

KANCHARLA NAVEEN KUMAR 20BPS1137

Assignment-2

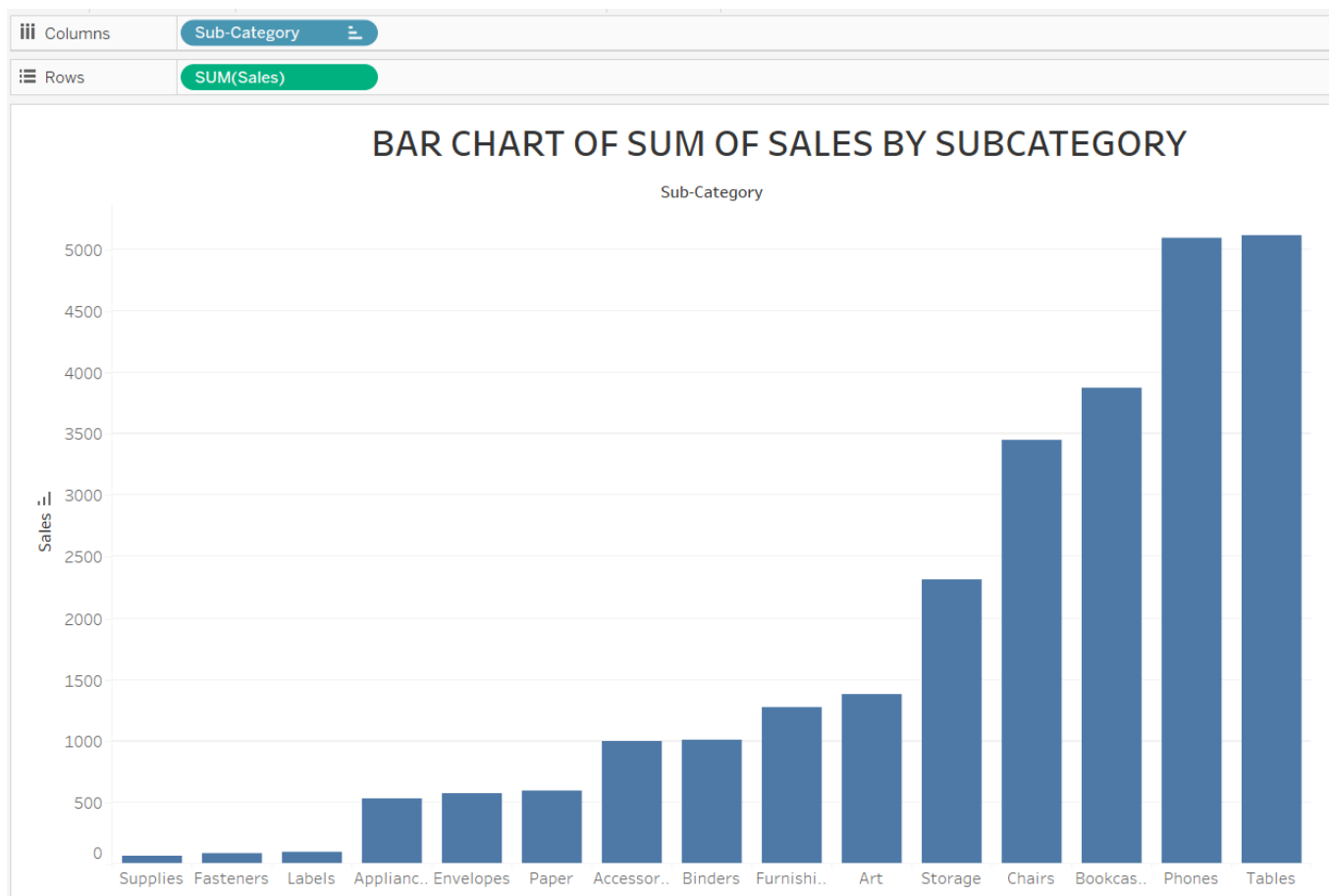
- 1) Create any 7 data visualizations/charts and perform the following
- 2) Apply dimension filter, context and measure filter on any of the three visualizations
- 3) Perform the following data manipulations on your dataset
 - create a Hierarchy
 - create a set
 - create a group

