

DATA ANALYTICS WITH TABLEAU

ASSIGNMENT – 4

DATASET :  Sample - Superstore.xls

Task 1:- Create one fixed and one exclude LOD expression

Task 2: Create any 2 map visualizations using geographical data.

Task 3: Create Top N and/or Dynamic dimension parameters and utilize those in your workbook.

Explain LOD Expression, Map Visualizations using geographical data and Top N, Dynamic dimension Parameters

LOD Expression :- Level of Detail (LOD) expressions are used to run complex queries involving many dimensions at the data source level instead of bringing all the data to Tableau interface.

Different types of LOD functions :-

1. Fixed
2. Include
3. Exclude

Map Visualization using geographical data :-

Tableau is a tool for analyzing geographical data. It can automatically turn location data into interactive maps.

ZOOM Levels :- 16

In Map Visualization, Geographical fields are double click on the field the datapane and tableau will create a map using generated latitude and longitude fields.

Top N Parameter :-

Top N parameter uses a value selected by the user, where N is a value. The value can be static or controlled by a parameter.

Top N parameter is also known as Bottom N.

Tableau allows users to filter and display a certain percentage of their data.

Dynamic Dimension Parameters :-

Create a Parameter. Create a new Parameter that lists your dimensions.

Create a Calculated field that will be used as a dimension in your worksheet. Dimension to display when a particular parameter value is selected.

Add the calculated fields to the canvas.

1. Colours
2. Filters
3. Select any ratings or price ranges.

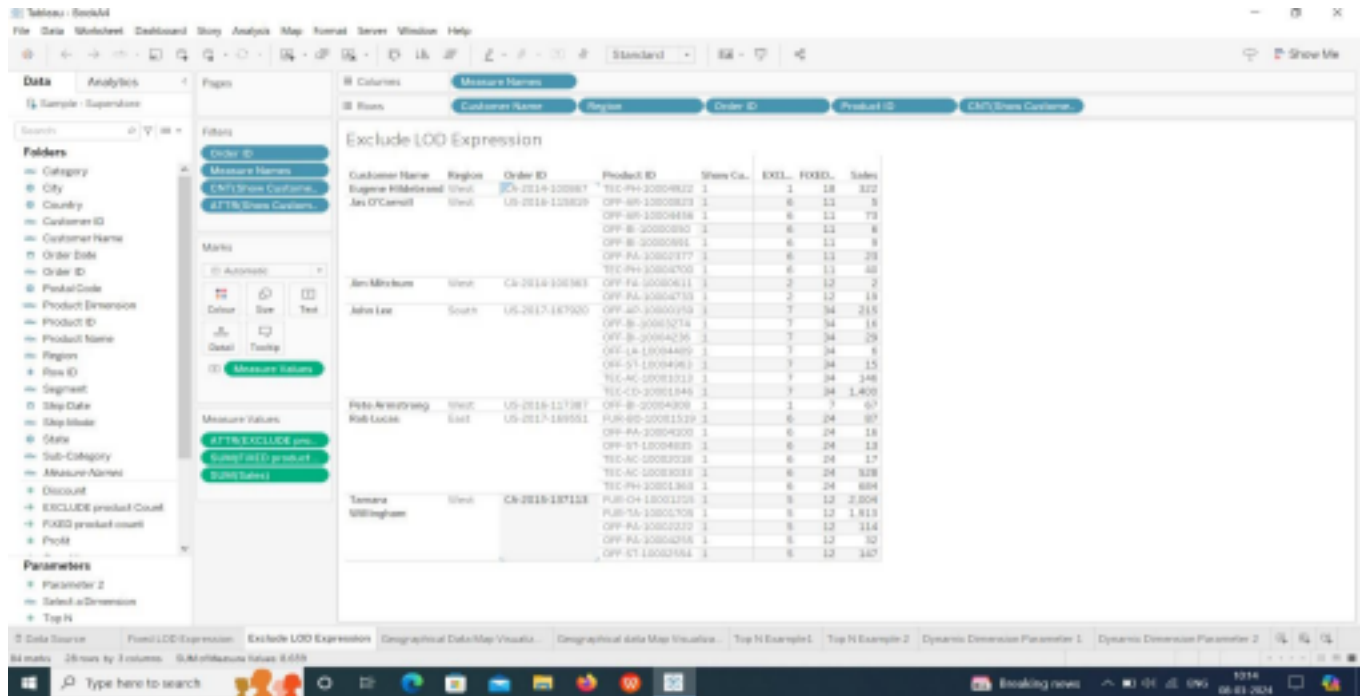
Create One Fixed LOD Expression and one exclude LOD expression

