TASK 1 : LOD EXPRESSIONS

FIXED LOD EXPRESSION :

** As we see above, The fixed LOD expression consists a fixed value that is 286,397.*

** Where it represents the categories vise profit in a ship mode.*

** In this ship mode there is a some classes and they are :*

- *first class*
- *second class*
- *standard class*

** These classes are again categorized into furniture, office appliances, Technology .*

** This LOD expression shows the profit category vise as well as class by class.*

** Where, the fixed profit vaue is 286,397 and it was obtained by sum of all profits.*

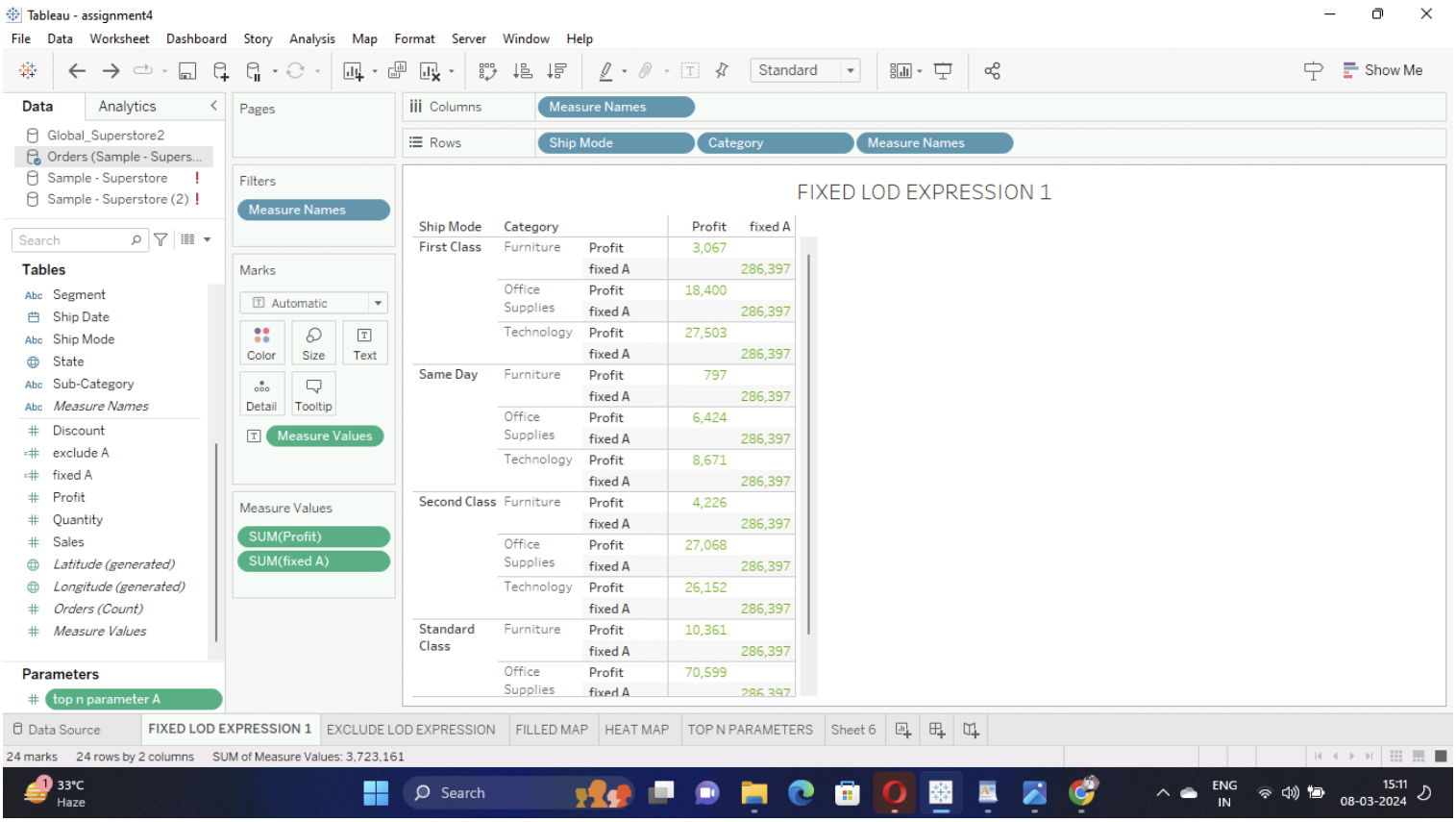


Tableau - assignment4
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Standard
Show Me
Data
Analytics
Global_Superstore2
Orders (Sample - Supers...
Sample - Superstore
Sample - Superstore (2)
Search
Tables
Segment
Ship Date
Ship Mode
State
Sub-Category
Measure Names
Discount
exclude A
fixed A
Profit
Quantity
Sales
Latitude (generated)
Longitude (generated)
Orders (Count)
Measure Values
Parameters
top n parameter A
Pages
Filters
Measure Names
Marks
Automatic
Color
Size
Text
Detail
Tooltip
Measure Values
Measure Values