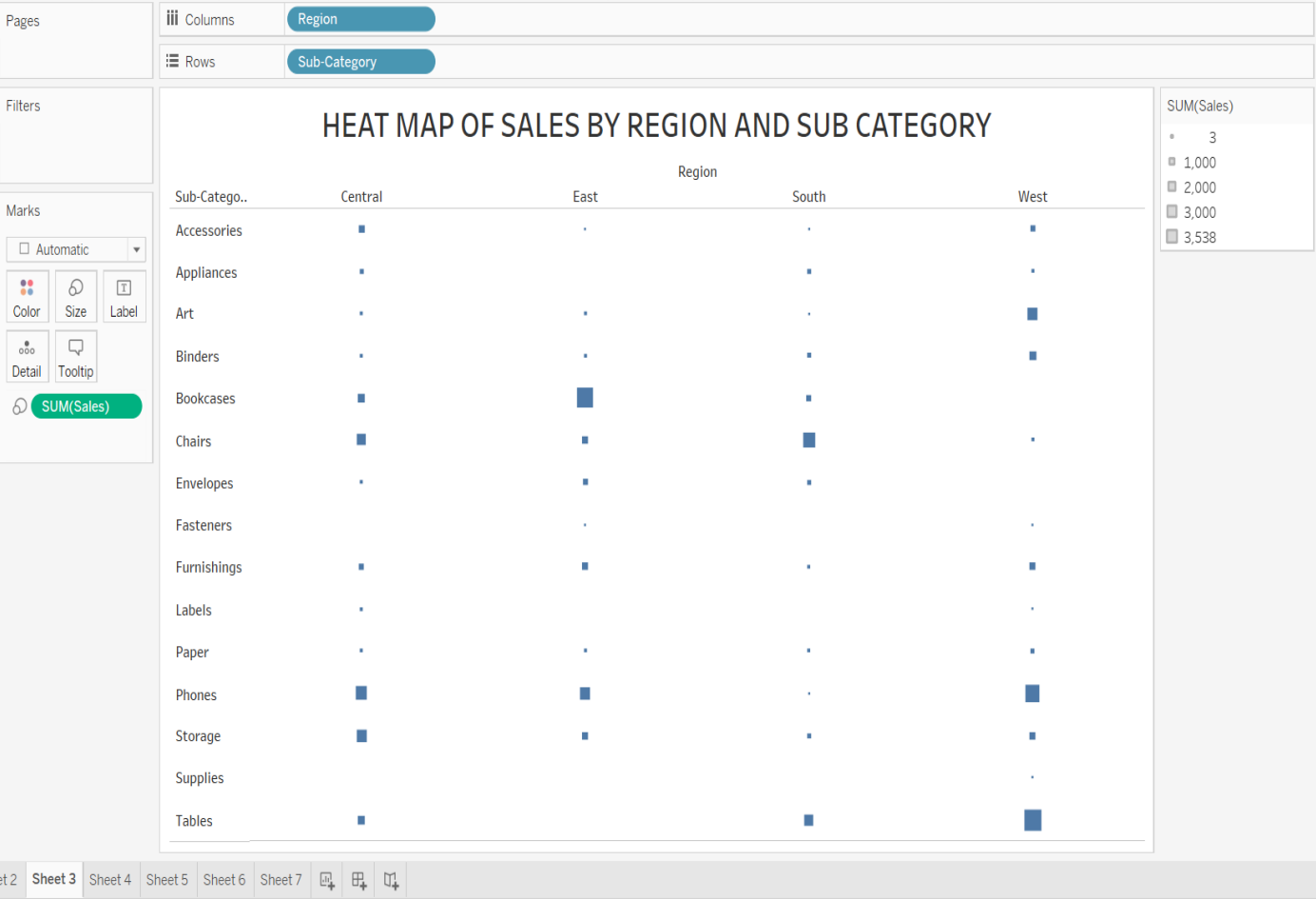
