FILLED LOD

THIS FUNCTION ALLOWS USERS TO DEFINE A FIXED LEVEL OF DETAIL FOR A PARTICULAR CALCULATION,REGARDLESS OF THE LEVEL OF DETAIL FOR A FUNCTIONS ARE USEFUL WHEN USERS NEED TO PERFORM CALCULATIONS AT A SPECIFIC LEVEL OF DETAIL, SUCH AS THE CUSTOMERS OR PRODUCT LEVEL.

IN BELOW VISUALIZATIONS WE CAN SEE THAT DIFFERENT DATA LIKE MEASURE NAMES,AND MEASURE VALUES ARE CONSIDERED AS THE COLUMNS AND SIMILARLY THE DIFFERENT DATA LIKE CATEGORY,CITY AND SEGMENT VALUES ARE CONSIDERED AS THE ROWS .

- BAESD ON THIS VALUES WE CAN OBSERVE THAT A FIXED COLUMN (CALCULATION 1) WITH MEASURED VALUES ARE OBTAINED.

Tableau - Assignment 4

File Data Worksheet Dashboard Story Analysis Map Format Server Window Help

Standard Show Me

Data Analytics

Superstore

Search

Tables

- Category
- City
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- Order Date
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- Product ID
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- Region
- Row ID
- Segment
- Ship Date
- Ship Mode
- State
- Sub-Category
- *Measure Names*
- Discount
- exclude 1
- Fixed 1
- Profit
- Quantity

Parameters

- Dimension Parameter
- Top N

Pages

Filters

Measure Names

Marks

Automatic

Color Size Text Detail Tooltip

Measure Values

Measure Values

SUM(Fixed 1)

SUM(Sales)

Columns: Measure Names

Rows: Category City Segment

Fixed lod

Category	City	Segment	Fixed 1	Sales
Furniture	Akron	Consumer	2,297,201	149
		Corporate	2,297,201	284
	Alexandria	Corporate	2,297,201	192
		Home Office	2,297,201	75
	Allen	Consumer	2,297,201	244
	Allentown	Consumer	2,297,201	12
	Amarillo	Consumer	2,297,201	2,843
		Corporate	2,297,201	205
	Anaheim	Consumer	2,297,201	1,256
		Corporate	2,297,201	2,496
	Andover	Consumer	2,297,201	355
	Apopka	Consumer	2,297,201	130
	Apple Valley	Consumer	2,297,201	564
		Corporate	2,297,201	1,194
	Arlington	Consumer	2,297,201	2,000
		Corporate	2,297,201	1,472
		Home Office	2,297,201	171
	Arvada	Corporate	2,297,201	497
	Athens	Consumer	2,297,201	187
	Atlanta	Consumer	2,297,201	1,852
	Auburn	Consumer	2,297,201	351
		Corporate	2,297,201	520
		Home Office	2,297,201	4
	Aurora	Consumer	2,297,201	1,552
		Corporate	2,297,201	1,810
		Home Office	2,297,201	1,878
	Austin	Corporate	2,297,201	528
		Home Office	2,297,201	8
	Bakersfield	Consumer	2,297,201	848
	Baltimore	Consumer	2,297,201	1,508
		Corporate	2,297,201	1,287
		Home Office	2,297,201	1,221
	Bangor	Corporate	2,297,201	109

Data Source | Fixed lod | Exclude lod | Filled maps | Dual axis maps | Top N Parameter | Dimension parameter

3974 marks 1987 rows by 2 columns SUM of Measure Values: 4,566,835,310

Type here to search 31°C Haze ENG 18:57 10-03-2024

EXCLUDE LOD

- THESE FUNCTIONS ALLOW USERS TO EXCLUDE SPECIFIC FIELDS FROM THE CALCULATION WHILE STILL PRESERVING THE LEVEL OF DETAIL OF THE VIEW.
- EXCLUDE LOD FUNCTIONS ARE USEFUL WHEN USERS NEED TO PERFORM CALCULATIONS THAT EXCLUDE SPECIFIC FIELDS BUT STILL NEED TO PERSERVE THE LEVEL OF DETAIL IN THEIR VIEW.
- IN BELOW VISUALIZATIONS WE CAN OBSERVE THAT EXCLUDED VALUES TO GET THE DETAILED VIEW OF SALES COMPARED TO FIXED LOD WE EXCLUDED THE SEGMENTS FIELD FORM THE ROWS.
- WE USE PRODUCT NAME AND CITY IN ROWS AND MEASURED NAMES IN COLUMN.