SUM(Profit)
SUM(fixed A)
Columns
Measure Names
Rows
Ship Mode
Category
Measure Names
FIXED LOD EXPRESSION 1
Ship Mode
Category
Profit
fixed A
First Class
Furniture
Profit 3,067
fixed A 286,397
Office Supplies
Profit 18,400
fixed A 286,397
Technology
Profit 27,503
fixed A 286,397
Same Day
Furniture
Profit 797
fixed A 286,397
Office Supplies
Profit 6,424
fixed A 286,397
Technology
Profit 8,671
fixed A 286,397
Second Class
Furniture
Profit 4,226
fixed A 286,397
Office Supplies
Profit 27,068
fixed A 286,397
Technology
Profit 26,152
fixed A 286,397
Standard Class
Furniture
Profit 10,361
fixed A 286,397
Office Supplies
Profit 70,599
Data Source
FIXED LOD EXPRESSION 1
EXCLUDE LOD EXPRESSION
FILLED MAP
HEAT MAP
TOP N PARAMETERS
Sheet 6
24 marks
24 rows by 2 columns
SUM of Measure Values: 3,723,161
33°C
Haze
Search
ENG
IN
15:11
08-03-2024

EXCLUDE LOD EXPRESSION:

** As we see in above exclude LOD,The exclude values are based on the average discount.*

** The overall discount value is 1,561.*

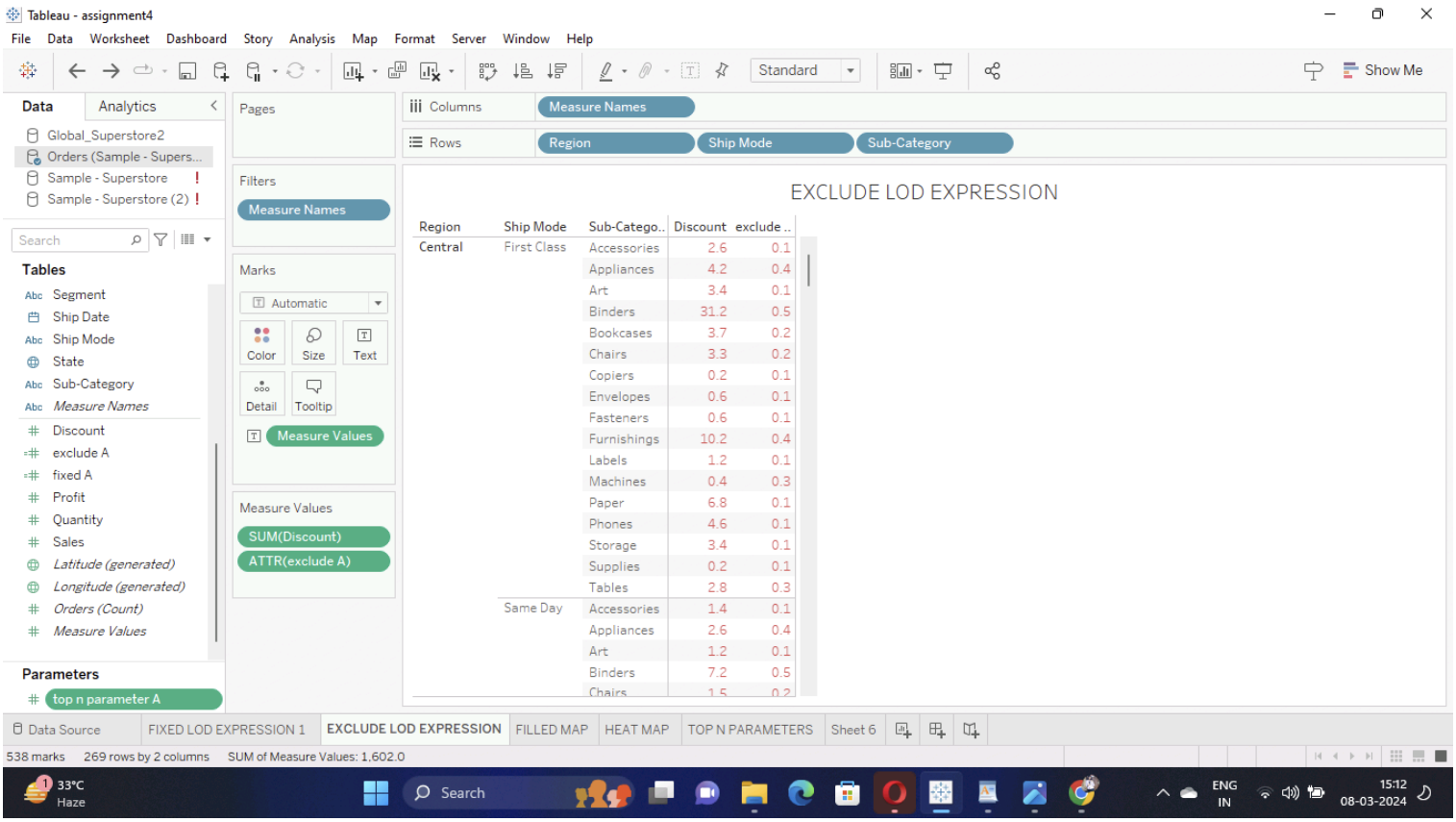
** Here , the exclude lod expression shows the exclude discount value in the central, east, west, and south regions.*