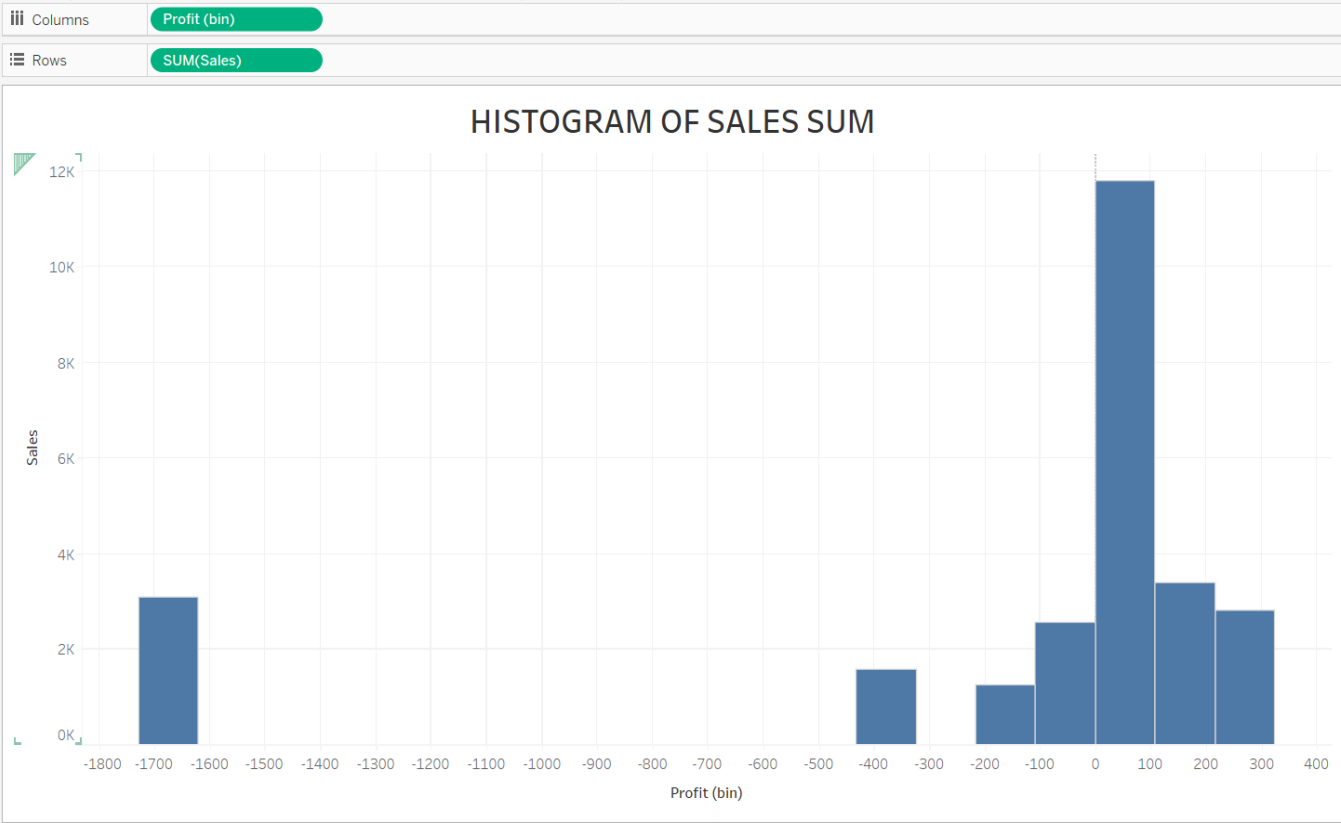
Note : Use 'superstore-sales' dataset

