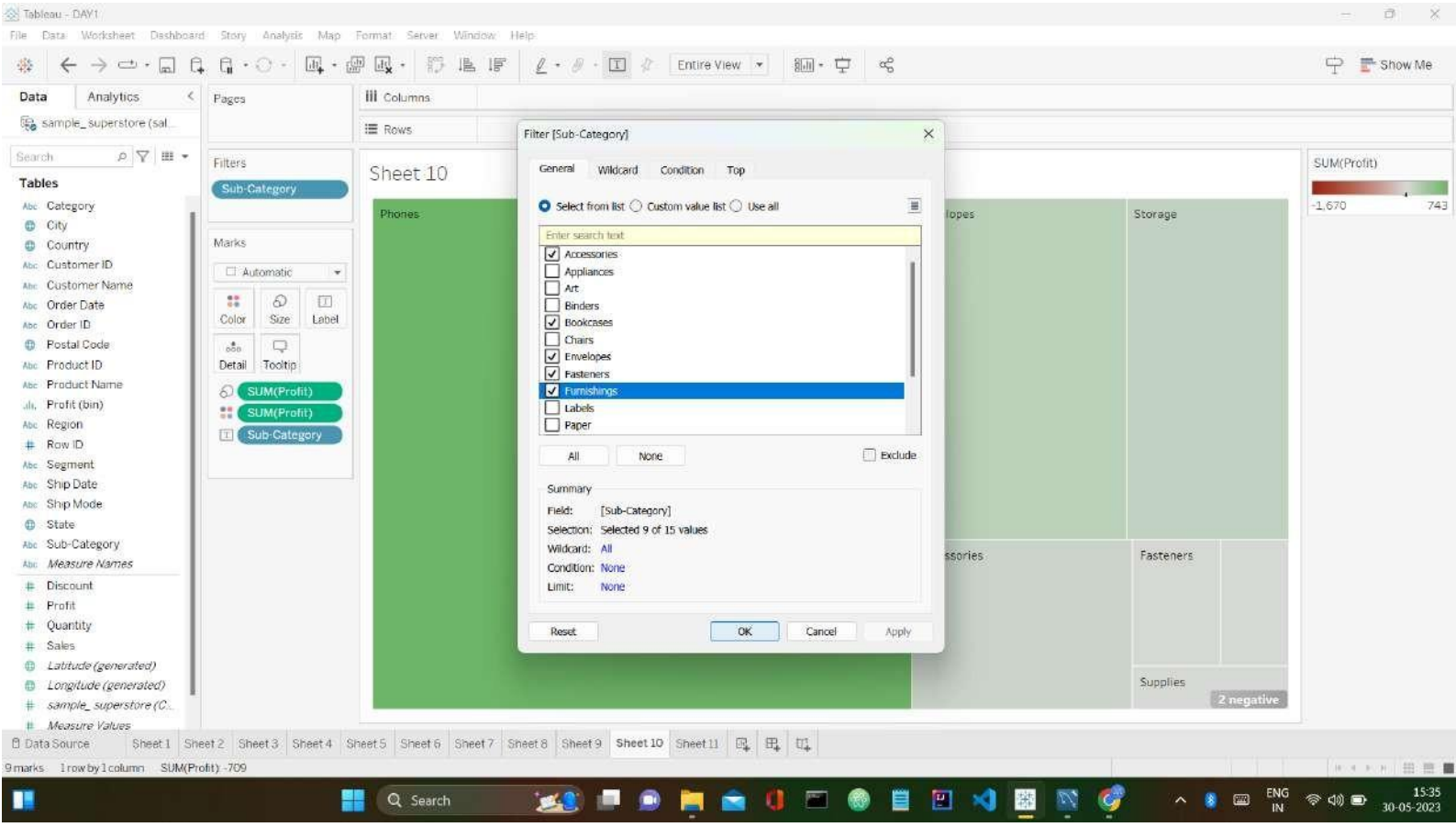


Tableau - DAY1
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Entire View
Show Me
Data
Analytics
sample_superstore (sal...
Search
Tables
Abc Category
City
Country
Abc Customer ID
Abc Customer Name
Abc Order Date
Abc Order ID
Postal Code
Abc Product ID
Abc Product Name
Profit (bin)
Abc Region
Row ID
Abc Segment
Abc Ship Date
Abc Ship Mode
State
Abc Sub-Category
Abc Measure Names
Discount
Profit
Quantity
Sales
Latitude (generated)
Longitude (generated)
sample_superstore (C...
Measure Values
Pages
Filters
Sub-Category
Marks
Automatic
Color
Size
Label
Detail
Tooltip
SUM(Profit)
SUM(Profit)
Sub-Category
Columns
Rows
Sheet 10
Phones
Storage
Fasteners
Supplies
2 negative
SUM(Profit)
-1,670
743
Filter [Sub-Category]
General
Wildcard
Condition
Top
Select from list
Custom value list
Use all
Enter search text
Accessories
Appliances
Art
Binders
Bookcases
Chairs
Envelopes
Fasteners
Furnishings
Labels
Paper
All
None
Exclude
Summary
Field: [Sub-Category]
Selection: Selected 9 of 15 values
Wildcard: All
Condition: None
Limit: None
Reset
OK
Cancel
Apply
Data Source
Sheet 1
Sheet 2
Sheet 3
Sheet 4
Sheet 5
Sheet 6
Sheet 7
Sheet 8
Sheet 9
Sheet 10
Sheet 11
9 marks
1 row by 1 column
SUM(Profit): -709
Search
ENG
IN
15:35
30-05-2023

