ASSIGNMENT 4

Name: Ch. Rishita
Hallticket no: 20NN1A0568
College : Vignan's Nirula Institute of Technology and Science for Women (VNITSW)

DATASET : Sample - Superstore.xls - Orde

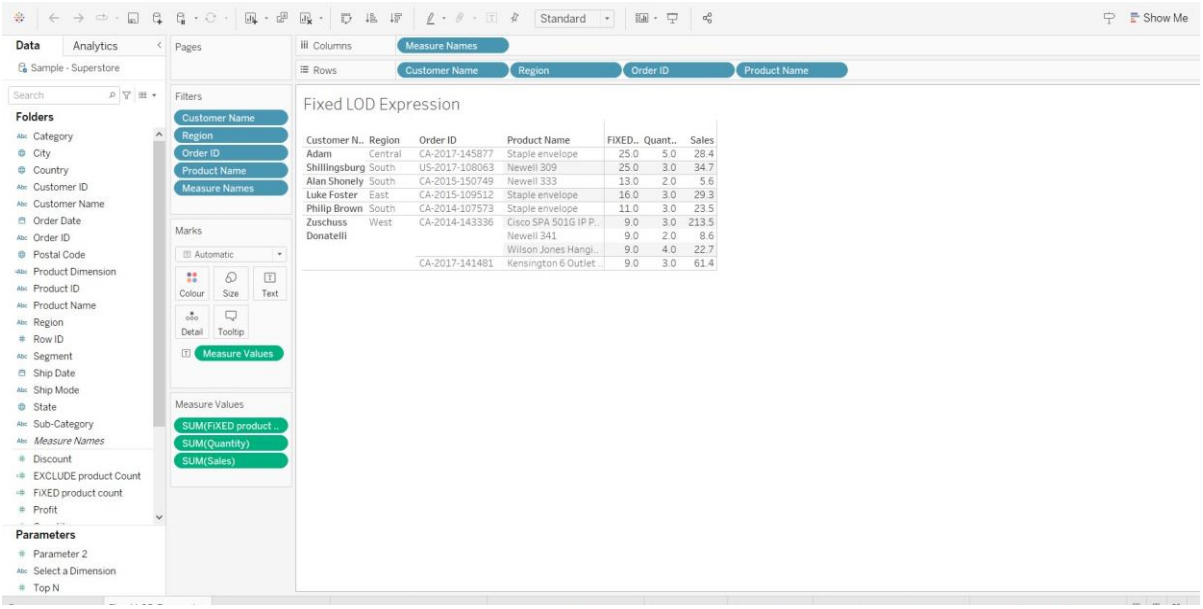
Task 1:- Create one fixed and one exclude LOD expression.

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

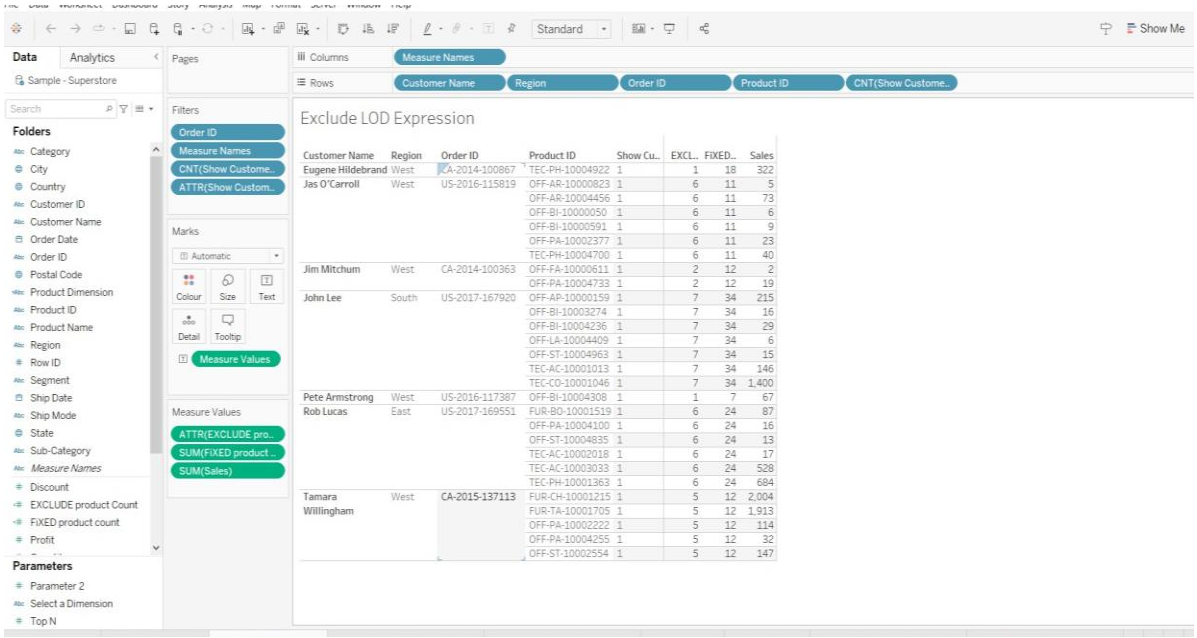
Task 3: Create Top N and/or Dynamic dimension parameters and utilize those in your workbook.