Tableau - Assignment 4

File Data Worksheet Dashboard Story Analysis Map Format Server Window Help

Standard Show Me

Data Analytics

Superstore

Search

Tables

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- Postal Code
- Product ID
- Product Name
- Region
- Row ID
- Segment
- Ship Date
- Ship Mode
- State
- Sub-Category
- *Measure Names*
- Discount
- exclude 1
- Fixed 1
- Profit
- Quantity

Parameters

- Dimension Parameter
- Top N

Pages

Filters

Measure Names

Marks

Automatic

Color Size Text Detail Tooltip

Measure Values

Measure Values

SUM(Profit)

ATTR(exclude 1)

Columns: Measure Names

Rows: Product Name, City

Exclude lod

Product Name	City	Profit	exclude 1
1.7 Cubic Foot Compact "Cube" Office Refrigerators	Decatur	56	689
	Fayetteville	44	1,819
	Johnson City	29	12
	New York City	337	62,037
	Sioux Falls	112	343
1/4 Fold Party Design Invitations & White ..	Philadelphia	2	-13,838
	Wilmington	21	1,948
3-ring staple pack	Bossier City	3	337
	Columbus	2	5,897
	Los Angeles	6	30,441
	Marietta	3	512
	New York City	4	62,037
3.6 Cubic Foot Counter Height Office Refrigerator	Houston	-1,226	-10,154
	Irving	-153	-101
	Raleigh	94	473
	Westminster	412	764
3D Systems Cube Printer, 2nd Generat..	Lakewood	2,366	3,234
	New York City	1,352	62,037
3D Systems Cube Printer, 2nd Generat..	Greenville	-572	-549
	Renton	104	185
3M Hangers With Command Adhesive	Little Rock	9	1,155
	Norwich	9	164
	Peoria	-1	-128
	Philadelphia	1	-13,838
	Pompano Beach	6	15
	Redmond	3	-154
	Seattle	3	29,156
	Vancouver	6	75
3M Office Air Cleaner	Milwaukee	55	2,793
	Seattle	36	29,156
3M Organizer Strips	Chattanooga	-6	27
	New York City	17	62,037
	Philadelphia	-5	-13,838

Data Source | Fixed lod | Exclude lod | Filled maps | Dual axis maps | Top N Parameter | Dimension parameter

18576 marks 9288 rows by 2 columns SUM of Measure Values: 77,220,506

Type here to search 31°C Haze ENG 18:57 10-03-2024

FILLED MAP

GRAPHICALLY REPRESENTING NUMERICAL DATA WHERE THE VALUE OF EACH DATA POINT IS INDICATED USING COLORS.

- IN THIS FILLED MAP LONGITUDE VALUE IS TAKEN IN COLUMN FIELD AND LATITUDE VALUE IS TAKEN IN ROW FIELD THEN WE GET RESULTANT FILLED MAP.
- HERE WE CAN OBSERVE THAT THE SALES VALUES ARE REPRESENTED WITH DIFFERENT SHADES OF COLOURS RESPECTED TO DIFFERENT AREAS.

Tableau - Assignment 4

File Data Worksheet Dashboard Story Analysis Map Format Server Window Help

Show Me

Data Analytics

Superstore

Search

Tables

- Abc Category
- City
- Country
- Abc Customer ID
- Abc Customer Name
- Abc Dimension Value
- 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
- exclude 1
- Fixed 1
- # Profit
- # Quantity