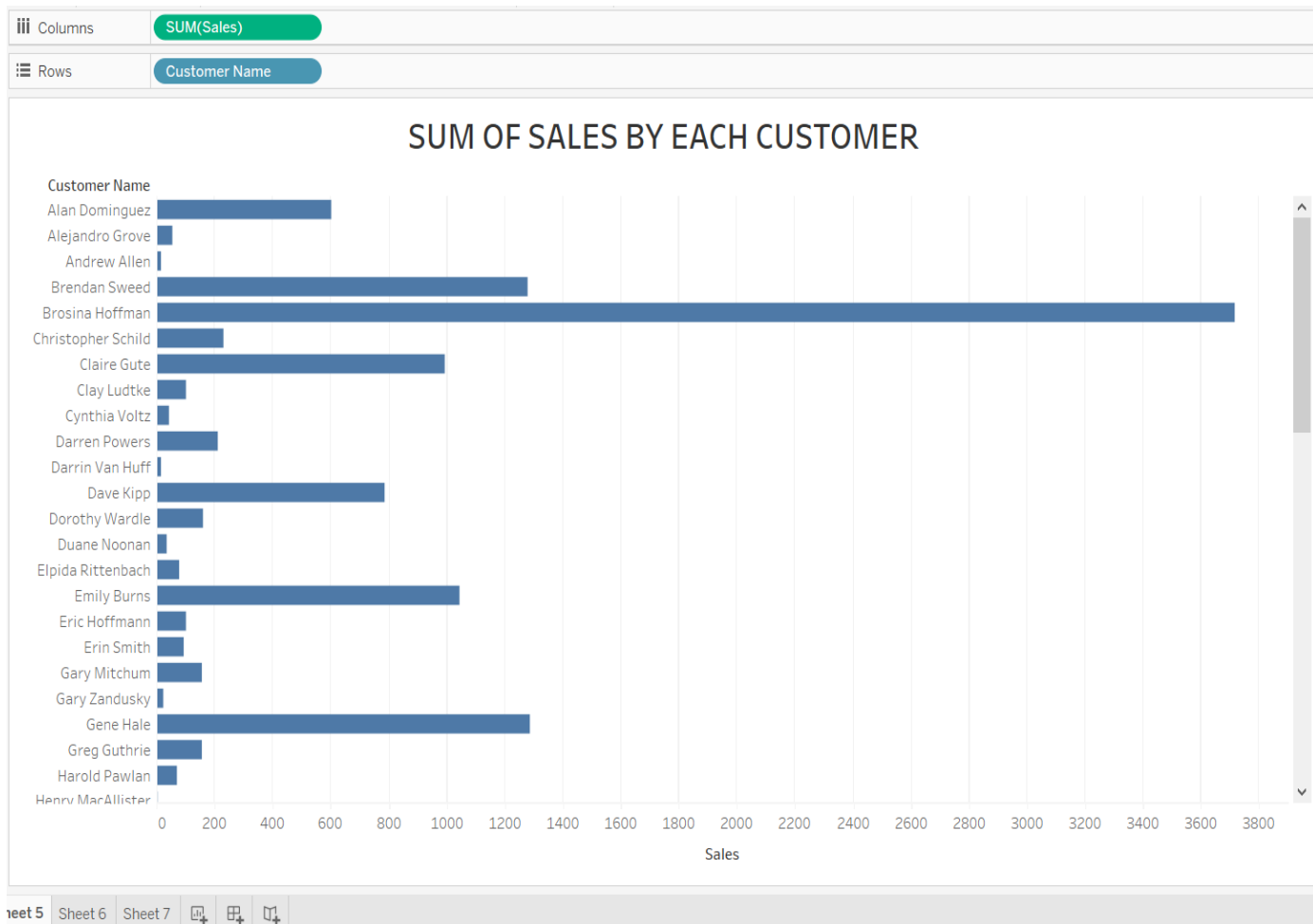
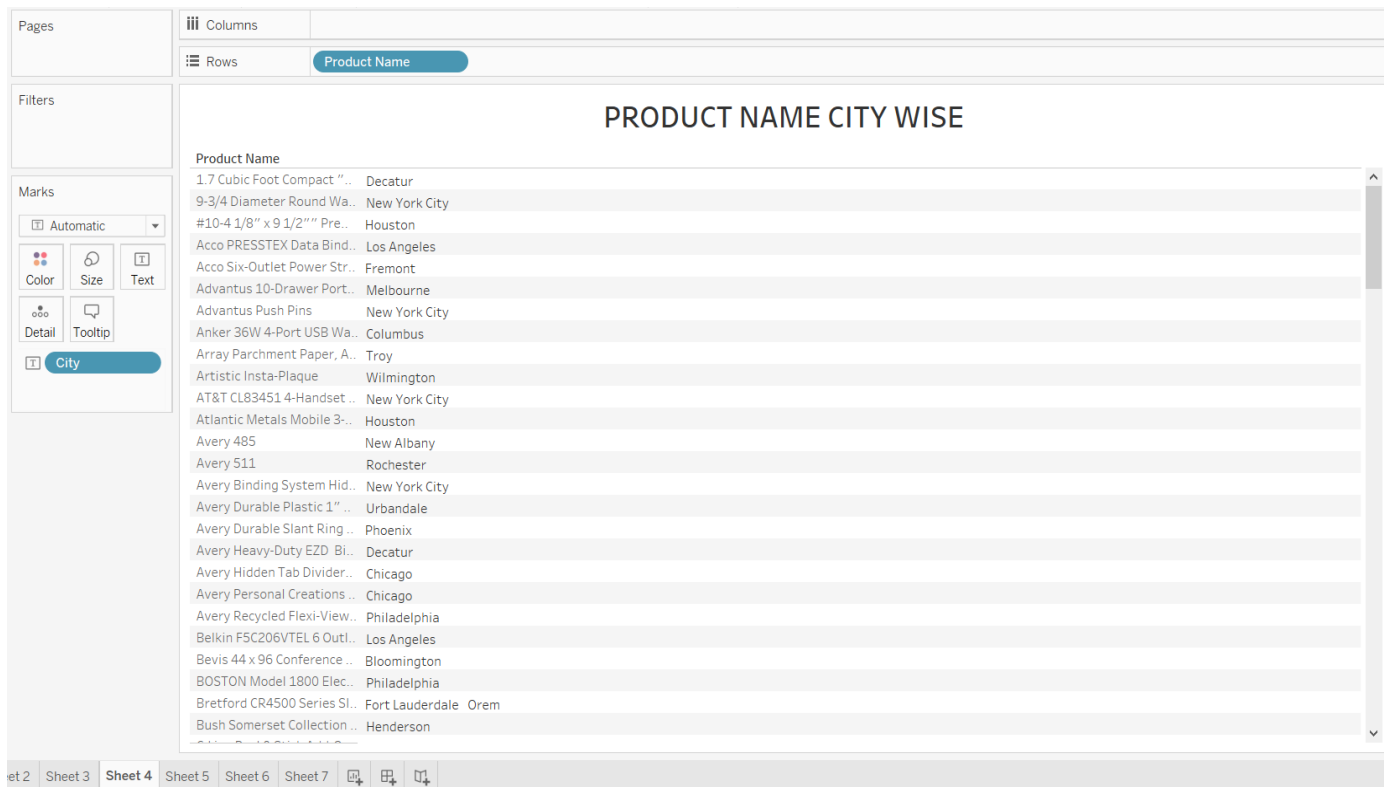
Google drive link:

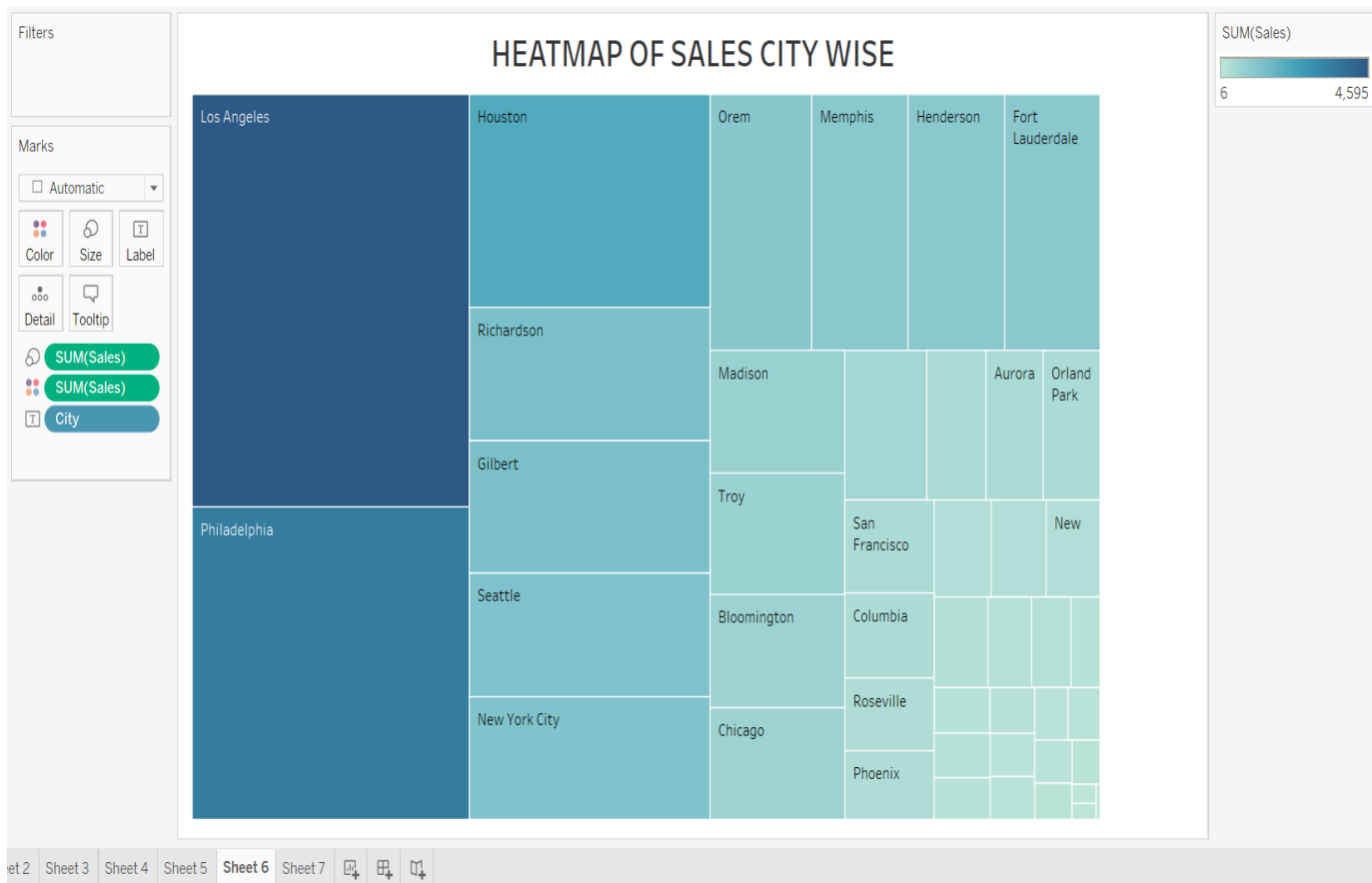
https://drive.google.com/drive/folders/1OXCPgLDa8z0KV6kDtQ6BGmZ90szOYFLN?usp=share_link