Task-1:

Fixed LOD Expression: A fixed LOD expression computes values using the specified dimensions without reference to the dimensions in the view. It allows you to compute a value at a specified level of granularity, regardless of the dimensions in the view. For example, {FIXED [Region] : SUM([Sales])} would compute the total sales for each region, irrespective of any other dimensions in the view.



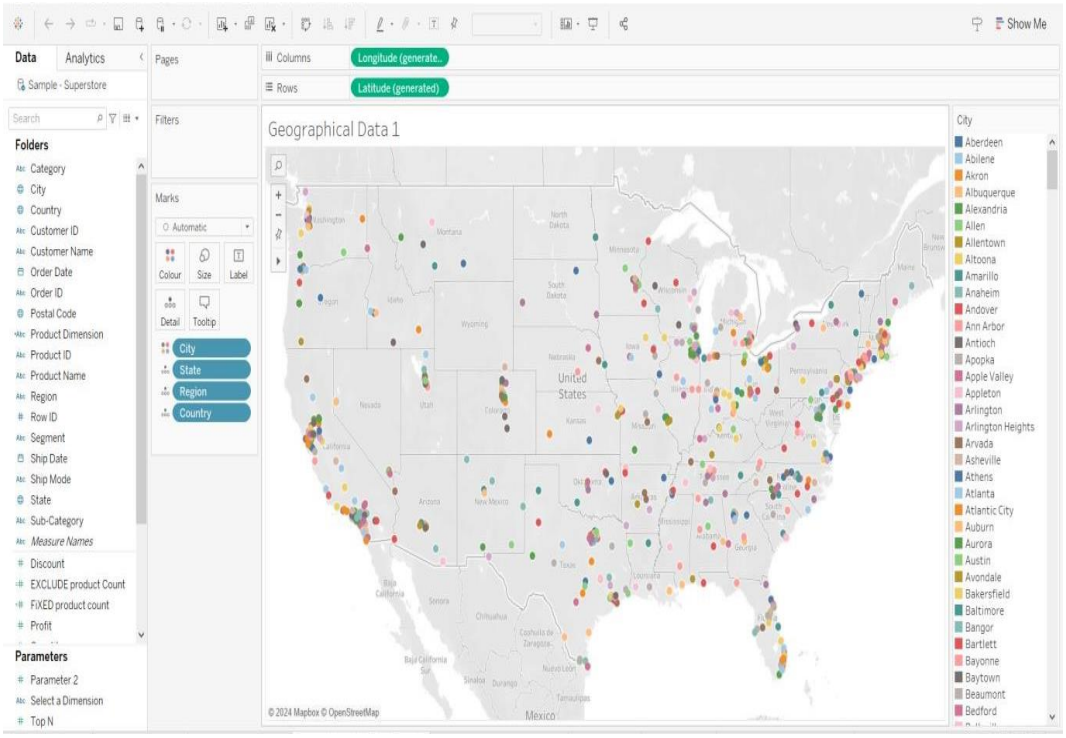
Exclude LOD Expression: An exclude LOD expression excludes the specified dimensions from the view while performing the aggregation. It's similar to the fixed LOD, but it excludes the specified dimensions from the view level of detail before aggregating. For example, {EXCLUDE [Product] : AVG([Profit])} would compute the average profit for each combination of dimensions in the view, excluding the product dimension.