Parameters

- Abc Dimension Parameter
- # Top N

Pages

Filters

Marks

Map

Color Size Label

Detail Tooltip

State

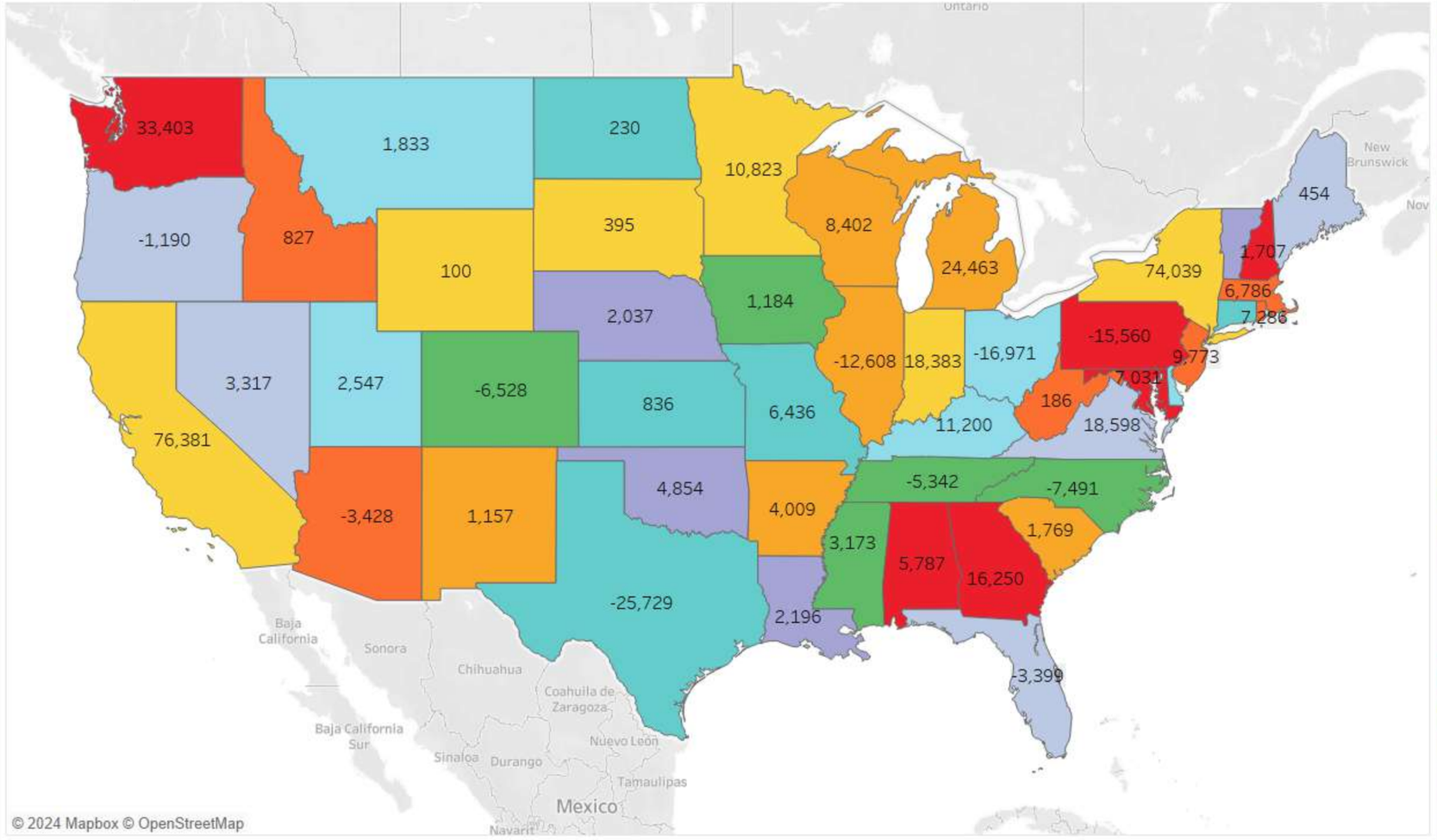
Region

SUM(Profit)

Columns: Longitude (generate..