1. One Fixed LOD

The screenshot shows the Tableau Desktop interface with a 'Fixed LOD Expression' table. The table has columns for Customer Name, Region, Order ID, Product Name, FIXED Quantity, and Sales. The data is filtered by Customer Name, Region, Order ID, and Product Name. The table shows sales data for various customers and products, with the FIXED Quantity column showing the same value for all rows in a group.

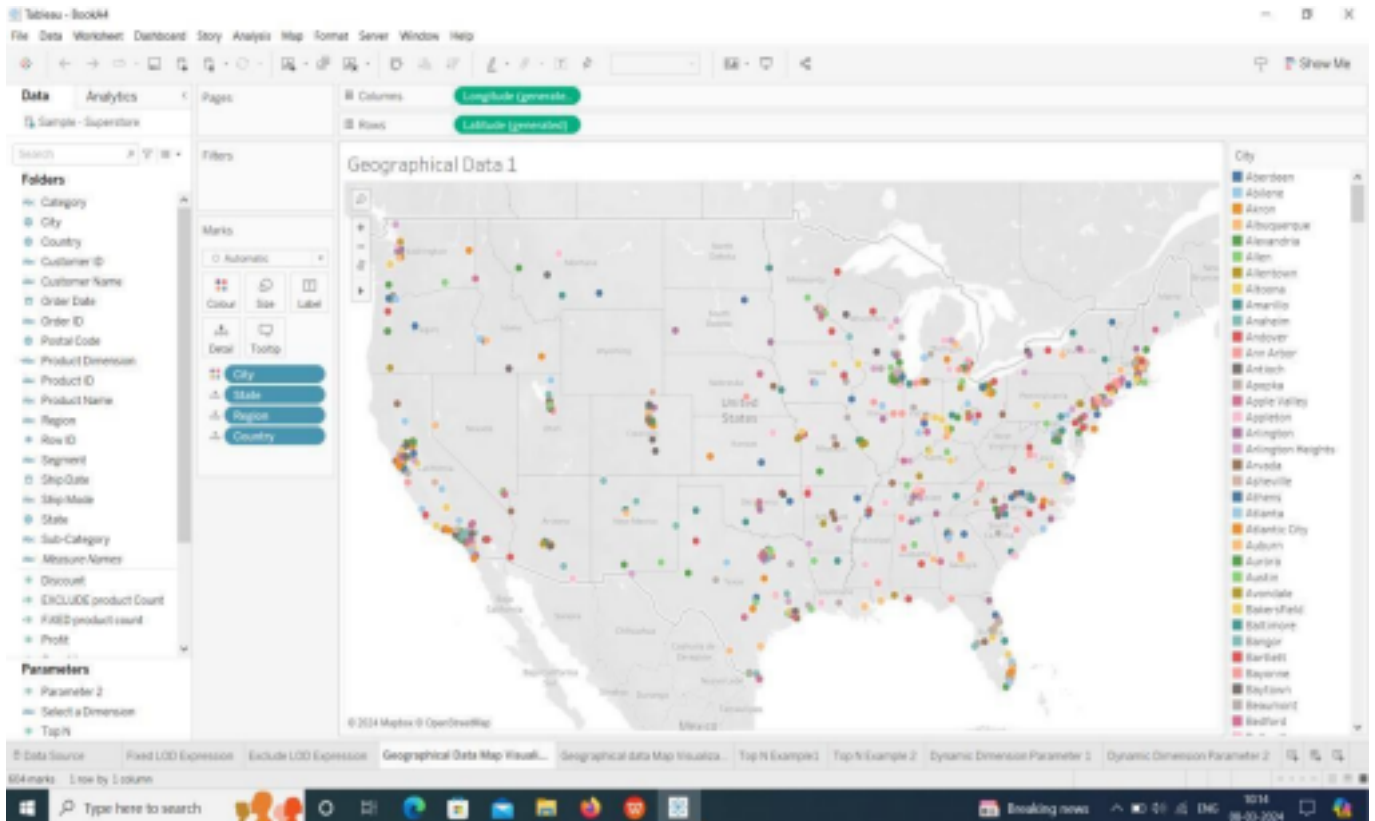
Customer Name	Region	Order ID	Product Name	FIXED Quantity	Sales	
Allen	Central	CA-2017-045877	Staple envelope	25.0	5.0	28.4
Stillingsburg	South	US-2017-028063	Newslet 305	25.0	3.0	34.7
Alan Shewdy	South	CA-2015-250749	Newslet 335	13.0	2.0	5.6
Luke Foster	East	CA-2015-209512	Staple envelope	16.0	3.0	29.3
Philip Brown	South	CA-2014-207973	Staple envelope	13.0	3.0	23.5
Zachuta	West	CA-2014-043336	Crash GRA5815 I P F	9.0	3.0	213.5
Bonafelli			Newslet 341	9.0	2.0	8.6
		CA-2017-041485	William Jones Hangl	9.0	4.0	22.7
			Kensington 6 Out let	9.0	3.0	61.4