Task-2:

Map visualizations are used to represent data spatially. Here are two types:
Choropleth Map: This map represents data values using different colors or shading patterns on predefined geographic areas like countries, states, or postal codes. Each area is shaded according to the value of the data it represents. Choropleth maps are useful for showing variations in data across different geographic regions.

Symbol Map: Symbol maps use symbols or markers to represent data points on a map. Each symbol typically represents a single data point, and attributes such as size, shape, or color of the symbol can be used to encode additional information about the data. Symbol maps are useful for visualizing individual data points and their geographic distribution.


Show Me
Data
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City
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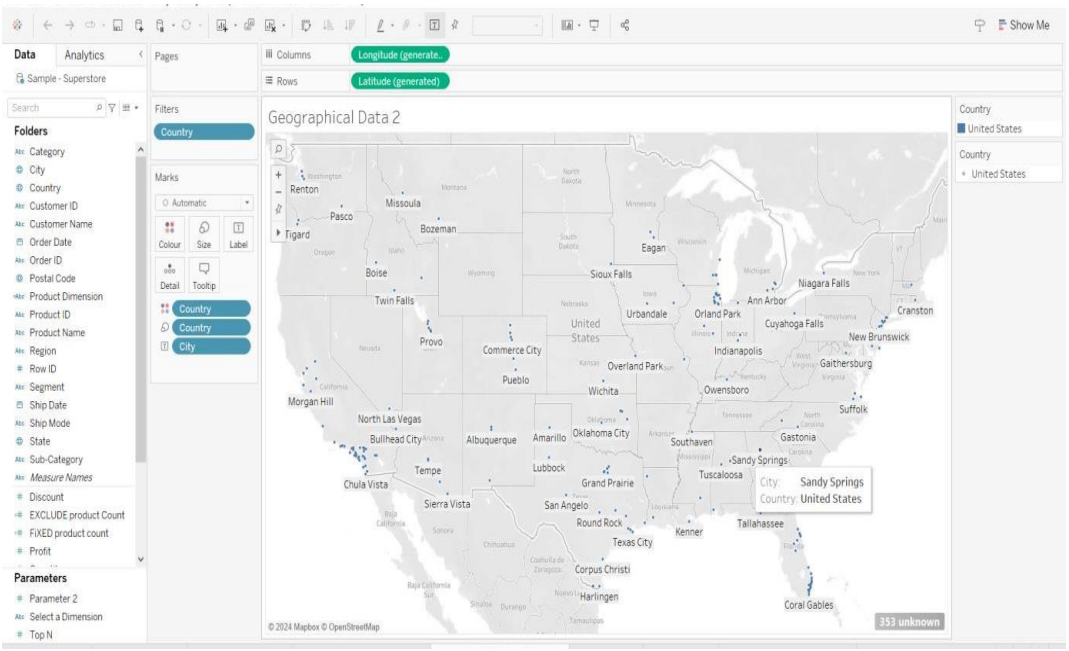
Folders
Category
City
Country
Customer ID
Customer Name
Order Date
Order ID
Postal Code
Product Dimension
Product ID
Product Name
Region
Row ID
Segment
Ship Date
Ship Mode
State
Sub-Category
Measure Names
Discount
EXCLUDE product Count
FIXED product count
Profit
Parameters
Parameter 2
Select a Dimension
Top N
United States
Mexico
© 2024 Mapbox © OpenStreetMap
City
Aberdeen
Abilene
Akron
Albuquerque
Alexandria
Allen
Allentown
Altoona
Amarillo
Anaheim