TREE MAP:-

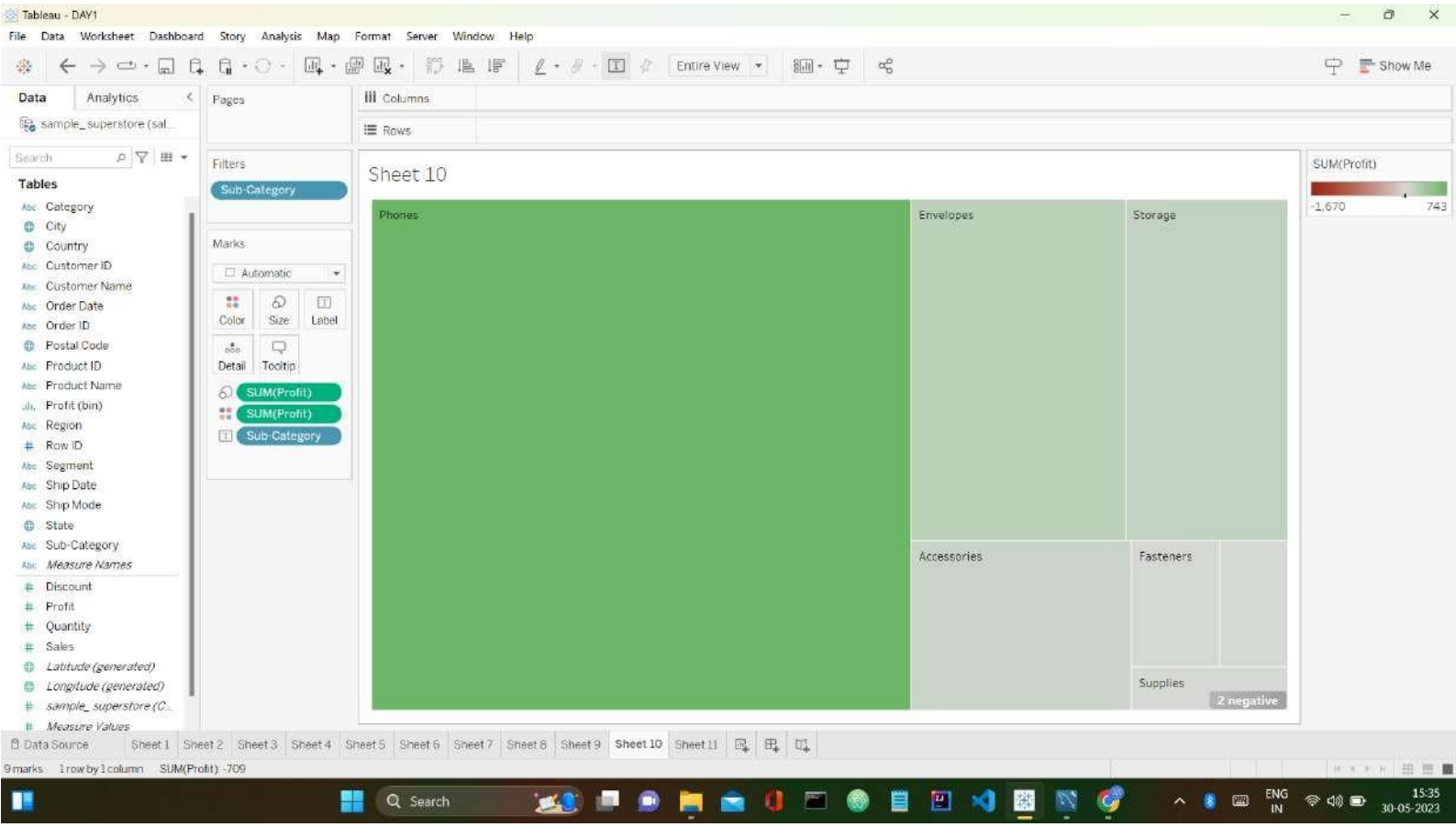


Tableau - DAY1
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Entire View
Show Me
Data
Analytics
sample_superstore (sal...
Search
Tables
Abc Category
City
Country
Abc Customer ID
Abc Customer Name
Abc Order Date
Abc Order ID
Postal Code
Abc Product ID
Abc Product Name
Profit (bin)
Abc Region
Row ID
Abc Segment
Abc Ship Date
Abc Ship Mode
State
Abc Sub-Category
Abc Measure Names
Discount
Profit
Quantity
Sales
Latitude (generated)
Longitude (generated)
sample_superstore (C...
Measure Values
Pages
Filters
Sub-Category
Marks
Automatic
Color
Size
Label
Detail
Tooltip
SUM(Profit)
SUM(Profit)
Sub-Category
Columns
Rows
Sheet 10
Phones
Envelopes
Storage
Accessories
Fasteners
Supplies
2 negative
SUM(Profit)
-1,670
743
Data Source
Sheet 1
Sheet 2
Sheet 3
Sheet 4
Sheet 5
Sheet 6
Sheet 7
Sheet 8
Sheet 9
Sheet 10
Sheet 11
9 marks
1 row by 1 column
SUM(Profit): -709
Search
ENG
IN
15:35
30-05-2023