Rows: Latitude (generated)

Filled maps



State

- Alabama
- Arizona
- Arkansas
- California
- Colorado
- Connecticut
- Delaware
- District of Columbia
- Florida
- Georgia
- Idaho
- Illinois
- Indiana
- Iowa
- Kansas
- Kentucky
- Louisiana
- Maine
- Maryland
- Massachusetts
- Michigan
- Minnesota
- Mississippi
- Missouri
- Montana
- Nebraska
- Nevada
- New Hampshire
- New Jersey
- New Mexico
- New York
- North Carolina
- North Dakota
- Ohio
- Oklahoma

Data Source | Fixed lod | Exclude lod | **Filled maps** | Dual axis maps | Top N Parameter | Dimension parameter

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

Type here to search

31°C Haze ENG 18:57 10-03-2024

DUAL AXIS

- DUAL AXIS MAP IS A MAP WITH TWO SETS OF GEOGRAPHICAL DATA OVERLAID ON TOP OF ONE ANOTHER.
- TO CREATE DUAL AXIS MAP WE USE LONGITUDE I COLUMN AND LATITUDE IN ROW AS WELL AS MULTIPLE FIELDS IN COLORS, STATE FIELD AND COUNTRY IN DETAIL THEN WE GET THE RESULTANT DUAL AXIS MAP.

Tableau - Assignment 4

File Data Worksheet Dashboard Story Analysis Map Format Server Window Help

Show Me

Data Analytics

Superstore

Search

Tables

- Abc Category
- City
- Country
- Abc Customer ID
- Abc Customer Name
- Abc Dimension Value
- 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
- exclude 1
- Fixed 1
- Profit
- Quantity

Parameters

- Abc Dimension Parameter
- Top N

Pages

Filters

Marks

All

Multiple

Color Size Label

Detail Tooltip

State

Multiple fields

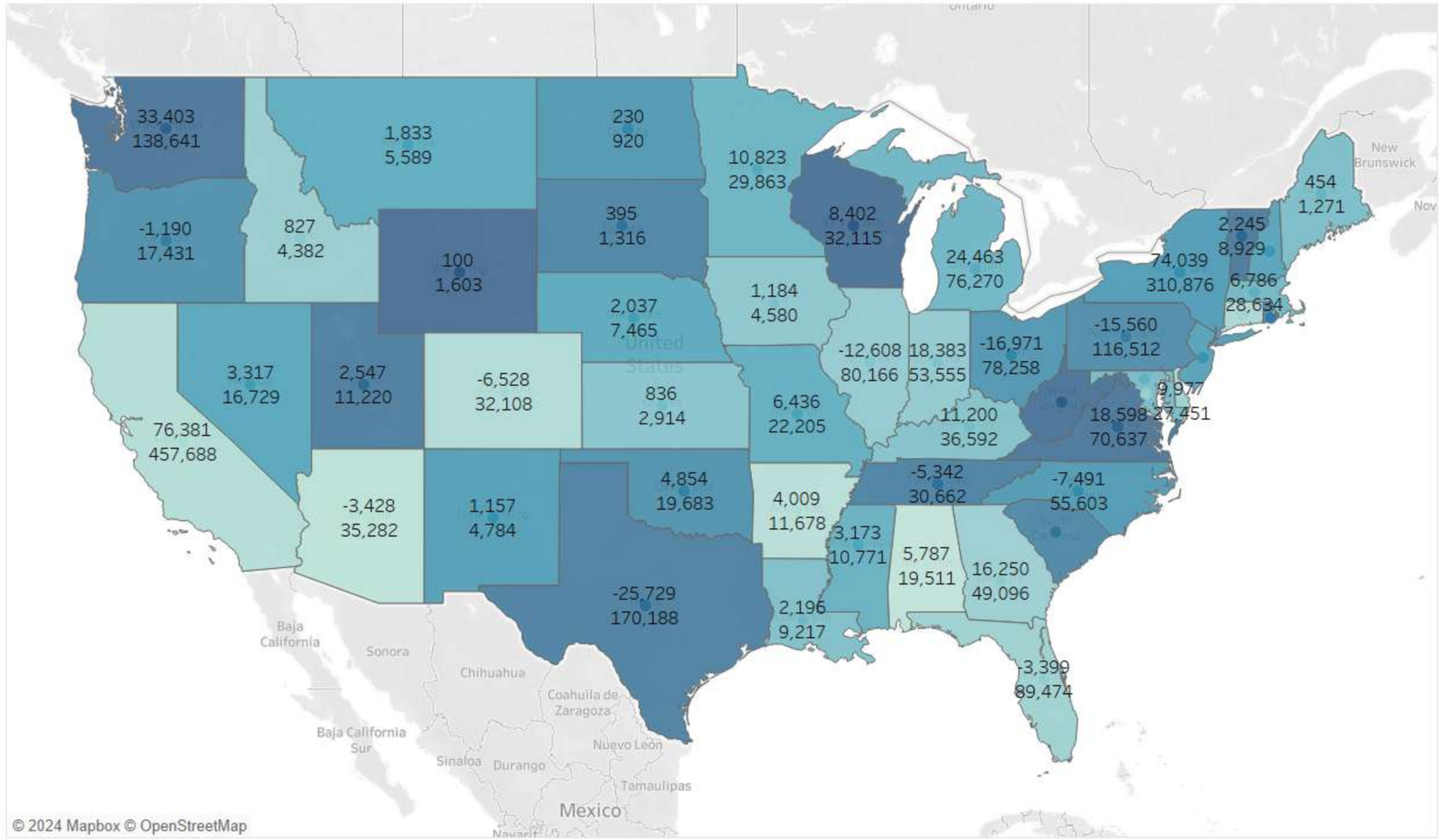
Latitude (gener...