Andover
Ann Arbor
Antioch
Apopka
Apple Valley
Appleton
Arlington
Arlington Heights
Arvada
Asheville
Athens
Atlanta
Atlantic City
Auburn
Aurora
Austin
Avondale
Bakersfield
Baltimore
Bangor
Bartlett
Bayonne
Baytown
Beaumont
Bedford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Tooltip
Country
Country
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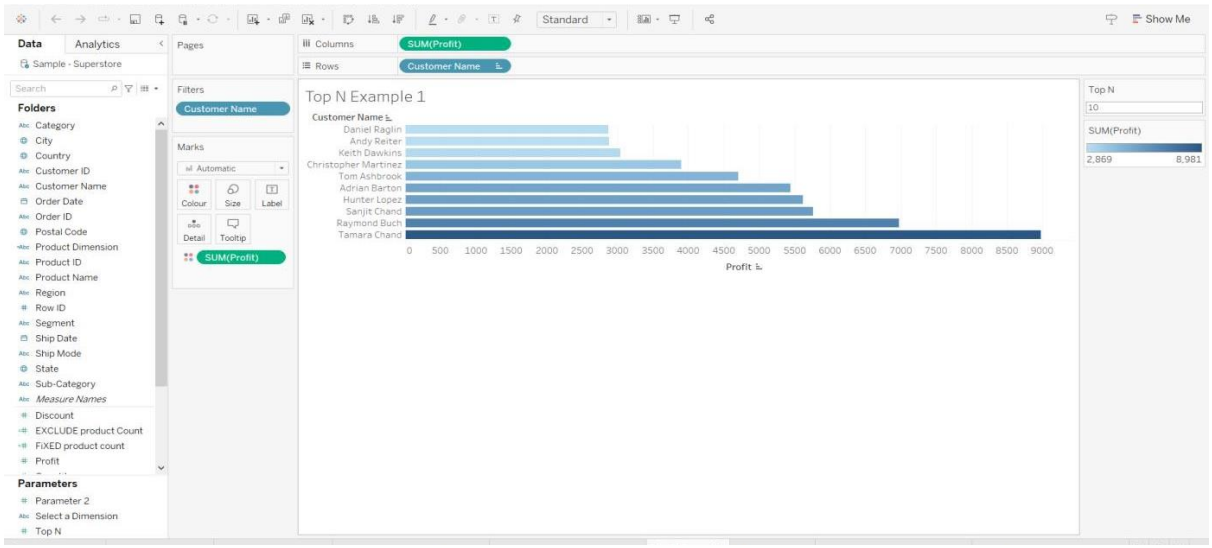
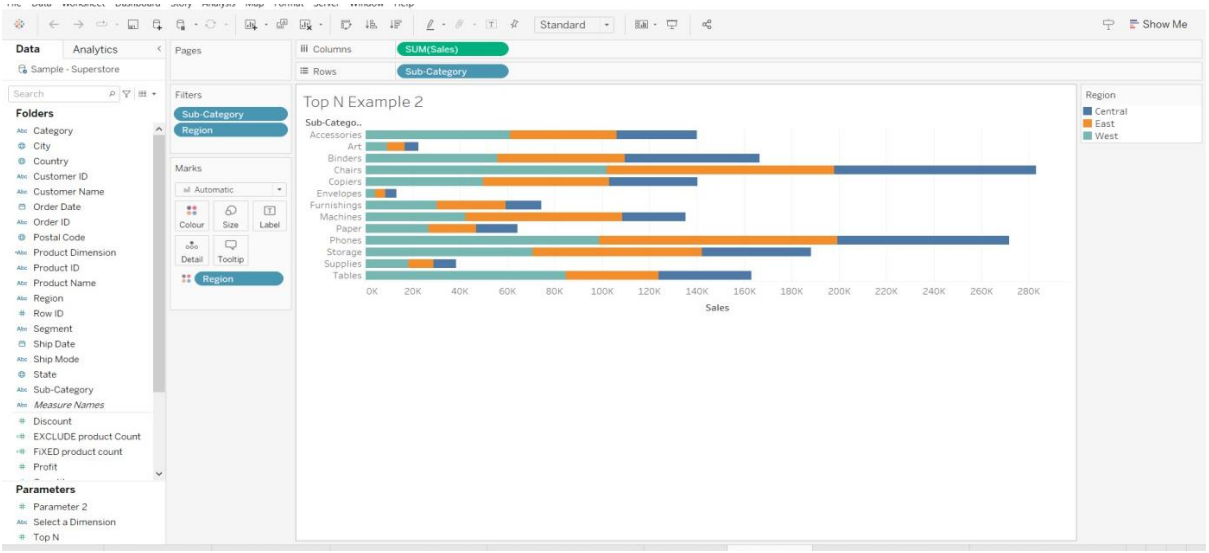
Folders
Category
City
Country
Customer ID
Customer Name
Order Date
Order ID
Postal Code
Product Dimension
Product ID
Product Name
Region
Row ID
Segment
Ship Date
Ship Mode
State
Sub-Category
Measure Names
Discount
EXCLUDE product Count
FIXED product count
Profit
Parameters
Parameter 2
Select a Dimension
Top N
Renton
Missoula
Pasco
Bozeman
Tigard
Boise
Twin Falls
Provo
Eagan
Sioux Falls
Urbandale
Orland Park
Ann Arbor
Niagara Falls
Cranston
Cuyahoga Falls
New Brunswick
Gaithersburg
Indianapolis
Commerce City
Overland Park
Pueblo
Wichita
Owensboro
Suffolk
Morgan Hill
North Las Vegas
Bullhead City
Albuquerque
Amarillo
Oklahoma City
Southaven
Gastonia
Sandy Springs
Tempe
Lubbock
Grand Prairie
Tuscaloosa
Chula Vista
Sierra Vista
San Angelo
Round Rock
Texas City
Kenner
Tallahassee
Corpus Christi
Harlingen
Coral Gables
City: Sandy Springs
Country: United States
353 unknown
© 2024 Mapbox © OpenStreetMap
Country
United States
Country
United States