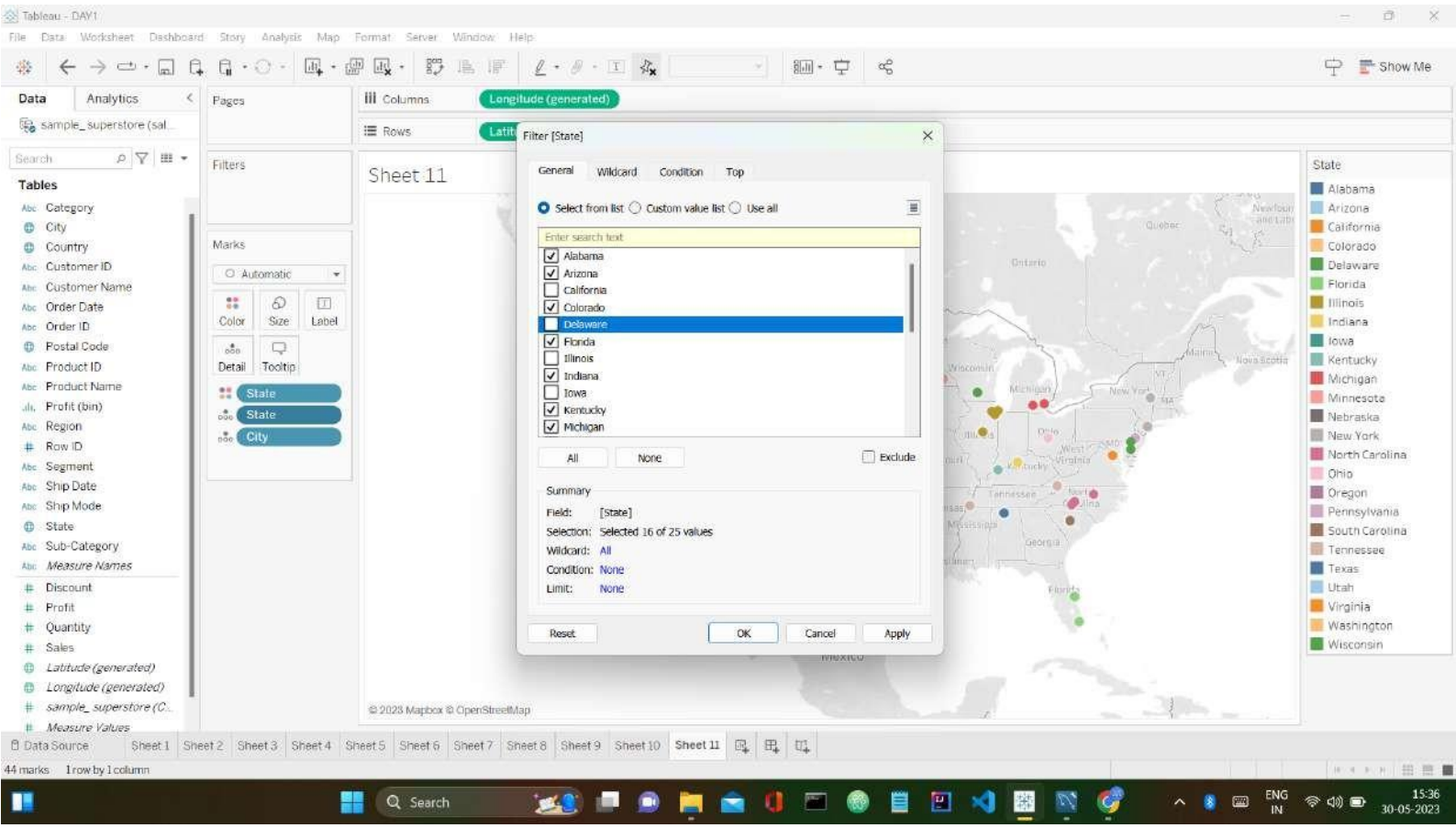


Tableau - DAY1
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Show Me
Data Analytics
sample_ superstore (sal...
Search
Tables
Abc Category
City
Country
Abc Customer ID
Abc Customer Name
Abc Order Date
Abc Order ID
Postal Code
Abc Product ID
Abc Product Name
Profit (bin)
Abc Region
Row ID
Abc Segment
Abc Ship Date
Abc Ship Mode
State
Abc Sub-Category
Abc Measure Names
Discount
Profit
Quantity
Sales
Latitude (generated)
Longitude (generated)
sample_ superstore (C...
Measure Values
Pages
Filters
Marks
Automatic
Color
Size
Label
Detail
Tooltip
State
State
City
Columns
Longitude (generated)
Rows
Latit
Sheet 11
Filter [State]
General
Wildcard
Condition
Top
Select from list
Custom value list
Use all
Enter search text
Alabama
Arizona
California
Colorado
Delaware
Florida
Illinois
Indiana
Iowa
Kentucky
Michigan
All
None
Exclude
Summary
Field: [State]
Selection: Selected 16 of 25 values
Wildcard: All
Condition: None
Limit: None
Reset
OK
Cancel
Apply
State
Alabama
Arizona
California
Colorado
Delaware
Florida
Illinois
Indiana
Iowa
Kentucky
Michigan
Minnesota
Nebraska
New York
North Carolina
Ohio
Oregon
Pennsylvania
South Carolina
Tennessee
Texas
Utah
Virginia
Washington
Wisconsin
© 2023 Mapbox © OpenStreetMap
Data Source
Sheet 1
Sheet 2
Sheet 3
Sheet 4
Sheet 5
Sheet 6
Sheet 7
Sheet 8
Sheet 9
Sheet 10
Sheet 11
44 marks
1 row by 1 column
Search
ENG
IN
15:36
30-05-2023