Latitude (gener...

Columns: Longitude (generate..

Rows: Latitude (generated) Latitude (generated)

Dual axis maps



State

- Alabama
- Arizona
- Arkansas
- California
- Colorado
- Connecticut
- Delaware
- District of Columbia
- Florida
- Georgia
- Idaho
- Illinois
- Indiana
- Iowa
- Kansas
- Kentucky
- Louisiana
- Maine
- Maryland
- Massachusetts
- Michigan
- Minnesota
- Mississippi
- Missouri
- Montana
- Nebraska
- Nevada
- New Hampshire
- New Jersey
- New Mexico
- New York
- North Carolina
- North Dakota
- Ohio
- Oklahoma

Data Source | Fixed lod | Exclude lod | Filled maps | **Dual axis maps** | Top N Parameter | Dimension parameter

98 marks 1 row by 1 column SUM(Profit): 286.397

Type here to search

31°C Haze ENG 18:59 10-03-2024

TOP N PARAMETER

- A TOP N PARAMETER RETURNS DATA ACCORDING TO A NUMBER YOU ASSIGN IT,HENCE THE N IN THE NAME.
- IN BELOW VISUALIZATIONS WE CAN OBSERVE THAT THE TOP N PARAMETER DISPLAY THE TOP 100 SUB CATEGORY VALUES ACCORDING TO THEIR SALES.
- WE USED SUM OF SALES IN COLUMN FIELD AND SUB CATEGORY IN ROWS FIELD THAT WE GOT THE RESULTANT VISUALIZATIONS SHOWING TOP 10 SUB CATEGORY VAUES IN A DESCENDING ORDER.

Tableau - Assignment 4

File Data Worksheet Dashboard Story Analysis Map Format Server Window Help

Standard Show Me

Data Analytics

Superstore

Search

Tables

- Category
- City
- Country
- Customer ID
- Customer Name
- Dimension Value
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- Order ID
- Postal Code
- Product ID
- Product Name
- Region
- Row ID
- Segment
- Ship Date
- Ship Mode
- State
- Sub-Category
- *Measure Names*
- Discount
- exclude 1
- Fixed 1
- Profit
- Quantity

