SMART BRIDGE DATA ANALYTICS

DIGITAL ASSIGNMENT-2

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Tasks:

1) Create any 7 data visualizations/charts and perform the following

2) Apply dimension filter, context and measure filter on any of the three visualizations

3) Perform the following data manipulations on your dataset

- create a Hierarchy
- create a set
- create a group

1) Create any 7 data visualizations/charts and perform the following

Bar graph on Sub category-sales data:

Stacked bar graph on Postal code vs quality data:

Packed bubble City vs sales data:

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Tree map graph on Quantity vs Order Date data:

Horizontal maps on state-quantity data:

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Heat maps on sub category vs discount data:

Circle views on Quantity vs Profit data:

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2) Apply dimension filter, context and measure filter on any of the three Visualizations

DIEMENSION FILTER ON BAR GRAPH OF SUB CATEGORY VS SALES:

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CONTEXT FILTER ON HORIZONTAL BAR GRAPH:

Tableau - Book1
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Columns SUM(Discount)
Rows Product ID
PRODUCT ID VS DISCOUNT
Product ID
Discount
Sheet 4
127 marks 127 rows by 1 column SUM(Discount): 20.2500

Tableau - Book1
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Columns SUM(Discount)
Rows Product ID
PRODUCT ID VS DISCOUNT
Product ID
Discount
Sheet 4
124 marks 124 rows by 1 column SUM(Discount): 19.7500

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MEASURE FILTER ON SUBCATEGORY VS DISCOUNT:

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3) Perform the following data manipulations on your dataset

- **create a Hierarchy**
- **create a set**
- **create a group**

Create hierarchy:

I have created a location hierarchy and it consists of country, state,city and postal code as shown below and displayed the bar graph of quantity based on location hierarchy:

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Tableau - Book1
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Standard
Show Me
Data
Analytics
sample_superstore (new...
winequality-red (oly)
Pages
Filters
Marks
Automatic
Color
Size
Label
Detail
Tooltip
Columns
Country
State
Rows
SUM(Sales)
SUB-CATEGORY VS SALES
Country / State
United States
Sales
5K
4K
3K
2K
1K
0K
Alabama
Arizona
California
Colorado
Delaware
Florida
Illinois
Indiana
Iowa
Kentucky
Michigan
Minnesota
Nebraska
New York
North Carolina
Ohio
Oregon
Pennsylvania
South Carolina
Tennessee
Texas
Utah
Virginia
Washington
Wisconsin
Folders
Category
Country, State
Country
State
Postal Code
City
Customer ID
Customer Name
Discount (group)
Order Date
Order ID
Product ID
Product Name
Product Name (group)
Product_Name
Product_Name Set
Region
Row ID
Segment
Data Source
Sheet 1
Sheet 2
Sheet 3
Sheet 4
Sheet 5
Sheet 6
25 marks 1 row by 25 columns SUM(Sales): 26,457
37°C
Partly sunny
Search
ENG
IN
15:30
28-05-2023

Tableau - Book1
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Standard
Show Me
Data
Analytics
sample_superstore (new...
winequality-red (oly)
Pages
Filters
Marks
Automatic
Color
Size
Label
Detail
Tooltip
Columns
Country
State
Postal Code
Rows
SUM(Sales)
SUB-CATEGORY VS SALES
Country / State / Postal Code
United States
Sales
3K
2K
1K
0K
Al..
Arizo..
California
C..
Dela..
Flori..
Illinois
In..
Io..
K..
Michi..
Minnesota
N..
New York
North Carolina
O..
O..
P..
35601
85023
85234
90004
90032
90036
90049
94109
94122
95661
80013
19805
19901
32935
33311
60462
60540
60610
60623
61701
47150
50322
42420
48185
49201
55106
55122
55407
55901
68025
10009
10024
10035
12180
27707
28027
28205
43229
97206
19140
Folders
Category
Country, State
Country
State
Postal Code
City
Customer ID
Customer Name
Discount (group)
Order Date
Order ID
Product ID
Product Name
Product Name (group)
Product_Name
Product_Name Set
Region
Row ID
Segment
Data Source
Sheet 1
Sheet 2
Sheet 3
Sheet 4
Sheet 5
Sheet 6
53 marks 1 row by 53 columns SUM(Sales): 26,457
37°C
Partly sunny
Search
ENG
IN
15:30
28-05-2023

Create a set:

I have created a set of IN/OUT of product_name_set as shown below:

Tableau - Book1
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Create Set
Name: Product_Name Set
General Condition Top
Select from list Custom value list Use all
Enter search text
#10-4 1/8" x 9 1/2"" Premium Diagonal Seam Envelopes"
1.7 Cubic Foot Compact "Cube"" Office Refrigerators"
9-3/4 Diameter Round Wall Clock
Acco PRESSTEX Data Binder with Storage Hooks, Dark Blue, 14 7/8" X ...
Acco Six-Outlet Power Strip, 4' Cord Length
Advantus 10-Drawer Portable Organizer, Chrome Metal Frame, Smoke ...
Advantus Push Pins
Anker 36W 4-Port USB Wall Charger Travel Power Adapter for iPhone 5...
Array Parchment Paper, Assorted Colors
Artistic Insta-Plaque
AT&T CL83451 4-Handset Telephone
All None Exclude
Summary
Field: [Product_Name]
Selection: Selected 0 of 132 values
Wildcard: All
Condition: None
Limit: Top 10 by SUM([Sales])
Reset OK Cancel
Data Analytics
sample_superstore (new...
winequality-red (oly)
Folders
Customer Name
Order Date
Order ID
Postal Code
Product ID
Product Name
Product Name (group)
Product_Name
Region
Row ID
Segment
Ship Date
Ship Mode
Sub-Category
Measure Names
Discount
Profit
Quantity
Sales
Pages
Filters
SUM(Sales)
Marks
Automatic
Color Size Label
Detail Tooltip
Sales
Data Guide
Sheet 1
Viz Details
Viz description
Applied Filters
Data Summary
Detected Outli
Show Me
For horizontal bars try
0 or more Dimensions
1 or more Measures
Data Source Sheet 1 Sheet 2 Sheet 3 Sheet 4 Sheet 5 Sheet 6
68 marks 1 row by 68 columns SUM(Sales): 24,940
37°C Partly sunny
Search
ENG IN
15:16 28-05-2023

Tableau - Book1
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Create Set
Name: Product_Name Set
General Condition Top
None
By field:
Top 10 by
Sales Sum
By formula:
Top 10 by
Reset OK Cancel
Data Analytics
sample_superstore (new...
winequality-red (oly)
Folders
Customer Name
Order Date
Order ID
Postal Code
Product ID
Product Name
Product Name (group)
Product_Name
Region
Row ID
Segment
Ship Date
Ship Mode
Sub-Category
Measure Names
Discount
Profit
Quantity
Sales
Pages
Filters
SUM(Sales)
Marks
Automatic
Color Size Label
Detail Tooltip
Sales
Data Guide
Sheet 1
Viz Details
Viz description
Applied Filters
Data Summary
Detected Outli
Show Me
For horizontal bars try
0 or more Dimensions
1 or more Measures
Data Source Sheet 1 Sheet 2 Sheet 3 Sheet 4 Sheet 5 Sheet 6
68 marks 1 row by 68 columns SUM(Sales): 24,940
37°C Partly sunny
Search
ENG IN
15:16 28-05-2023

Create a group:

I have created a group of 6 sub categories as shown below

Tableau - Book1
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Standard
Show Me
Data
Analytics
sample_superstore (new...
winequality-red (oly)
Search
Folders
Product Name (group)
Product_Name
Product_Name Set
Region
Row ID
Segment
Ship Date
Ship Mode
Sub-Category
Sub-Category (group)
Measure Names
Discount
Profit
Quantity
Sales
Latitude (generated)
Longitude (generated)
sample_superstore (C...
Measure Values
Pages
Filters
Marks
Automatic
Color
Size
Label
Detail
Tooltip
Columns
Sub-Category
Rows
Create Group [Sub-Category]
Field Name: Sub-Category (group) 1
Groups:
Add to:
Accessories
Appliances
Art
Binders
Bookcases
Chairs
Envelopes
Fasteners
Furnishings
Labels
Paper
Phones
Storage
Supplies
Group
Rename
Ungroup
Show Add Location
Include 'Other'
Find >>
Reset
OK
Cancel
Apply
RY VS SALES
Sales
5K
4K
3K
2K
1K
0K
Paper
Phones
Storage
Supplies
Tables
Data Source
Sheet 1
Sheet 2
Sheet 3
Sheet 4
Sheet 5
Sheet 6
15 marks
1 row by 15 columns
SUM(Sales): 26,457
37°C
Partly sunny
Search
ENG
IN
15:24
28-05-2023

Tableau - Book1
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Standard
Show Me
Data
Analytics
sample_superstore (new...
winequality-red (oly)
Search
Folders
Product Name (group)
Product_Name
Product_Name Set
Region
Row ID
Segment
Ship Date
Ship Mode
Sub-Category
Sub-Category (group)
Measure Names
Discount
Profit
Quantity
Sales
Latitude (generated)
Longitude (generated)
sample_superstore (C...
Measure Values
Pages
Filters
Marks
Automatic
Color
Size
Label
Detail
Tooltip
Columns
Sub-Category
Rows
Create Group [Sub-Category]
Field Name: Sub-Category (group) 1
Groups:
Add to:
TOP 6
Accessories
Appliances
Art
Binders
Bookcases
Chairs
Envelopes
Fasteners
Furnishings
Labels
Group
Rename
Ungroup
Show Add Location
Include 'Other'
Find >>
Reset
OK
Cancel
Apply
RY VS SALES
Sales
5K
4K
3K
2K
1K
0K
Paper
Phones
Storage
Supplies
Tables
Data Source
Sheet 1
Sheet 2
Sheet 3
Sheet 4
Sheet 5
Sheet 6
15 marks
1 row by 15 columns
SUM(Sales): 26,457
37°C
Partly sunny
Search
ENG
IN
15:24
28-05-2023

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