MAP:-

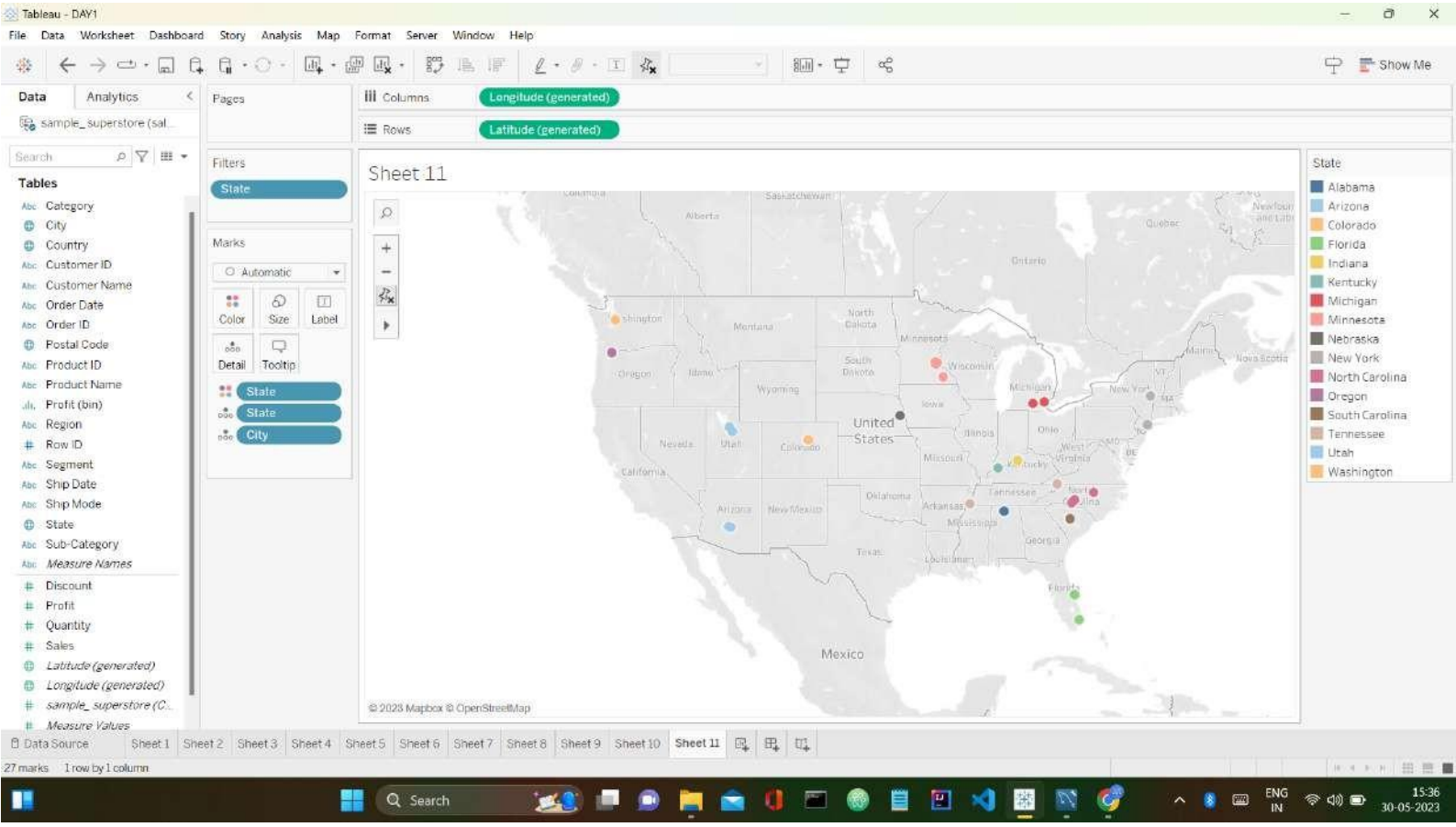
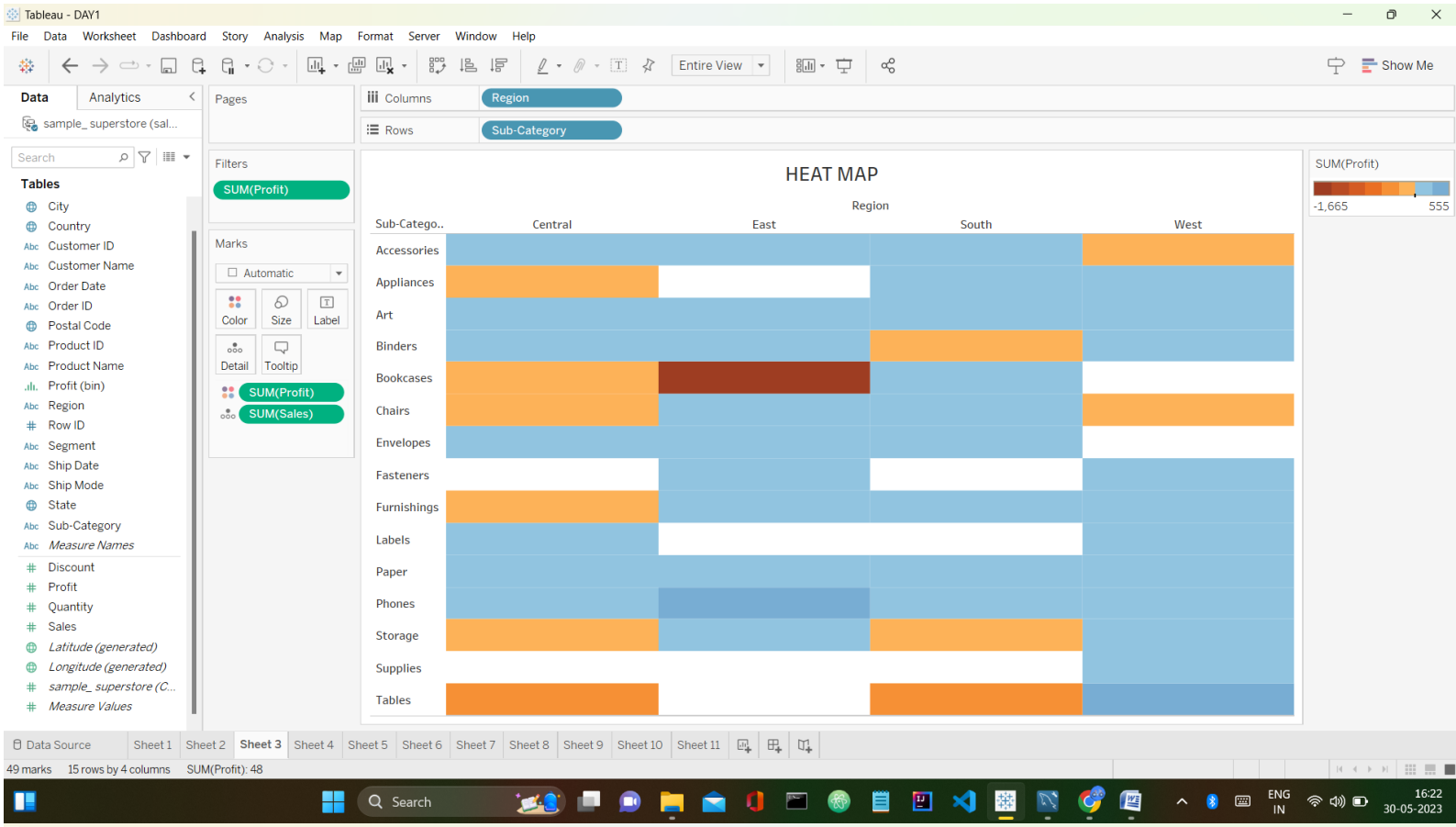
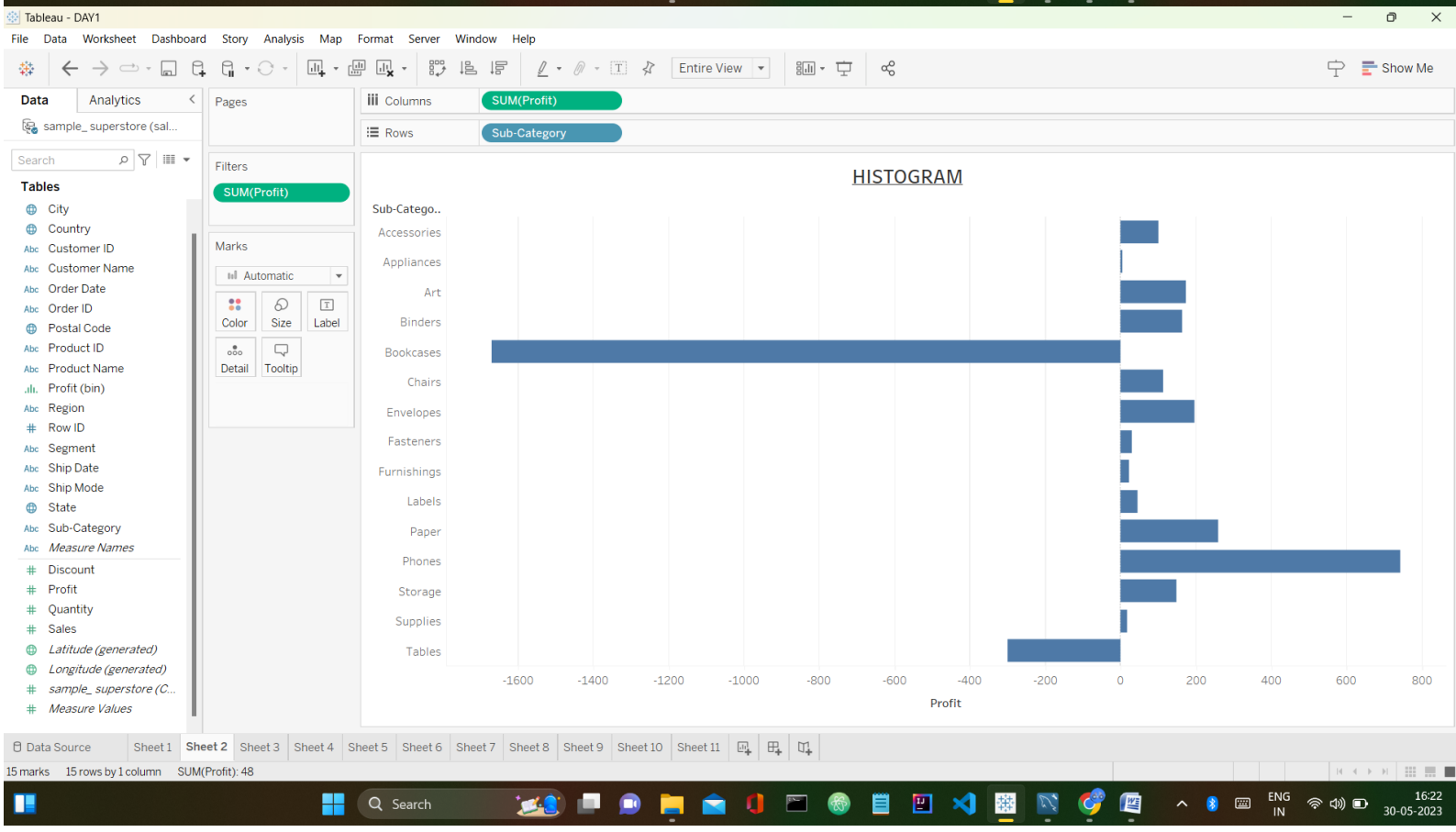