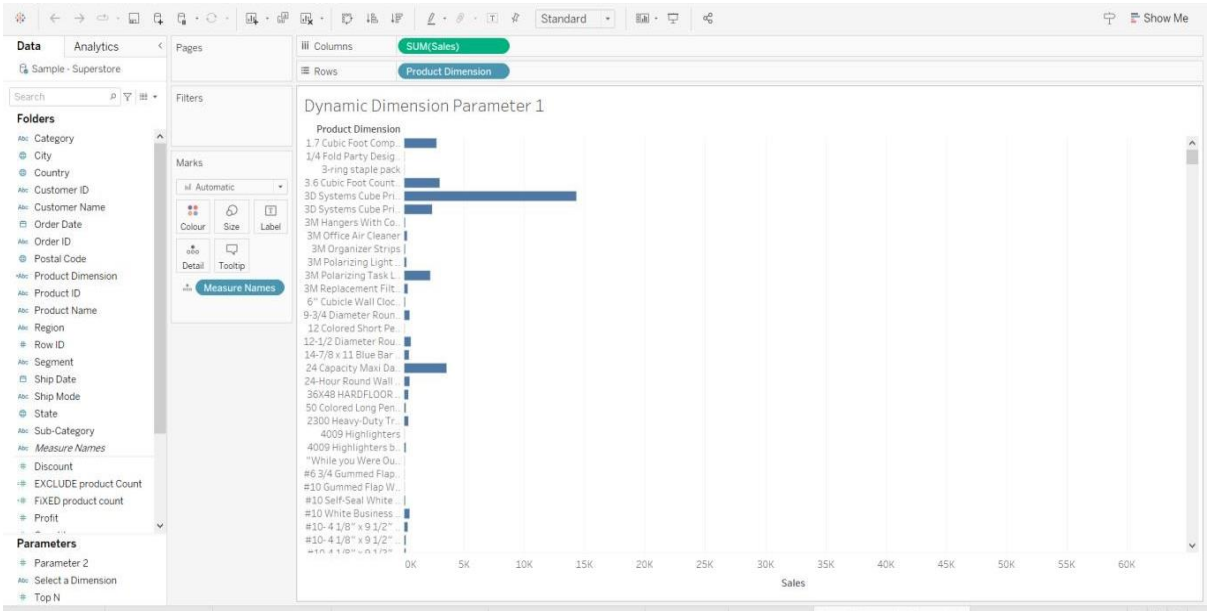
Task-3:

Top N Parameter: A Top N parameter allows users to dynamically select the number of top items they want to see in a visualization. For example, you can create a parameter where users can choose the top 5, 10, or any other number of items they want to display.

Dynamic Dimension Parameter: A dynamic dimension parameter enables users to dynamically switch between different dimensions in a visualization. This can be useful when you have multiple dimensions, and users want to analyze the data based on different dimensions without creating separate visualizations for each dimension.