Parameters

- Dimension Parameter
- Top N

Pages

Filters

Marks

Automatic

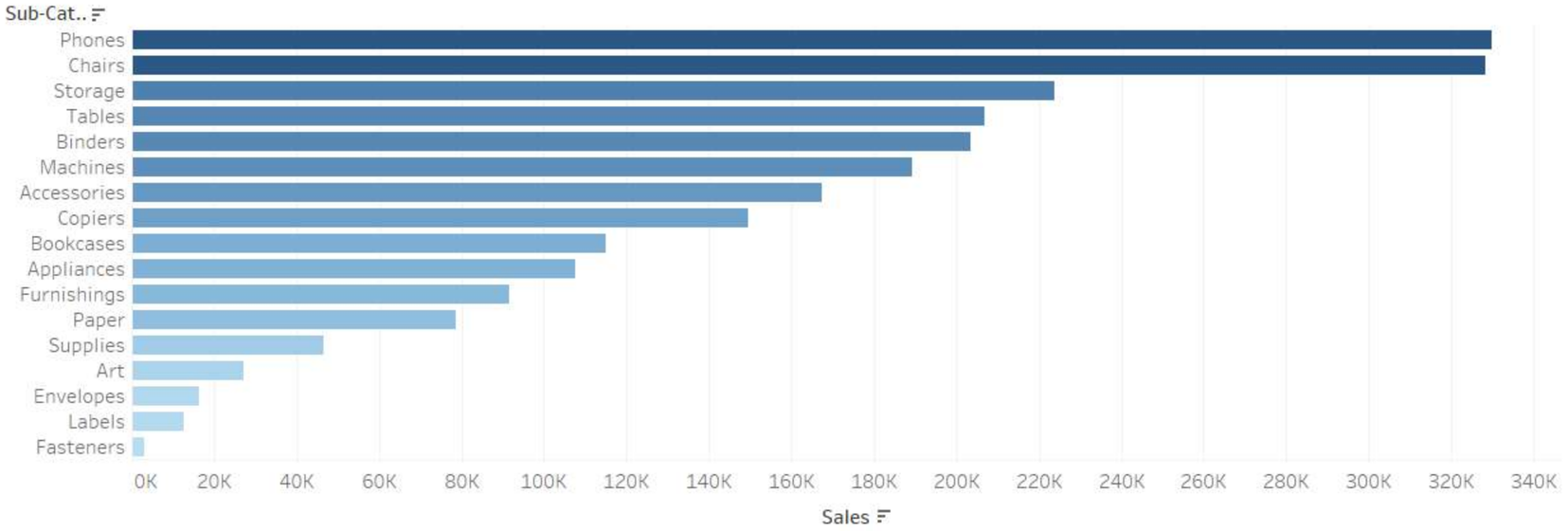
Color Size Label Detail Tooltip

SUM(Sales)

Columns: SUM(Sales)

Rows: Sub-Category

Top N Parameter



SUM(Sales)

3,024 330,007

Top N

13

Data Source | Fixed lod | Exclude lod | Filled maps | Dual axis maps | Top N Parameter | Dimension parameter

17 marks 17 rows by 1 column SUM(Sales): 2,297,201

Type here to search 31°C Haze ENG 18:59 10-03-2024

DIMENSIONAL PARAMETER

- DIMENSIONS CONTAINS QUALTATIVE VALUES (SUCH AS NAMES,DATES OR GEOGRAPHICAL DATA)
- WE CAN USE DIMENSIONS TO CATEGORIZE, SEGMENT, AND REVEAL THE DETAILS IN YOUR DATA.
- DIMENSIONS AFFECT THE LEVEL OF DETAIL IN THE VIEW.
- IN BELOW VISUALIZATIO WE USE SUM OF SALES IN COLUMN FIELD AND DIMENSION VALUE(CALCULATION) IN ROW FIELD GIVES THE RESULTANT VISUALIZATIONS SHOWS THE SALES OF CATEGORICAL VALUES BY PERFORMED CALCULATION.

Tableau - Assignment 4

File Data Worksheet Dashboard Story Analysis Map Format Server Window Help

Standard Show Me

Data Analytics

Superstore

Search

Tables

- Category
- City
- Country
- Customer ID
- Customer Name
- Dimension Value
- Order Date
- Order ID
- Postal Code
- Product ID
- Product Name
- Region
- Row ID
- Segment
- Ship Date
- Ship Mode
- State
- Sub-Category
- *Measure Names*
- Discount
- exclude 1
- Fixed 1
- Profit
- Quantity

Parameters

- Dimension Parameter
- Top N

Pages

Filters

Marks

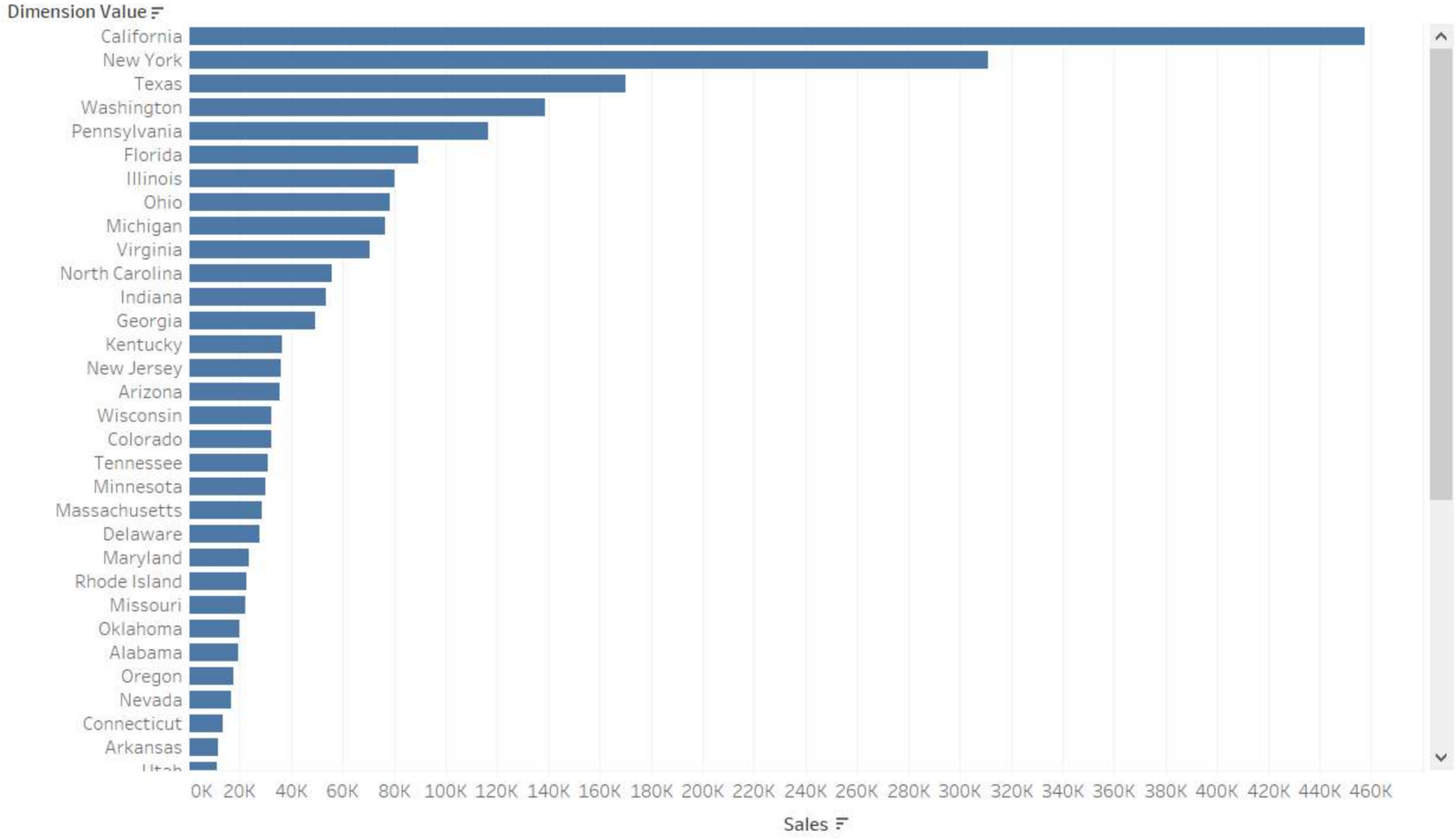
Automatic

Color Size Label Detail Tooltip

Columns: SUM(Sales)

Rows: Dimension Value

Dimension parameter



Dimension Parameter

- (•) State
- ( ) Product Name
- ( ) Consumer Name

Data Source | Fixed lod | Exclude lod | Filled maps | Dual axis maps | Top N Parameter | Dimension parameter

49 marks 49 rows by 1 column SUM(Sales): 2,297,201

Type here to search 31°C Haze ENG 18:59 10-03-2024