Tableau - DAY1
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Show Me
Data Analytics
Pages
Columns Longitude (generated)
Rows Latitude (generated)
Filters
State
Marks
Automatic
Color Size Label
Detail Tooltip
State
State
City
Sheet 11
United States
Mexico
© 2023 Mapbox © OpenStreetMap
State
Alabama
Arizona
Colorado
Florida
Indiana
Kentucky
Michigan
Minnesota
Nebraska
New York
North Carolina
Oregon
South Carolina
Tennessee
Utah
Washington
Tables
Category
City
Country
Customer ID
Customer Name
Order Date
Order ID
Postal Code
Product ID
Product Name
Profit (bin)
Region
Row ID
Segment
Ship Date
Ship Mode
State
Sub-Category
Measure Names
Discount
Profit
Quantity
Sales
Latitude (generated)
Longitude (generated)
sample_ superstore (C...
Measure Values
Data Source
Sheet 1
Sheet 2
Sheet 3
Sheet 4
Sheet 5
Sheet 6
Sheet 7
Sheet 8
Sheet 9
Sheet 10
Sheet 11
27 marks
1 row by 1 column
Search
ENG
IN
15:36
30-05-2023

MEASURE REDUCTION:--





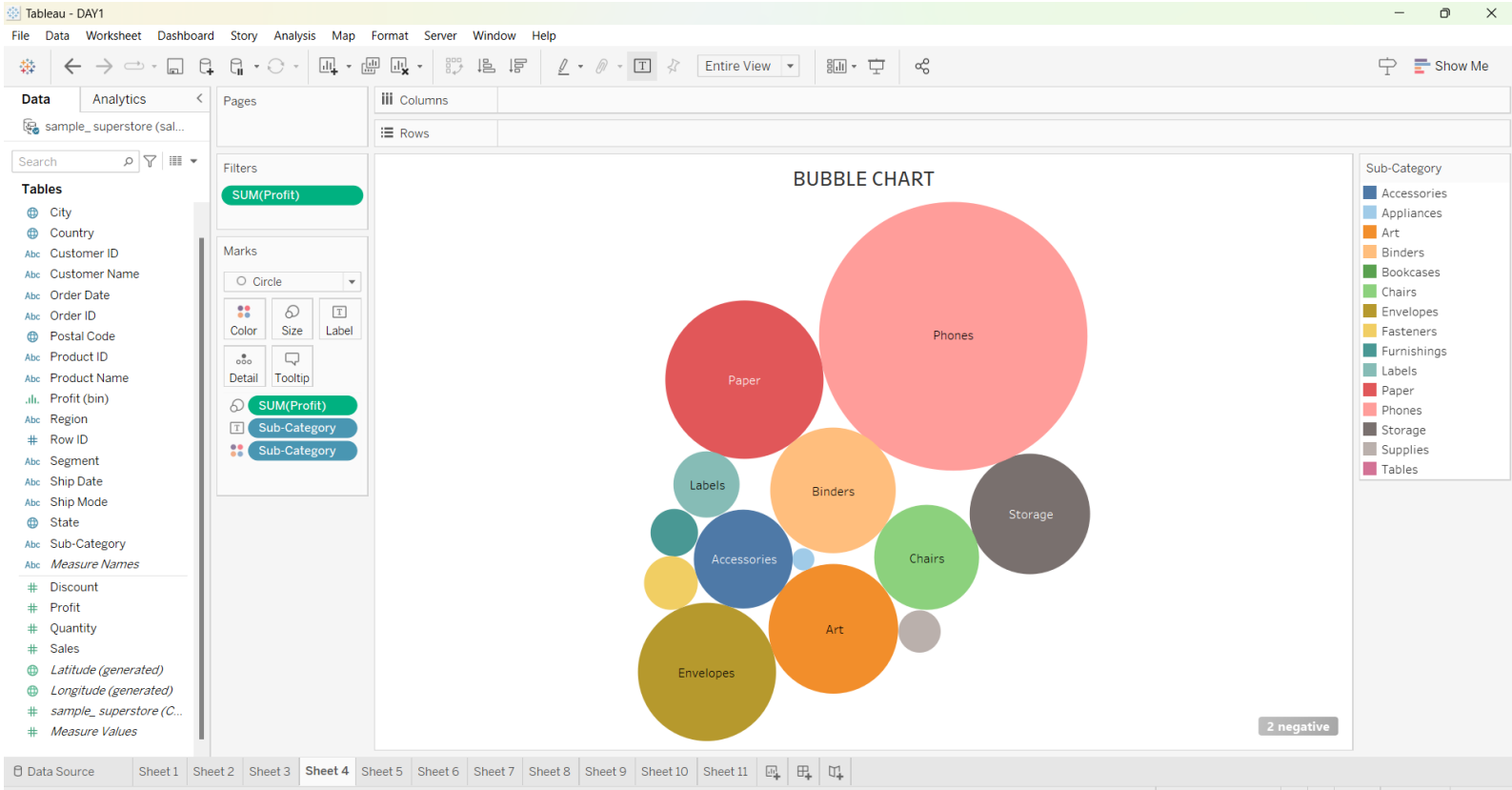


Tableau - DAY1
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Entire View
Show Me
Data
Analytics
sample_ superstore (sal...
Search
Tables
City
Country
Customer ID
Customer Name
Order Date
Order ID
Postal Code
Product ID
Product Name
Profit (bin)
Region
Row ID
Segment
Ship Date
Ship Mode
State
Sub-Category
Measure Names
Discount
Profit
Quantity
Sales
Latitude (generated)
Longitude (generated)
sample_ superstore (C...
Measure Values
Pages
Columns
Rows
Filters
SUM(Profit)
Marks
Circle
Color
Size
Label
Detail
Tooltip
SUM(Profit)
Sub-Category
Sub-Category
BUBBLE CHART
Phones
Paper
Labels
Binders
Storage
Accessories
Chairs
Art
Envelopes
2 negative
Sub-Category
Accessories
Appliances
Art
Binders
Bookcases
Chairs
Envelopes
Fasteners
Furnishings
Labels
Paper
Phones
Storage
Supplies
Tables
Data Source
Sheet 1
Sheet 2
Sheet 3
Sheet 4
Sheet 5
Sheet 6
Sheet 7
Sheet 8
Sheet 9
Sheet 10
Sheet 11
15 marks
1 row by 1 column
SUM(Profit): 48
Search
ENG
IN
16:23
30-05-2023