2. One Exclude LOD

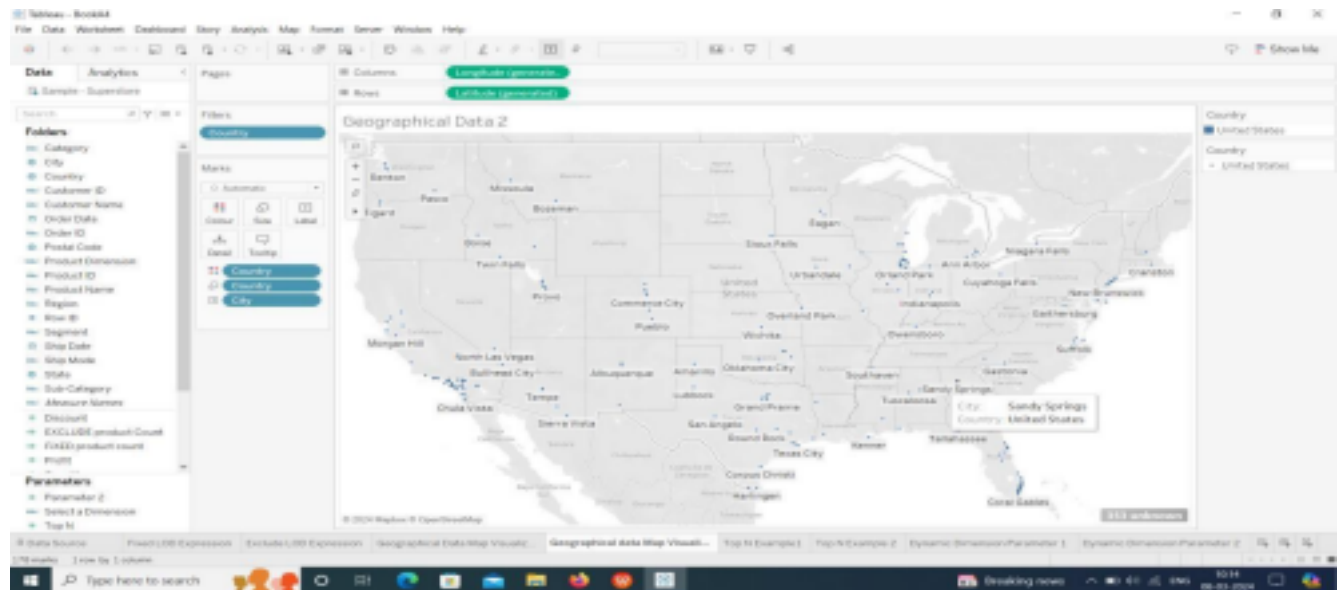


Create any 2 map visualizations using geographical data :-

Map visualization 1:



Map Visualization 2:



Create Top N and/or Dynamic dimension parameters and utilize those in your workbook:-

Top N Parameters:

