DATAANALYTICSWITHTABLEAUA

SSIGNMENT–4

V. Chaitanya
Sarojitha
20NN1A0553
IV-BTECH(CSE)
VNITSW

DATASET: Sample-Superstore.xls

Task1:-Createonefixedand oneexcludeLODexpression

Task2:Createany2mapvisualizationsusinggeographicaldata.

Task3:CreateTopNand/orDynamicdimensionparametersandutilizethoseinyourworkbook.

Explain LOD Expression, Map Visualizations using geographical data andTopN,DynamicdimensionParameters

LOD Expression:- Level of Detail (LOD) expressions are used to run complexqueriesinvolving many dimensions at the data source level instead of bringing all thedatatoTableauinterface.

DifferenttypesofLODfunctions:-

1. Fixed
2. Include
3. Exclude

MapVisualizationusinggeographicaldata:-

Tableau is a tool for analyzing geographical data. It can automatically turn locationdataintointeractivemaps.

ZOOMLevels:-16

InMapVisualization,Geographicalfieldsaredoubleclickonthefieldthedatapaneandtableauwill create amap usinggeneratedlatitude and longitudefields.

TopNParameter:-

TopNparameterusesavalueselectedbytheuser,whereNisavalue.Thevaluecanbe staticorcontrolledbyaparameter.

TopNparameterisalsoknownasBottomN.

Tableauallowsuserstofilterand displayacertainpercentageoftheirdata.

DynamicDimensionParameters:-

CreateaParameter.CreateanewParameterthatlistsyourdimensions.

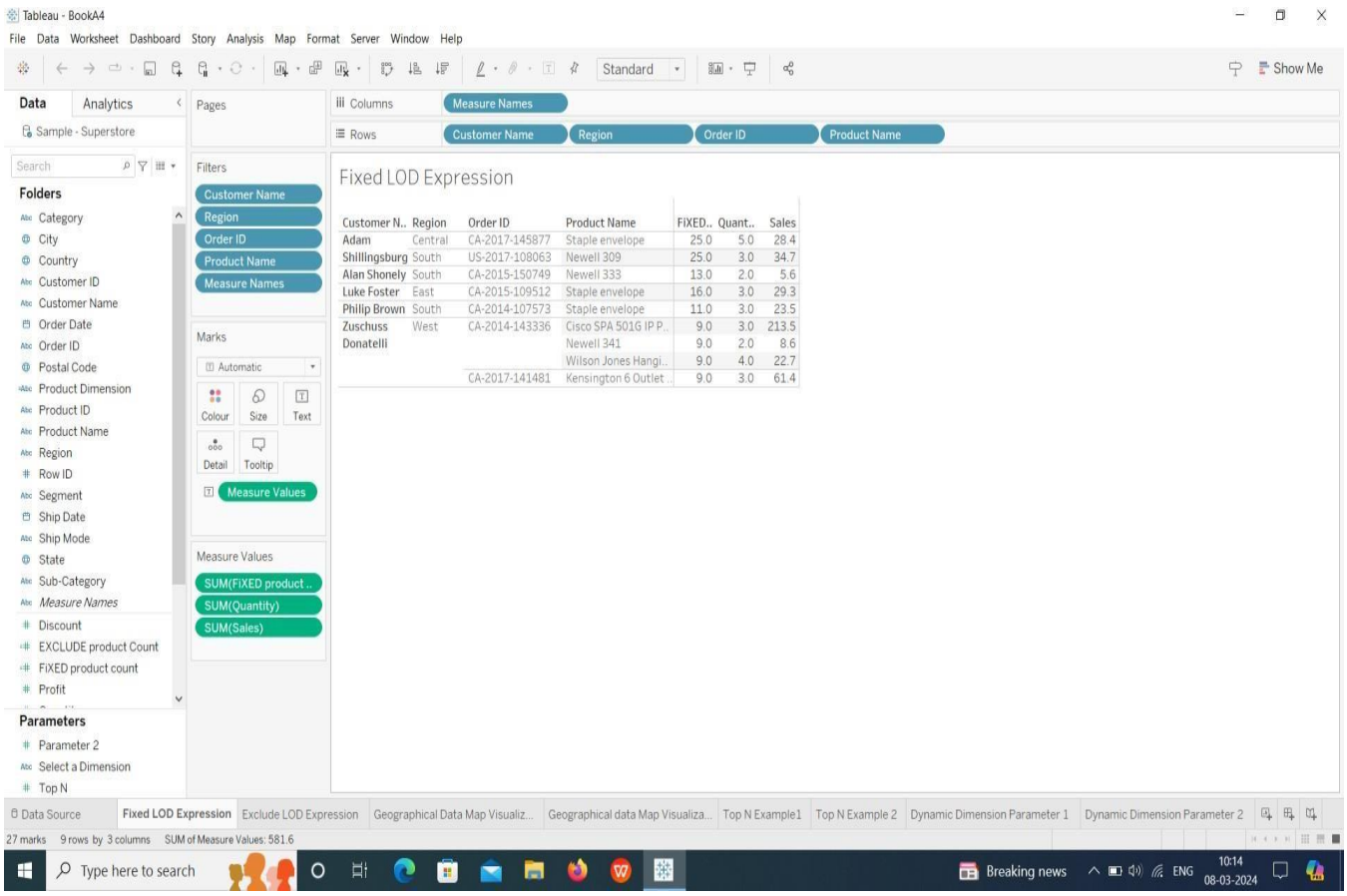
CreateaCalculatedfieldthatwillbeusedasadimensioninyourworksheet.Dimensiontodisplaywhena particularparametervalueis selected.

Addthecalculatedfieldstothecanvas.

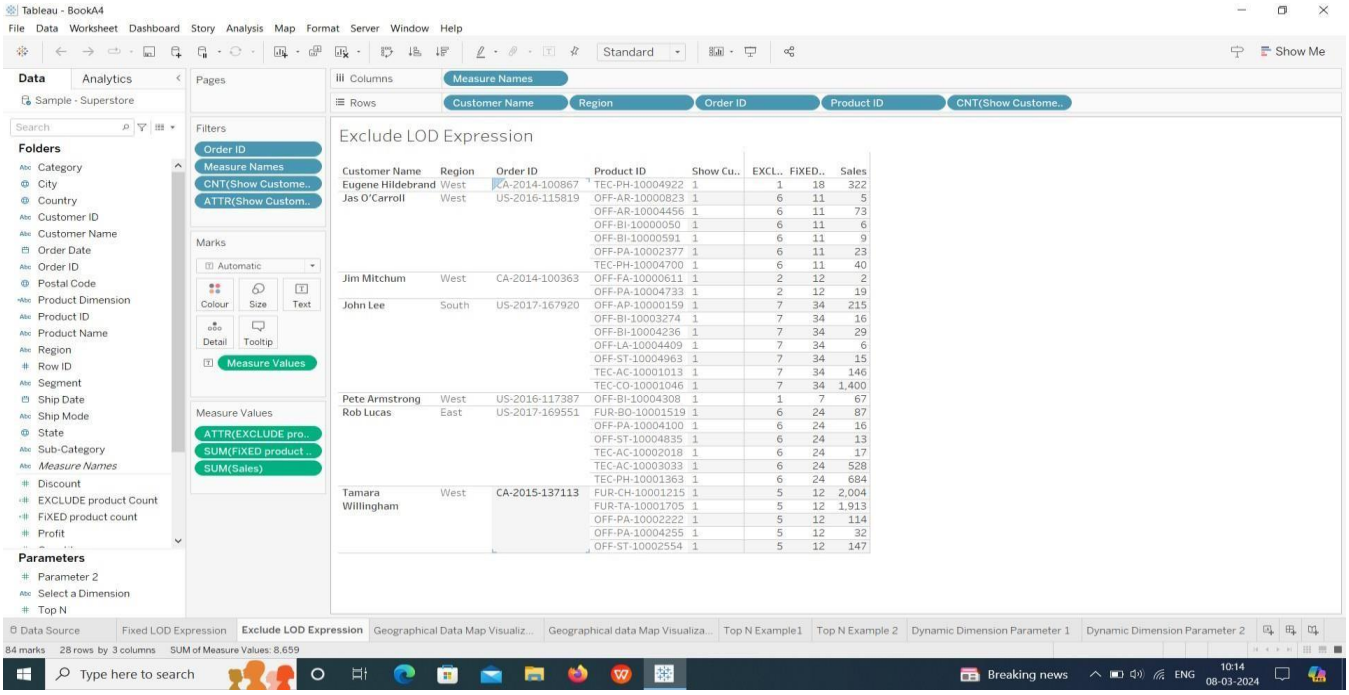
1. Colours
2. Filters
3. Selectanyratingsor priceranges.

CreateOneFixedLODExpressionandoneexcludeLODexpression

1.OneFixedLOD

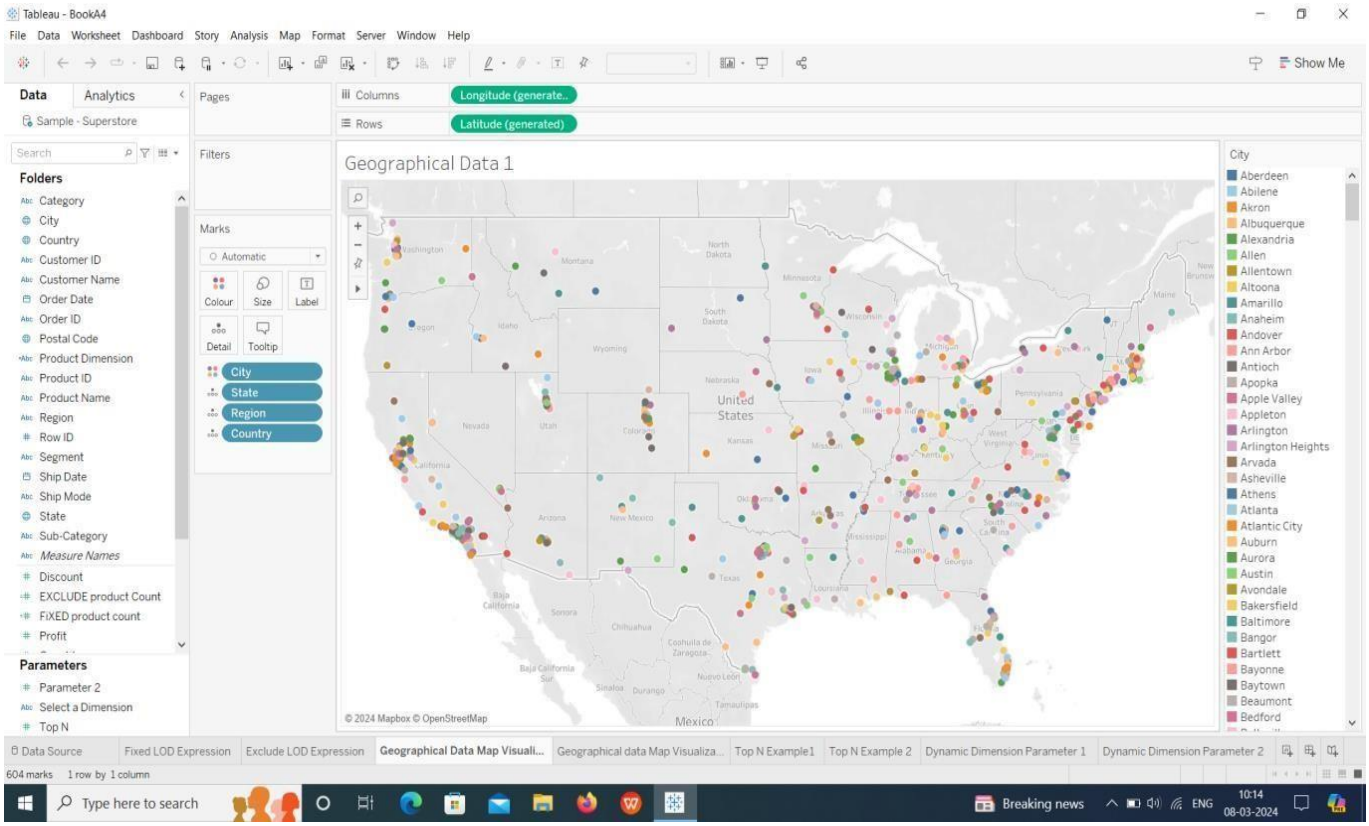


2. OneExcludeLOD

