TASK 1: LOD EXPRESSIONS:

Fixed LOD expression :

- As we see above, the fixed LOD expression consists a fixed value that is 742, 000
- Where it repersents the region and segment vise sales in ship mode.
- In this ship mode there are some classes and they are:

  1.first class

  2.second class

  3.standard class

  - These classes are again categorized into regions like central, east, south,west and segments like consumer ,corporate,home office.
  - This LOD expresssion shows the sales region and segment as well as class.
  - Where the fixed sale values is 742,000 and it was obntained by some of all profits.

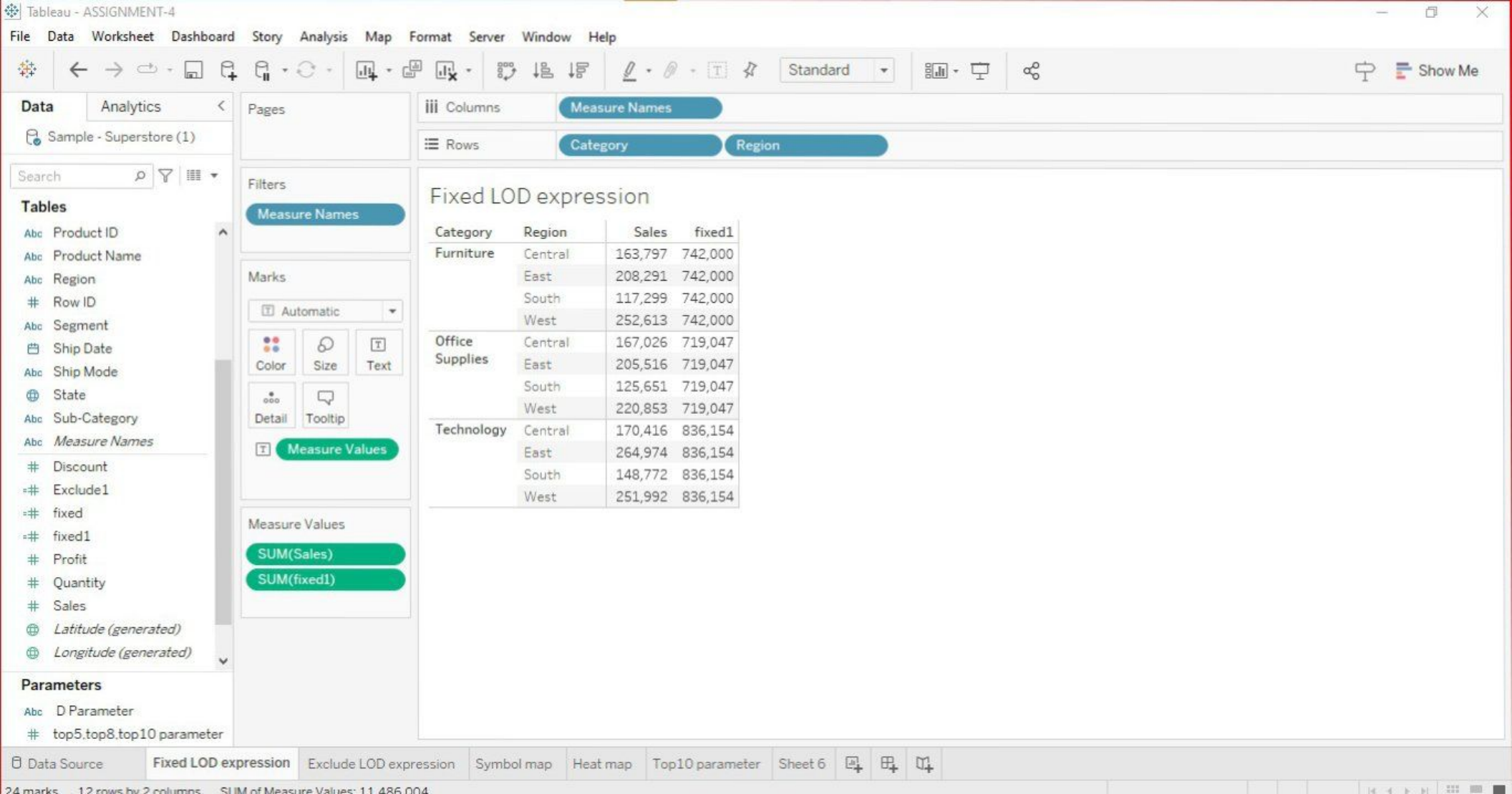


Tableau - ASSIGNMENT-4
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Standard
Show Me
Data
Analytics
Sample - Superstore (1)
Search
Tables
Abc Product ID
Abc Product Name
Abc Region
Row ID
Abc Segment
Ship Date
Abc Ship Mode
State
Abc Sub-Category
Abc Measure Names
Discount
Exclude1
fixed
fixed1
Profit
Quantity
Sales
Latitude (generated)
Longitude (generated)
Parameters
Abc D Parameter
top5.top8.top10 parameter
Pages
Filters
Measure Names
Marks
Automatic
Color
Size
Text
Detail
Tooltip
Measure Values
Measure Values
SUM(Sales)
SUM(fixed1)
Columns
Measure Names
Rows
Category
Region
Fixed LOD expression
Category Region Sales fixed1
Furniture Central 163,797 742,000
East 208,291 742,000
South 117,299 742,000
West 252,613 742,000
Office Supplies Central 167,026 719,047
East 205,516 719,047
South 125,651 719,047
West 220,853 719,047
Technology Central 170,416 836,154
East 264,974 836,154
South 148,772 836,154
West 251,992 836,154
Data Source
Fixed LOD expression
Exclude LOD expression
Symbol map
Heat map
Top10 parameter
Sheet 6
24 marks 12 rows by 2 columns SUM of Measure Values: 11,486,004

EXCLUDE LOD EXPRESSION :

> As we see in above exclude LOD expression, the exclude values are based on the average profit.