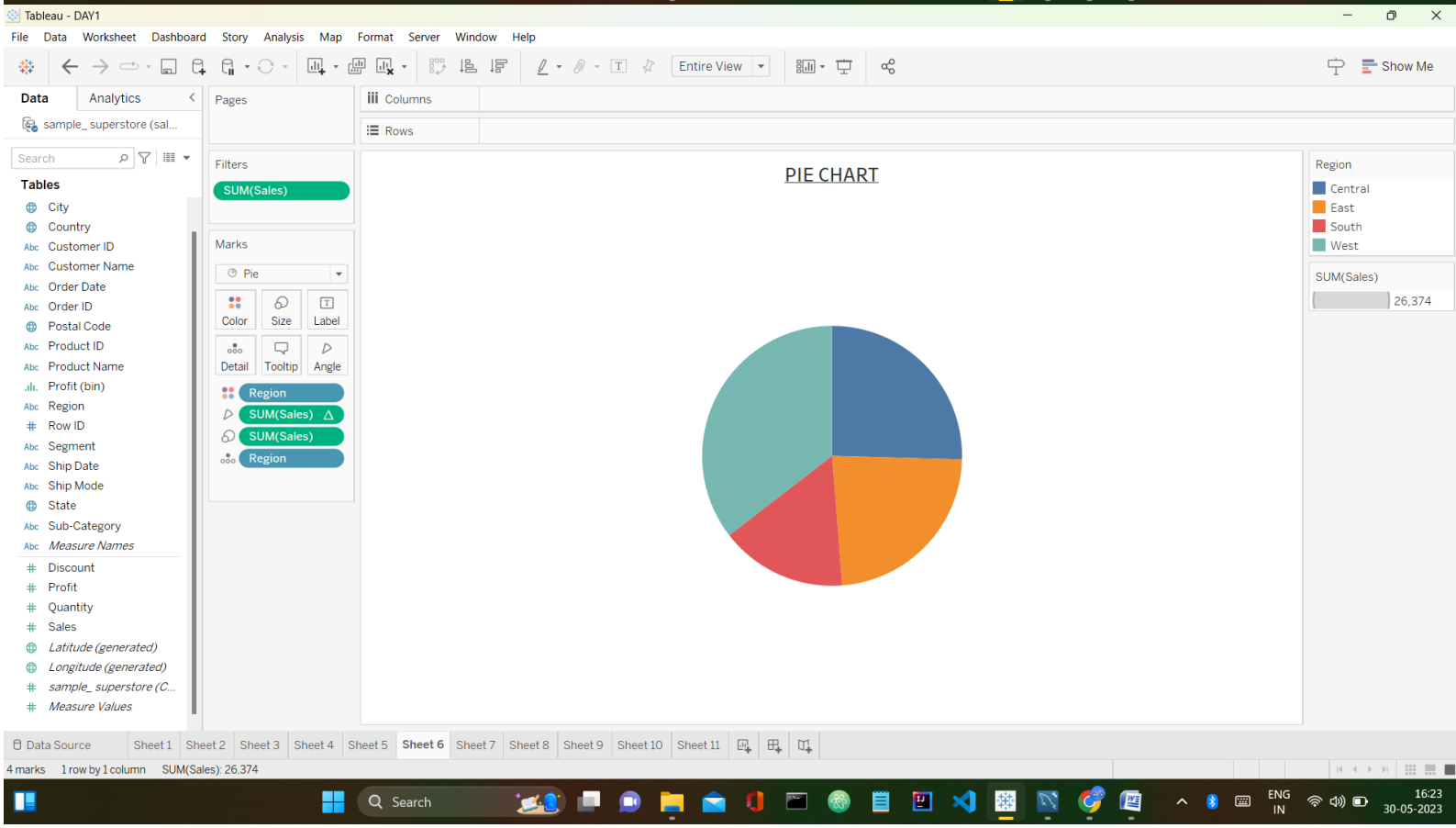


Tableau - DAY1
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Entire View
Show Me
Data
Analytics
sample_ superstore (sal...
Search
Tables
City
Country
Customer ID
Customer Name
Order Date
Order ID
Postal Code
Product ID
Product Name
Profit (bin)
Region
Row ID
Segment
Ship Date
Ship Mode
State
Sub-Category
Measure Names
Discount
Profit
Quantity
Sales
Latitude (generated)
Longitude (generated)
sample_ superstore (C...
Measure Values
Pages
Columns
Rows
Filters
SUM(Sales)
Marks
Pie
Color
Size
Label
Detail
Tooltip
Angle
Region
SUM(Sales)
SUM(Sales)
Region
PIE CHART
Region
Central
East
South
West
SUM(Sales)
26,374
Data Source
Sheet 1
Sheet 2
Sheet 3
Sheet 4
Sheet 5
Sheet 6
Sheet 7
Sheet 8
Sheet 9
Sheet 10
Sheet 11
4 marks
1 row by 1 column
SUM(Sales): 26,374
Search
ENG
IN
16:23
30-05-2023