** This regions are categorized into class using ship mode they are:*

- *first class*
- *second class*
- *standard class*

** And this classes are sub-categorized into Accessories, Applicanes, Art, etc,.*

** It shows the exclude discount based on the sub-categories as well as ship mode and regions.*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Standard
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Data
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Orders (Sample - Supers...
Sample - Superstore
Sample - Superstore (2)
Search
Tables
Segment
Ship Date
Ship Mode
State
Sub-Category
Measure Names
Discount
exclude A
fixed A
Profit
Quantity
Sales
Latitude (generated)
Longitude (generated)
Orders (Count)
Measure Values
Parameters
top n parameter A
Pages
Filters
Measure Names
Marks
Automatic
Color
Size
Text
Detail
Tooltip
Measure Values
Measure Values
SUM(Discount)
ATTR(exclude A)
Columns
Measure Names
Rows
Region
Ship Mode
Sub-Category
EXCLUDE LOD EXPRESSION
Region Ship Mode Sub-Catego.. Discount exclude ..
Central First Class Accessories 2.6 0.1
Appliances 4.2 0.4
Art 3.4 0.1
Binders 31.2 0.5
Bookcases 3.7 0.2
Chairs 3.3 0.2
Copiers 0.2 0.1
Envelopes 0.6 0.1
Fasteners 0.6 0.1
Furnishings 10.2 0.4
Labels 1.2 0.1
Machines 0.4 0.3
Paper 6.8 0.1
Phones 4.6 0.1
Storage 3.4 0.1
Supplies 0.2 0.1
Tables 2.8 0.3
Same Day Accessories 1.4 0.1
Appliances 2.6 0.4
Art 1.2 0.1
Binders 7.2 0.5
Chairs 1.5 0.2
Data Source
FIXED LOD EXPRESSION 1
EXCLUDE LOD EXPRESSION
FILLED MAP
HEAT MAP
TOP N PARAMETERS
Sheet 6
538 marks 269 rows by 2 columns SUM of Measure Values: 1,602.0
33°C Haze
Search
ENG IN
15:12 08-03-2024

TASK 2: GEOGRAPHICAL MAPS

FILLED MAPS:

- *Filled maps in Tableau are similar to symbol maps, but they include many more data points. While a symbol map draws a symbol at the intersection of each latitude and longitude pair, filled maps draw a polygon around the entire border.*
- *Filled maps show your data as shaded areas. Heatmaps show your data using a color gradient. Line maps show your data as lines or paths over a geographic area. Connection maps shows your data as pairs of points that are connected by a line or an arc.*
- *The above filled map shows the african country and where mentioned the names of the states in this filled map , it was colored with different colors for different states in the filled map.*

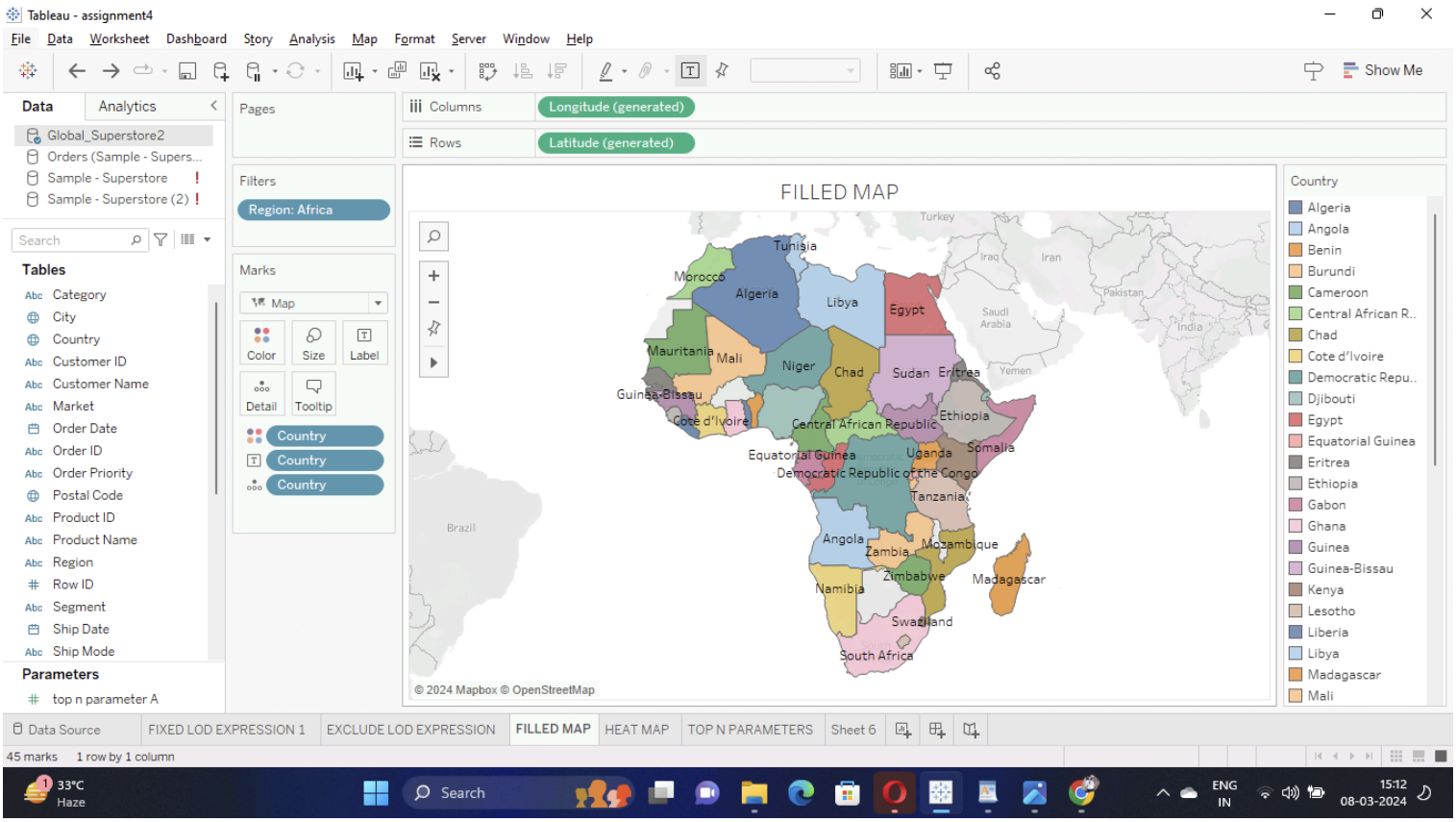
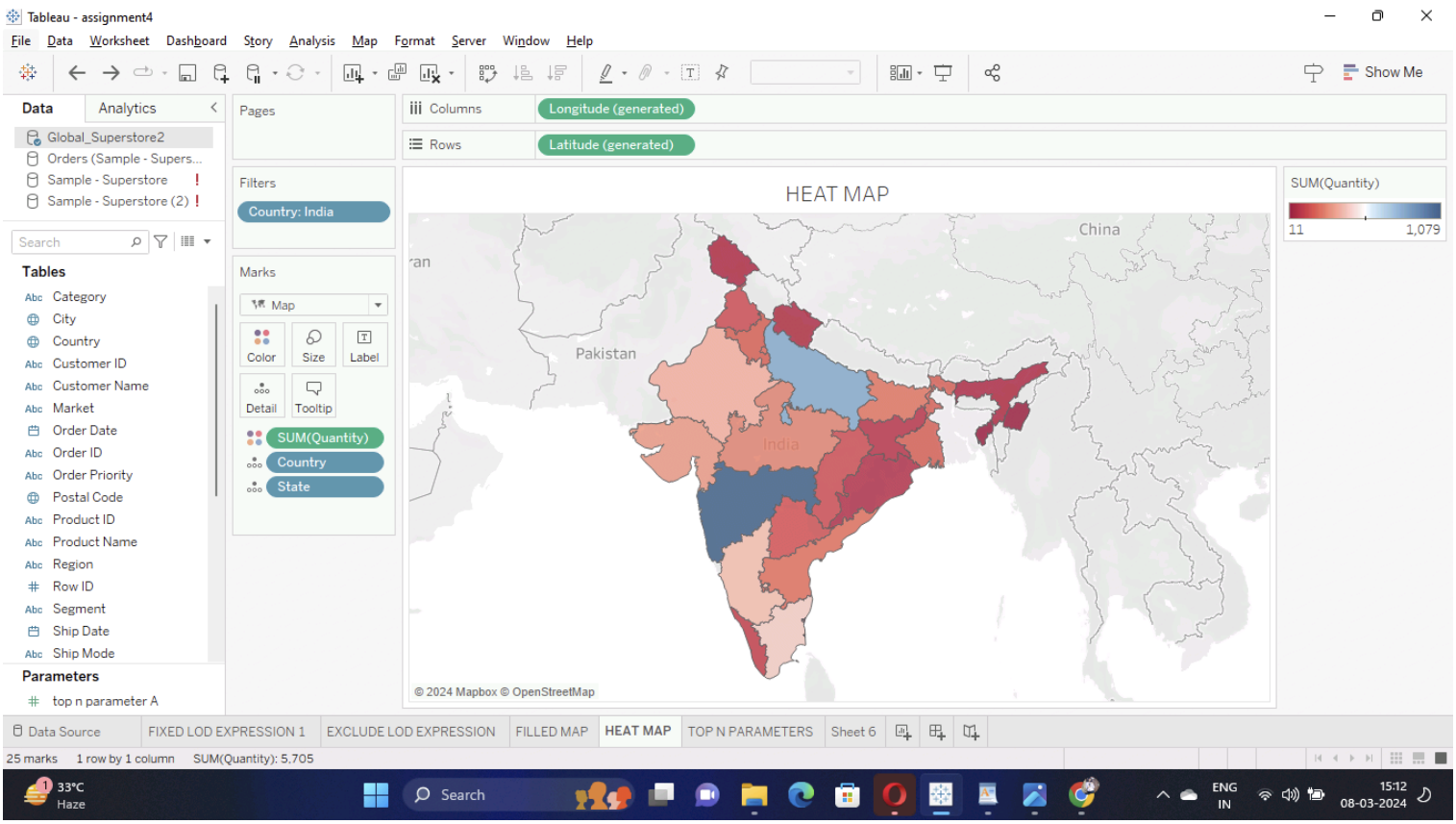