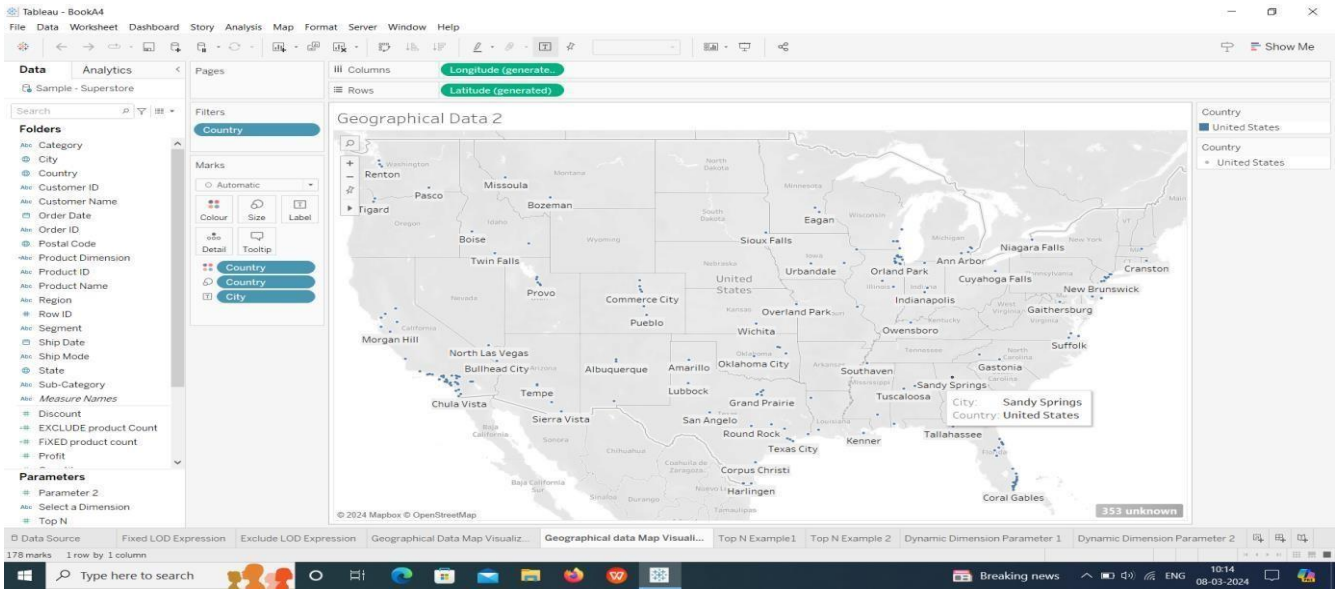


Createany2mapvisualizationsusinggeographicaldata:-

Mapvisualization1:

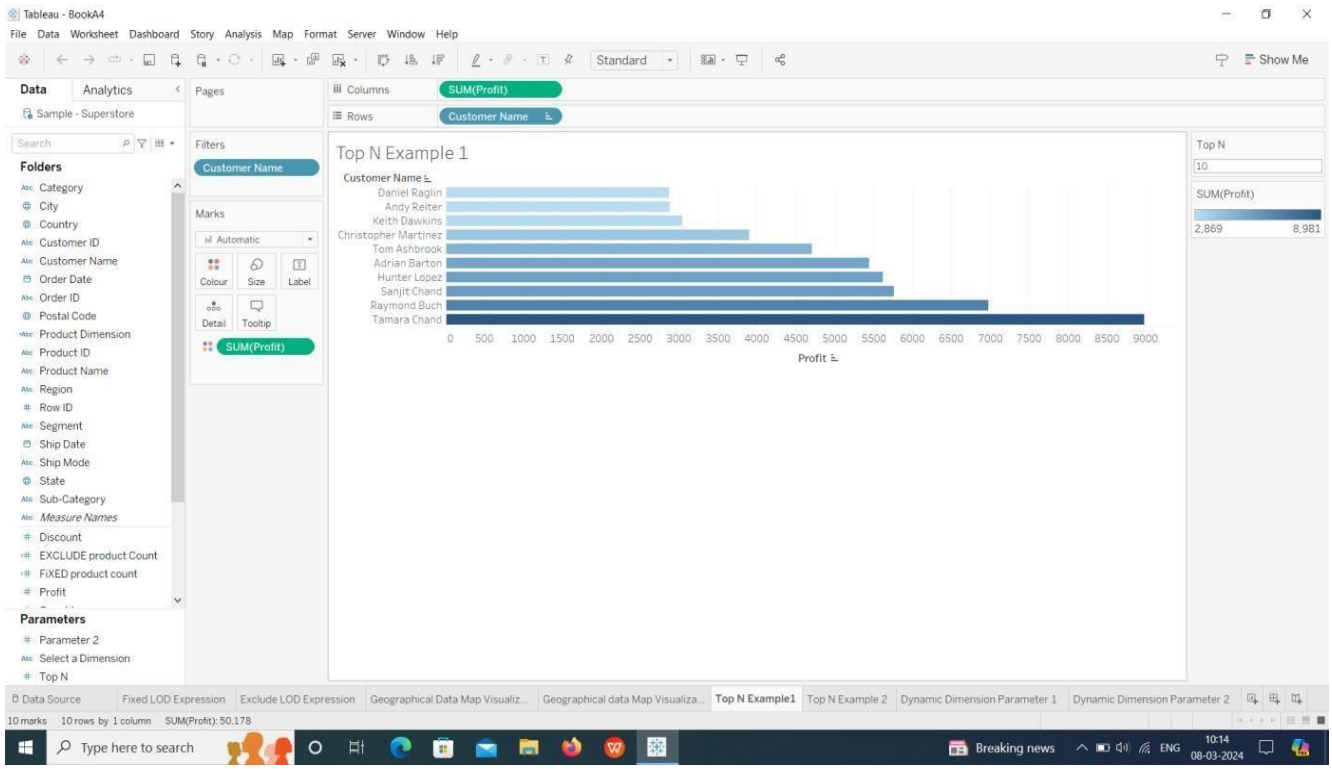


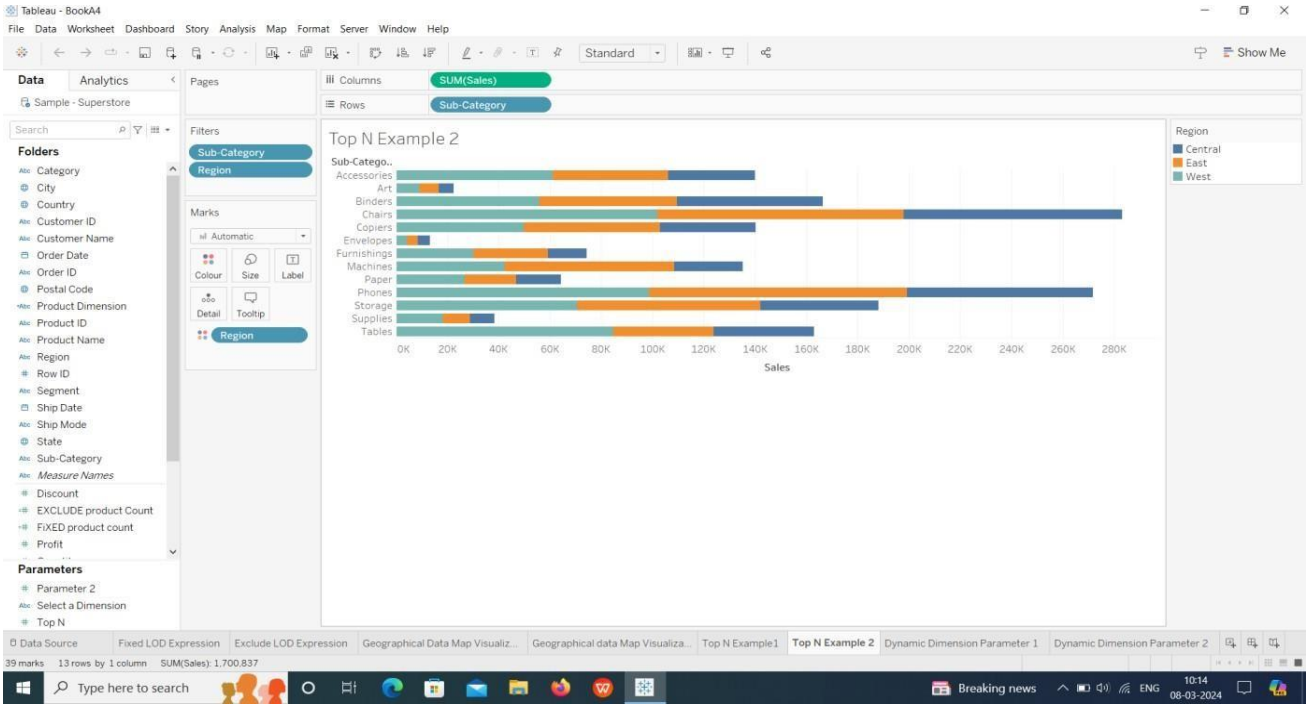
MapVisualization2:



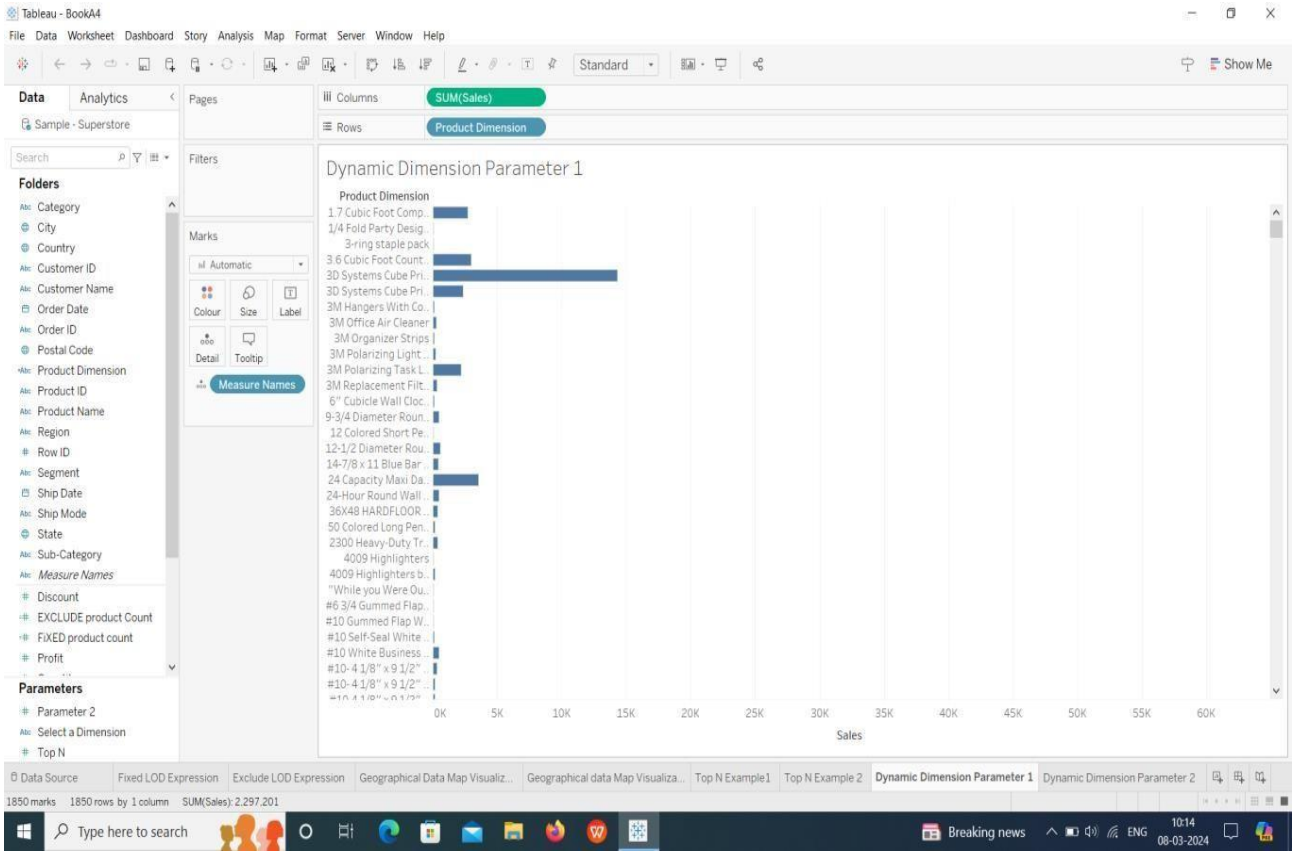
CreateTopNand/orDynamicdimensionparametersandutilizethoseinyourworkbook:-

TopNParameters:





DynamicDimensionParameter:



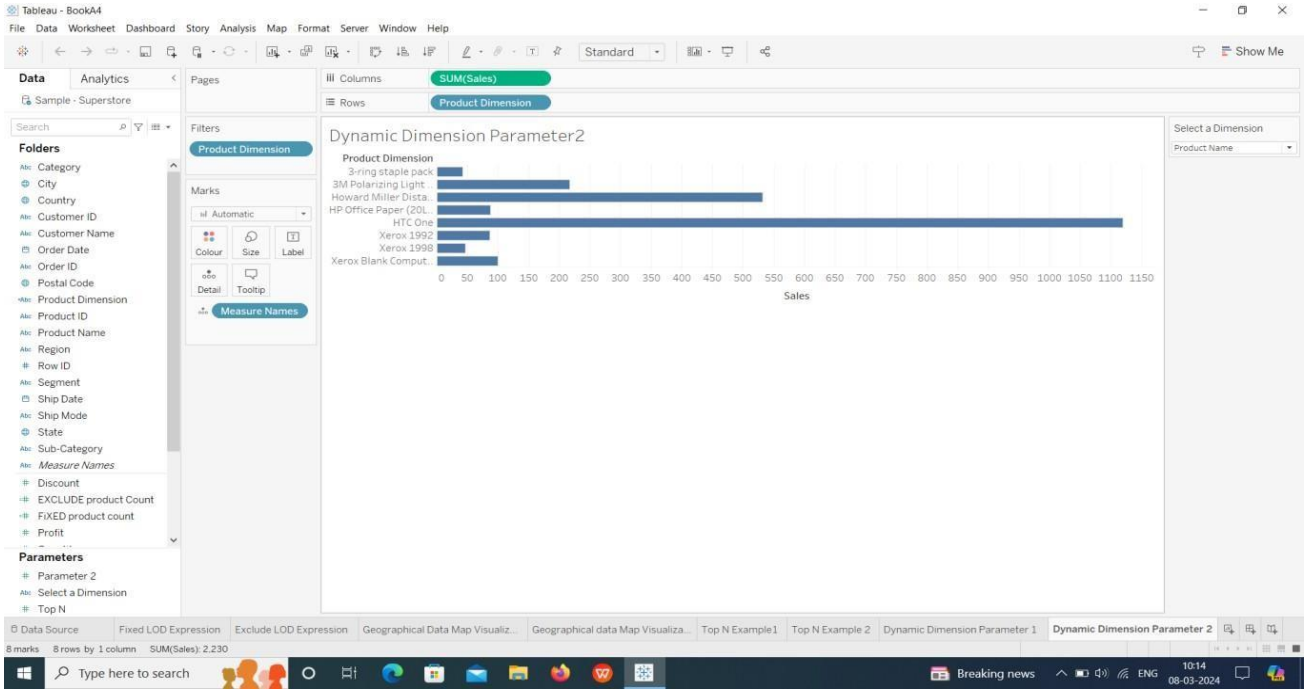


Tableau - BookA4
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Standard
Show Me
Data
Analytics
Sample - Superstore
Search
Folders
Category
City
Country
Customer ID
Customer Name
Order Date
Order ID
Postal Code
Product Dimension
Product ID
Product Name
Region
Row ID
Segment
Ship Date
Ship Mode
State
Sub-Category
Measure Names
Discount
EXCLUDE product Count
FIXED product count
Profit
Parameters
Parameter 2
Select a Dimension
Top N
Pages
Filters
Product Dimension
Marks
Automatic
Colour
Size
Label
Detail
Tooltip
Measure Names
Columns
SUM(Sales)
Rows
Product Dimension
Dynamic Dimension Parameter2
Product Dimension
3-ring staple pack
3M Polarizing Light ..
Howard Miller Dista..
HP Office Paper (20L..
HTC One
Xerox 1992
Xerox 1998
Xerox Blank Comput..
0 50 100 150 200 250 300 350 400 450 500 550 600 650 700 750 800 850 900 950 1000 1050 1100 1150
Sales
Select a Dimension
Product Name
Data Source
Fixed LOD Expression
Exclude LOD Expression
Geographical Data Map Visualiz...
Geographical data Map Visualiza...
Top N Example1
Top N Example 2
Dynamic Dimension Parameter 1
Dynamic Dimension Parameter 2
8 marks
8 rows by 1 column
SUM(Sales): 2,230
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