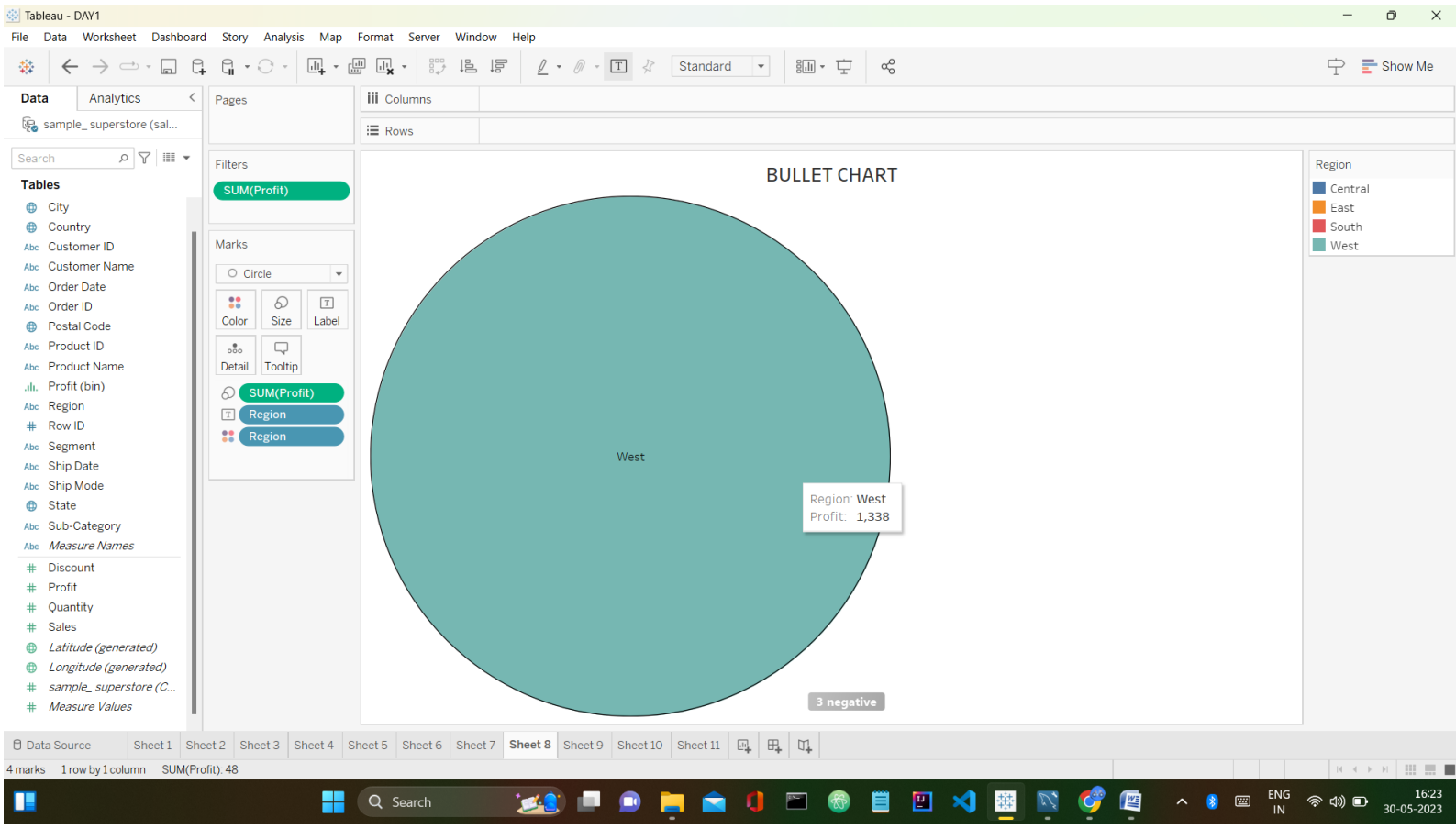


Tableau - DAY1
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Standard
Show Me
Data
Analytics
sample_ superstore (sal...
Search
Tables
City
Country
Customer ID
Customer Name
Order Date
Order ID
Postal Code
Product ID
Product Name
Profit (bin)
Region
Row ID
Segment
Ship Date
Ship Mode
State
Sub-Category
Measure Names
Discount
Profit
Quantity
Sales
Latitude (generated)
Longitude (generated)
sample_ superstore (C...
Measure Values
Pages
Columns
Rows
Filters
SUM(Profit)
Marks
Circle
Color
Size
Label
Detail
Tooltip
SUM(Profit)
Region
Region
BULLET CHART
West
Region: West
Profit: 1,338
3 negative
Region
Central
East
South
West
Data Source
Sheet 1
Sheet 2
Sheet 3
Sheet 4
Sheet 5
Sheet 6
Sheet 7
Sheet 8
Sheet 9
Sheet 10
Sheet 11
4 marks
1 row by 1 column
SUM(Profit): 48
Search
ENG
IN
16:23
30-05-2023