Tableau - assignment4
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Show Me
Data Analytics
Global_Superstore2
Orders (Sample - Supers...
Sample - Superstore
Sample - Superstore (2)
Search
Tables
Abc Category
City
Country
Abc Customer ID
Abc Customer Name
Abc Market
Order Date
Abc Order ID
Abc Order Priority
Postal Code
Abc Product ID
Abc Product Name
Abc Region
Row ID
Abc Segment
Ship Date
Abc Ship Mode
Parameters
top n parameter A
Pages
Filters
Region: Africa
Marks
Map
Color Size Label
Detail Tooltip
Country
Country
Country
Columns
Longitude (generated)
Rows
Latitude (generated)
FILLED MAP
Tunisia
Morocco
Algeria
Libya
Egypt
Mauritania
Mali
Niger
Chad
Sudan
Eritrea
Guinea-Bissau
Cote d'Ivoire
Central African Republic
Ethiopia
Equatorial Guinea
Uganda
Somalia
Democratic Republic of the Congo
Tanzania
Angola
Zambia
Mozambique
Zimbabwe
Madagascar
Namibia
Swaziland
South Africa
Brazil
Turkey
Iraq
Iran
Saudi Arabia
Pakistan
India
Yemen
© 2024 Mapbox © OpenStreetMap
Country
Algeria
Angola
Benin
Burundi
Cameroon
Central African R..
Chad
Cote d'Ivoire
Democratic Repu..
Djibouti
Egypt
Equatorial Guinea
Eritrea
Ethiopia
Gabon
Ghana
Guinea
Guinea-Bissau
Kenya
Lesotho
Liberia
Libya
Madagascar
Mali
Data Source
FIXED LOD EXPRESSION 1
EXCLUDE LOD EXPRESSION
FILLED MAP
HEAT MAP
TOP N PARAMETERS
Sheet 6
45 marks 1 row by 1 column
33°C Haze
Search
ENG IN
15:12 08-03-2024

HEAT MAPS:

- *A simple heat map provides an immediate visual summary of information across two axes, allowing users to quickly grasp the most important or relevant data points. More elaborate heat maps allow the viewer to understand complex data sets. A heat map is a way to represent data points in a data set in a visual manner.*
- *Heatmaps present patterns, trends, and relationships within the data. They use color and size from two on the same or different measures. For example, while using color to help identify changes to a measure in a heatmap, the creator might reinforce its importance by keying the same measure to size.*
- *Heatmaps can give a more comprehensive overview of how users are really behaving and the actual conversion rate. Heatmaps are also a lot more visual than standard analytics reports, which can make them easier to analyze at a glance.*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Abc Customer Name
Abc Market
Order Date
Abc Order ID
Abc Order Priority
Postal Code
Abc Product ID
Abc Product Name
Abc Region
Row ID
Abc Segment
Ship Date
Abc Ship Mode
Parameters
top n parameter A
Pages
Columns
Longitude (generated)
Rows
Latitude (generated)
Filters
Country: India
Marks
Map
Color
Size
Label
Detail
Tooltip
SUM(Quantity)
Country
State
HEAT MAP
China
Pakistan
India
© 2024 Mapbox © OpenStreetMap
SUM(Quantity)
11
1,079
Data Source
FIXED LOD EXPRESSION 1
EXCLUDE LOD EXPRESSION
FILLED MAP
HEAT MAP
TOP N PARAMETERS
Sheet 6
25 marks
1 row by 1 column
SUM(Quantity): 5,705
33°C
Haze
Search
ENG
IN
15:12
08-03-2024