> Here, the exclude LOD expression shows the exclude profit value in the Consumer, Corporate and Home Office Segments.

> This Segments are categorized into class using ship mode they are:

1.First Class
2.Second Class
3.Standard Class

> It shows the exclude sales based on the ship mode as well as Segments.

Tableau - ASSIGNMENT-4

File Data Worksheet Dashboard Story Analysis Map Format Server Window Help

Standard Show Me

Data Analytics

Sample - Superstore (1)

Search

Tables

- Abc Customer ID
- Abc Customer Name
- Abc DP
- 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
- Abc *Measure Names*
- # Discount
- # Exclude1
- # fixed

Parameters

- Abc D Parameter
- # top5.top8.top10 parameter

Pages

Filters

Measure Names

Marks

Automatic

Color Size Text

Detail Tooltip

Measure Values

Measure Values

ATTR(Exclude1)

SUM(Sales)

Columns: Measure Names

Rows: Category, Region

Exclude LOD expression

Category	Region	Exclude1	Sales
Furniture	Central	501,240	163,797
	East	678,781	208,291
	South	391,722	117,299
	West	725,458	252,613
Office Supplies	Central	501,240	167,026
	East	678,781	205,516
	South	391,722	125,651
	West	725,458	220,853
Technology	Central	501,240	170,416
	East	678,781	264,974
	South	391,722	148,772
	West	725,458	251,992

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 show your data as shaded areas. Heatmaps show your data using a color gradient. Line maps show you 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 united 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 - ASSIGNMENT-4

File Data Worksheet Dashboard Story Analysis Map Format Server Window Help

Show Me

Data Analytics

Sample - Superstore (1)

Search

Tables

- Abc Customer ID
- Abc Customer Name
- Abc DP
- 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
- Abc *Measure Names*
- Discount
- Exclude1
- fixed

Parameters

- Abc D Parameter
- top5,top8,top10 parameter

Pages

Filters

Marks

Automatic

Color Size Label

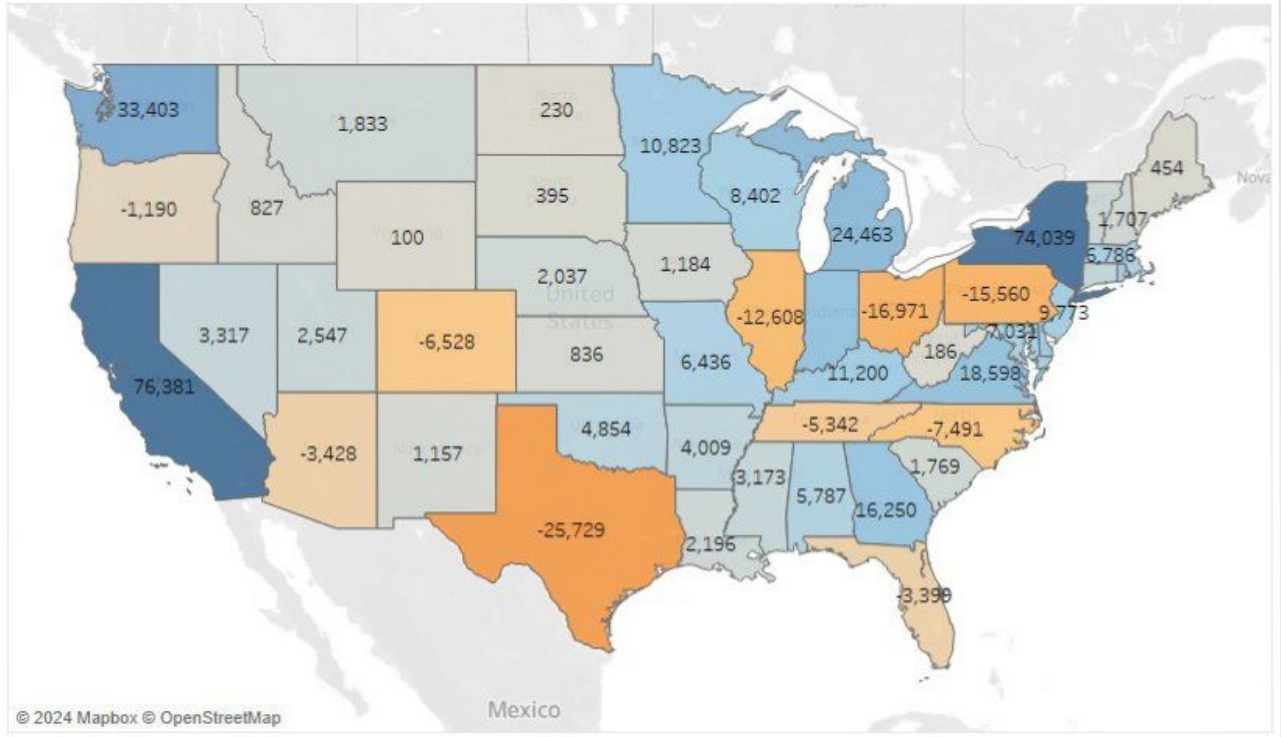
Detail Tooltip

- SUM(Profit)
- Country
- State
- SUM(Profit)

Columns: Longitude (generated)

Rows: Latitude (generated)

Filled map



SUM(Profit)

-25,729 76,381

Data Source | Fixed LOD expression | Exclude LOD expression | Symbol map | Filled map | Top10 parameter | Dynamic dimension parmeters

49 marks 1 row by 1 column SUM(Profit): 286,397

SYMBOL MAPS:

- Symbol maps in Tableau are similar to Filled maps, but they include many more data points. While a symbol map draws a symbol at the intersection of each latitude and longitude pair.
- Symbol maps show your data as shaded areas. Heatmaps show your data using a color gradient. Line maps show you 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 symbol map shows the united country and where mentioned the names of the states in this symbol map, it was colored with different colors for different states in the symbol map.

Tableau - ASSIGNMENT-4

File Data Worksheet Dashboard Story Analysis Map Format Server Window Help

Show Me

Data Analytics

Sample - Superstore (1)

Search

Tables

- Abc Customer ID
- Abc Customer Name
- Abc DP
- 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
- Abc *Measure Names*
- Discount
- Exclude1
- fixed