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
Marks
Automatic
Colour
Size
Label
Detail
Tooltip
Measure Names
Columns
SUM(Sales)
Rows
Product Dimension
Dynamic Dimension Parameter 1
Product Dimension
1.7 Cubic Foot Comp...
1/4 Fold Party Desig...
3-ring staple pack
3.6 Cubic Foot Count...
3D Systems Cube Pri...
3D Systems Cube Pri...
3M Hangers With Co...
3M Office Air Cleaner
3M Organizer Strips
3M Polarizing Light ...
3M Polarizing Task L...
3M Replacement Filt...
6" Cubicle Wall Cloc...
9-3/4 Diameter Roun...
12 Colored Short Pe...
12-1/2 Diameter Rou...
14-7/8 x 11 Blue Bar ...
24 Capacity Maxi Da...
24-Hour Round Wall ...
36X48 HARDFLOOR ...
50 Colored Long Pen...
2300 Heavy-Duty Tr...
4009 Highlighters
4009 Highlighters b...
"While you Were Ou...
#6 3/4 Gummed Flap...
#10 Gummed Flap W...
#10 Self-Seal White ...
#10 White Business ...
#10- 4 1/8" x 9 1/2" ...
#10- 4 1/8" x 9 1/2" ...
0K
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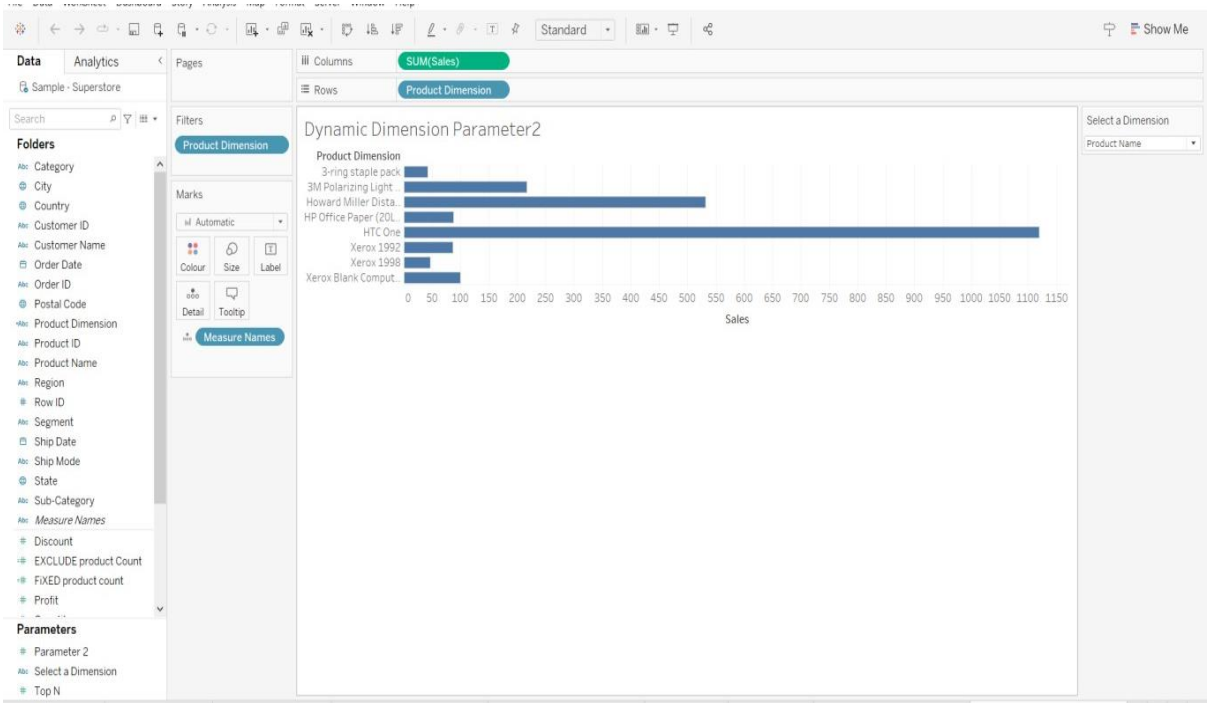
Sales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Country
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Order Date
Order ID
Postal Code
Product Dimension
Product ID
Product Name
Region
Row ID
Segment
Ship Date
Ship Mode
State
Sub-Category
Measure Names
Discount
EXCLUDE product Count
FIXED 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
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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