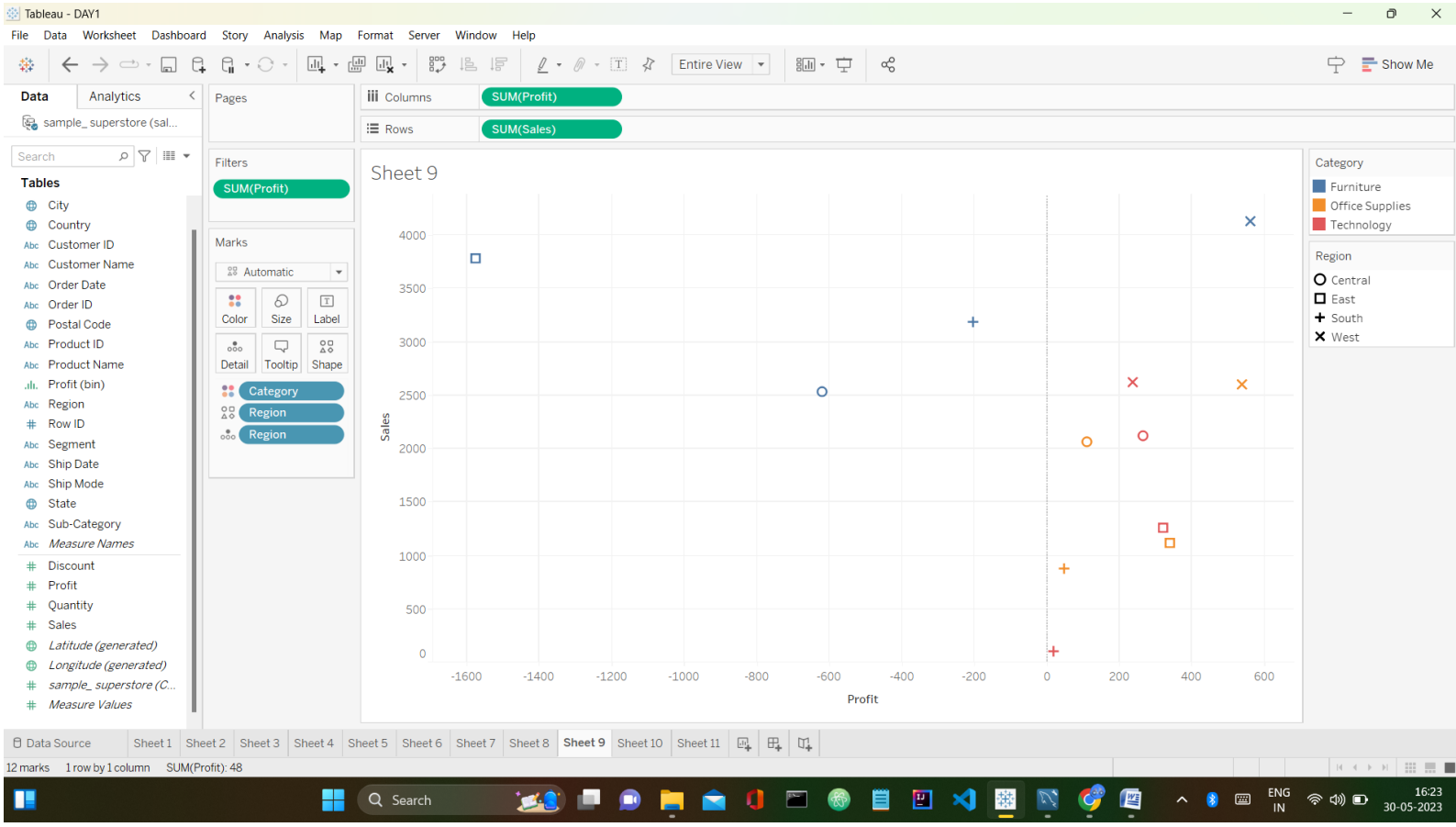


Tableau - DAY1
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Entire View
Show Me
Data
Analytics
sample_ superstore (sal...
Search
Tables
City
Country
Customer ID
Customer Name
Order Date
Order ID
Postal Code
Product ID
Product Name
Profit (bin)
Region
Row ID
Segment
Ship Date
Ship Mode
State
Sub-Category
Measure Names
Discount
Profit
Quantity
Sales
Latitude (generated)
Longitude (generated)
sample_ superstore (C...
Measure Values
Pages
Columns
SUM(Profit)
Rows
SUM(Sales)
Filters
SUM(Profit)
Marks
Automatic
Color
Size
Label
Detail
Tooltip
Shape
Category
Region
Region
Sheet 9
Sales
4000
3500
3000
2500
2000
1500
1000
500
0
-1600
-1400
-1200
-1000
-800
-600
-400
-200
0
200
400
600
Profit
Category
Furniture
Office Supplies
Technology
Region
Central
East
South
West
Data Source
Sheet 1
Sheet 2
Sheet 3
Sheet 4
Sheet 5
Sheet 6
Sheet 7
Sheet 8
Sheet 9
Sheet 10
Sheet 11
12 marks
1 row by 1 column
SUM(Profit): 48
Search
ENG
IN
16:23
30-05-2023

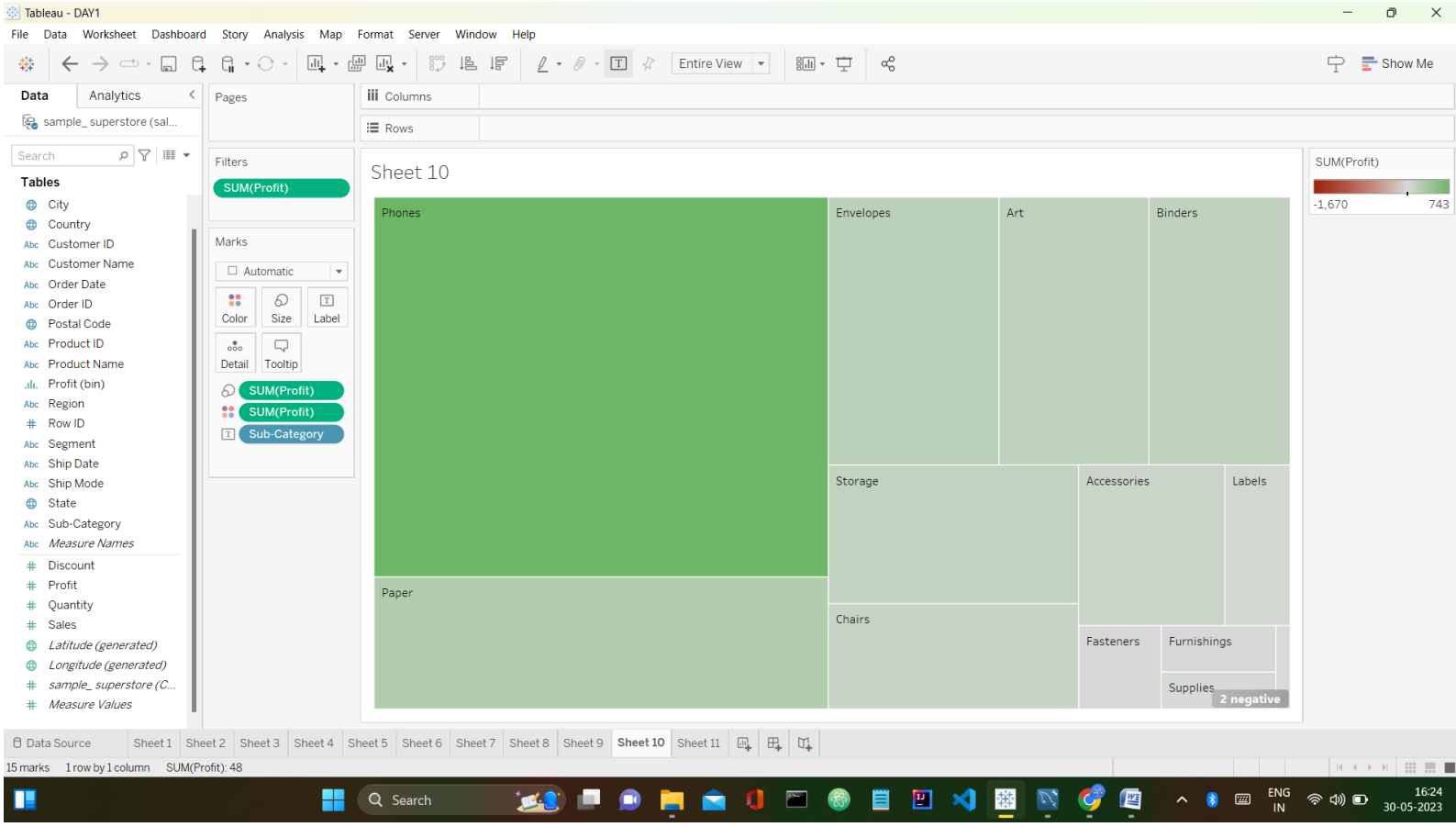


Tableau - DAY1
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Entire View
Show Me
Data
Analytics
sample_ superstore (sal...
Search
Tables
City
Country
Customer ID
Customer Name
Order Date
Order ID
Postal Code
Product ID
Product Name
Profit (bin)
Region
Row ID
Segment
Ship Date
Ship Mode
State
Sub-Category
Measure Names
Discount
Profit
Quantity
Sales
Latitude (generated)
Longitude (generated)
sample_ superstore (C...
Measure Values
Pages
Columns
Rows
Filters
SUM(Profit)
Marks
Automatic
Color
Size
Label
Detail
Tooltip
SUM(Profit)
SUM(Profit)
Sub-Category
Sheet 10
Phones
Envelopes
Art
Binders
Storage
Accessories
Labels
Paper
Chairs
Fasteners
Furnishings
Supplies
2 negative
SUM(Profit)
-1,670
743
Data Source
Sheet 1
Sheet 2
Sheet 3
Sheet 4
Sheet 5
Sheet 6
Sheet 7
Sheet 8
Sheet 9
Sheet 10
Sheet 11
15 marks
1 row by 1 column
SUM(Profit): 48
Search
ENG
IN
16:24
30-05-2023