Parameters

- Abc D Parameter
- top5,top8,top10 parameter

Pages

Filters

Marks

Shape

Color Size Label

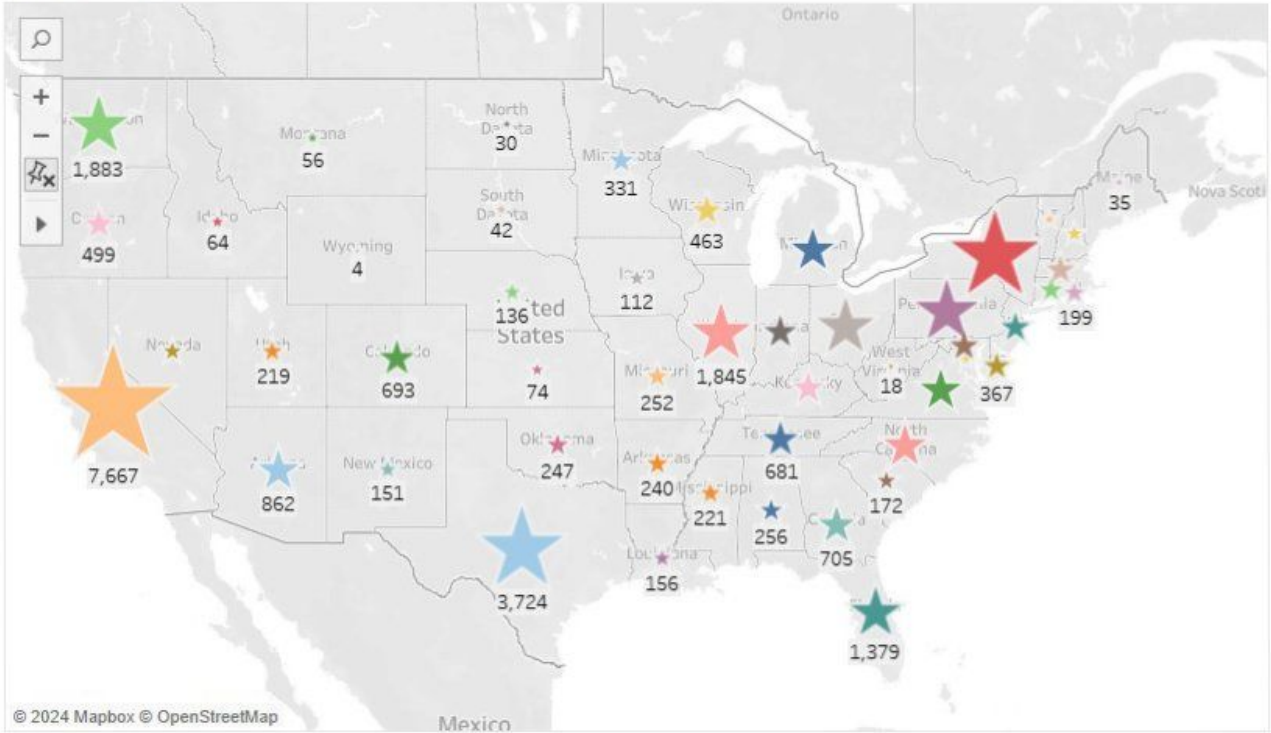
Detail Tooltip Shape

- State
- SUM(Quantity)
- SUM(Quantity)
- Country
- State

Columns: Longitude (generated)

Rows: Latitude (generated)

Symbol map



State

- Alabama
- Arizona
- Arkansas
- California
- Colorado
- Connecticut
- Delaware
- District of Colum..
- Florida
- Georgia
- Idaho
- Illinois
- Indiana
- Iowa
- Kansas
- Kentucky
- Louisiana

SUM(Quantity)

4
2,000
4,000
6,000
7,667

Data Source | Fixed LOD expression | Exclude LOD expression | Symbol map | Heat map | Top10 parameter | Sheet 6

49 marks 1 row by 1 column SUM(Quantity): 37,873

TASK 3 : TOP N PARAMETER OR DYNAMIC DIMENSION PARAMETERS :

- The first step to showing the dimension members of the top N groping everything else into one line is create a paramenter for the top N.This will eventually allow the end user to choose how many individual dimension members to show (i.e top 10, top 8, top 5 and so on).
- In this visualization, I give the Top 3 parameters according to the Sub-category dataset column.
- Rigth click on the field Sub-category and go on to the tab named top.here, choose the second option Top 10 by some of quantity.

Tableau - ASSIGNMENT-4

File Data Worksheet Dashboard Story Analysis Map Format Server Window Help

Standard Show Me

Data Analytics

Sample - Superstore (1)

Search

Tables

- Abc Region
- # Row ID
- Abc Segment
- Ship Date
- Abc Ship Mode
- State
- Abc Sub-Category
- Abc *Measure Names*
- # Discount
- Exclude1
- fixed
- fixed1
- # Profit
- # Quantity
- # Sales
- *Latitude (generated)*
- *Longitude (generated)*
- # *Orders (Count)*
- # *Measure Values*

Parameters

- Abc D Parameter
- # top5,top8,top10 parameter

Pages

Filters

Product Name

Marks

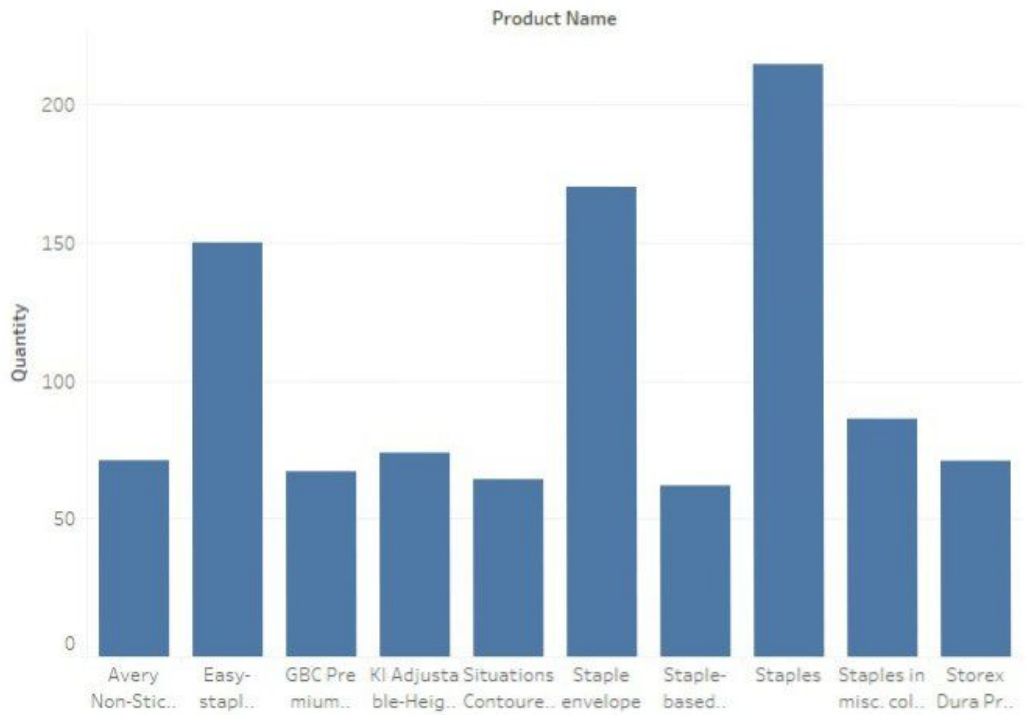
Automatic

Color Size Label Detail Tooltip

Columns: Product Name

Rows: SUM(Quantity)

Top n parameter



top5,top8,top10 para...

top10

Data Source | Fixed LOD expression | Exclude LOD expression | Symbol map | Filled map | Top n parameter | Dynamic dimension parmeters

10 marks 1 row by 10 columns SUM(Quantity): 1,030

DYNAMIC DIMENSIONAL PARAMETER:

- This pie chart represent dynamic dimensional parameter.
- In this parameter we used segment and Sub-catgory.
- By using parameter we can see Sub-catgory or segment by profit.
- Segment like :
  - Consumer
  - Corporate
  - Home office.

Tableau - ASSIGNMENT-4

File Data Worksheet Dashboard Story Analysis Map Format Server Window Help

Entire View | Show Me

Data | Analytics

Sample - Superstore (1)

Search

Tables

- Abc Customer ID
- Abc Customer Name
- Abc DP
- 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
- Abc *Measure Names*
- # Discount
- # Exclude1
- # fixed

Parameters

- Abc D Parameter
- # top5,top8,top10 parameter

Pages

Filters

Marks

Pie

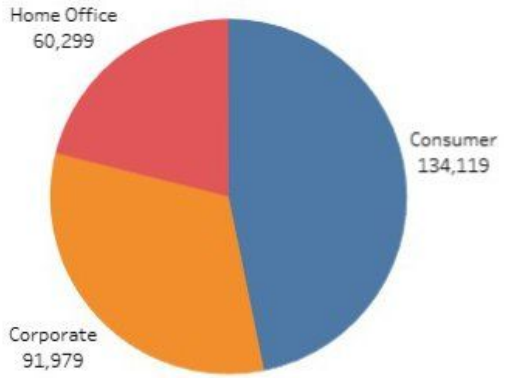
Color | Size | Label | Detail | Tooltip | Angle

- DP
- SUM(Profit)
- SUM(Profit)
- Segment
- SUM(Profit)

Columns

Rows

Dynamic dimension parmeters



D Parameter

Segment

DP

- Consumer
- Corporate
- Home Office

SUM(Profit)

286,397

Data Source | Fixed LOD expression | Exclude LOD expression | Symbol map | Heat map | Top10 parameter | Dynamic dimension parmeters

3 marks 1 row by 1 column SUM(Profit): 286,397