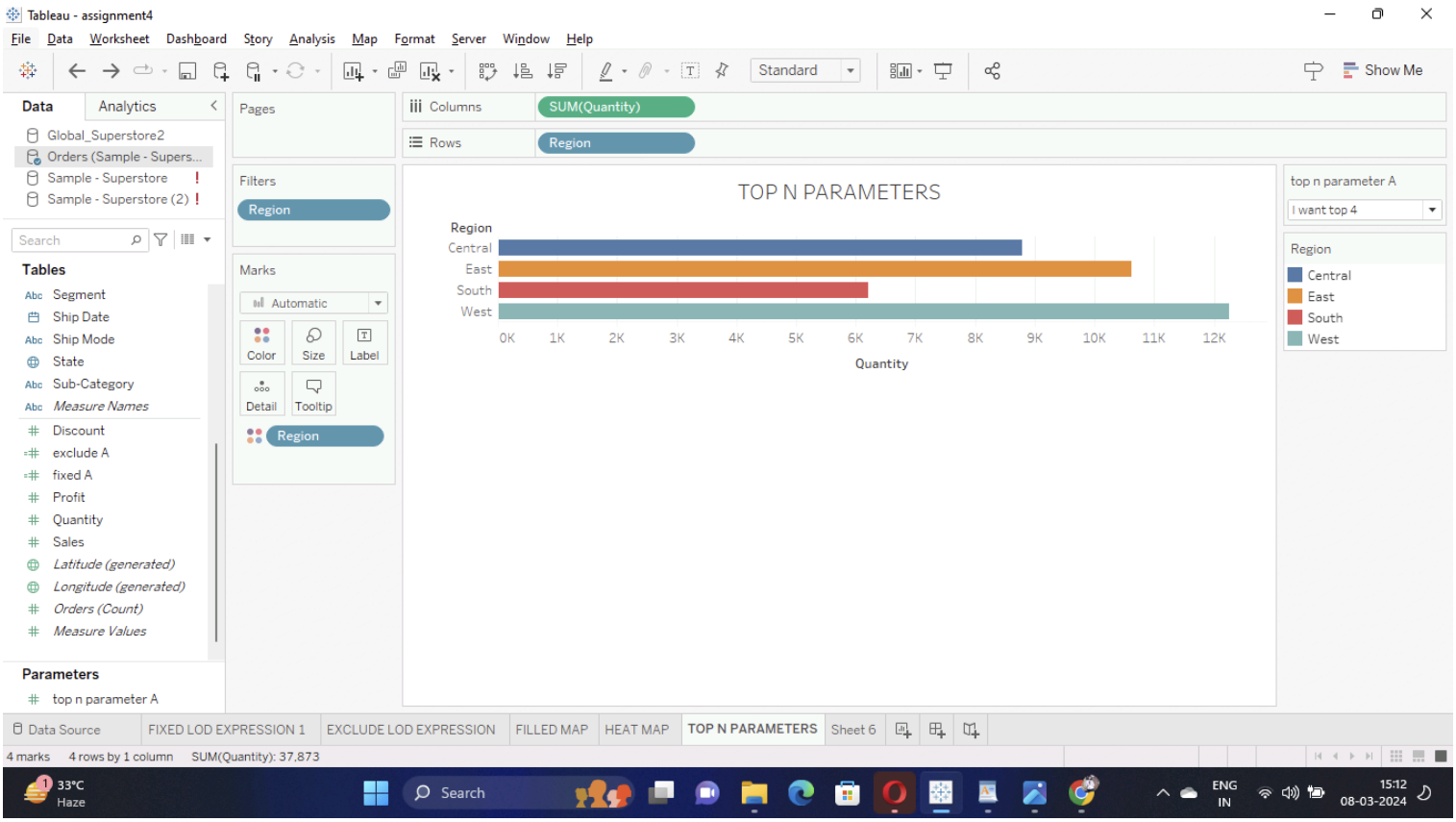
TASK 3:

TOP N PARAMETERS OR DYNAMIC DIMENSIONAL PARAMETERS:

- *The first step to showing the dimension members of the top N and grouping everything else into one line is to create a parameter for the top N. This will eventually allow the end user to choose how many individual dimension members to show (i.e. top 5, top 6, top 7, and so on).*

- *In this visualisation , I give the top 4 parameters according to the region dataset column.*

- *Right-click on the field region and go to the tab named Top. Here, choose the second radio option by field. From the drop-down, choose the option Top 4 by Sum of profit.*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Longitude (generated)
Orders (Count)
Measure Values
Parameters
top n parameter A
Pages
Filters
Region
Marks
Automatic
Color
Size
Label
Detail
Tooltip
Region
Columns
SUM(Quantity)
Rows
Region
TOP N PARAMETERS
Region
Central
East
South
West
0K 1K 2K 3K 4K 5K 6K 7K 8K 9K 10K 11K 12K
Quantity
top n parameter A
I want top 4
Region
Central
East
South
West
Data Source
FIXED LOD EXPRESSION 1
EXCLUDE LOD EXPRESSION
FILLED MAP
HEAT MAP
TOP N PARAMETERS
Sheet 6
4 marks
4 rows by 1 column
SUM(Quantity): 37,873
33°C
Haze
Search
ENG
IN
15:12
08-03-2024