1.









PAGES

Columns

Rows

Customer Name

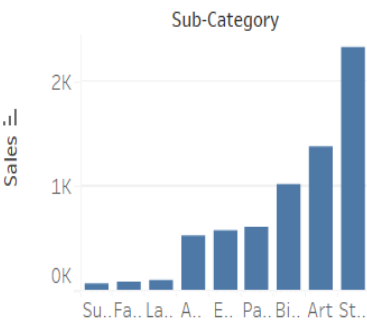
CUSTOMER NAME STATE WISE

Customer Name	State
Alan Dominguez	Texas
Alejandro Grove	Utah
Andrew Allen	North Carolina
Brendan Sweed	Arizona
Brosina Hoffman	California
Christopher Schild	Illinois
Claire Gute	Kentucky
Clay Ludtke	Iowa
Cynthia Voltz	New York
Darren Powers	Indiana
Darrin Van Huff	California
Dave Kipp	Washington
Dorothy Wardle	Ohio
Duane Noonan	California
Elpida Rittenbach	Minnesota
Emily Burns	Utah
Eric Hoffmann	California
Erin Smith	Florida
Gary Mitchum	Texas
Gary Zandusky	Minnesota
Gene Hale	Texas
Greg Guthrie	Tennessee
Harold Pawlan	Texas
Henry MacAllister	New York
Irene Maddox	Washington
Janet Martin	North Carolina

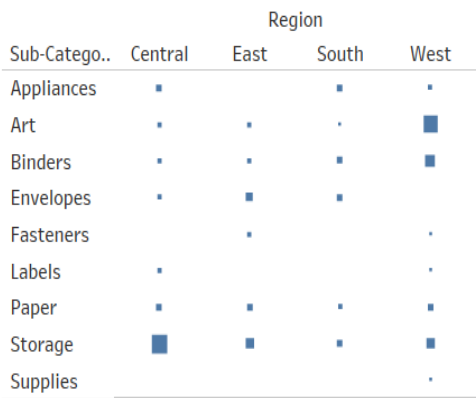
Sheet 2 Sheet 3 Sheet 4 Sheet 5 Sheet 6 Sheet 7

Visualizations Dashboard:

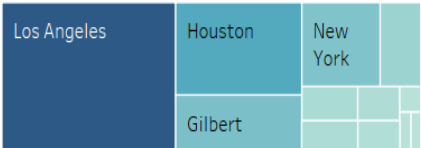
BAR CHART OF SUM OF SALES BY SUBCATEGORY



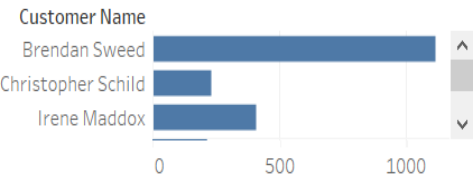
HEAT MAP OF SALES BY REGION AND SUB CATEGORY



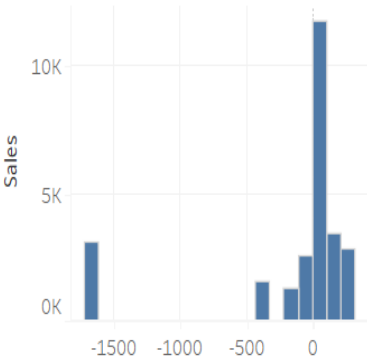
HEATMAP OF SALES CITY WISE



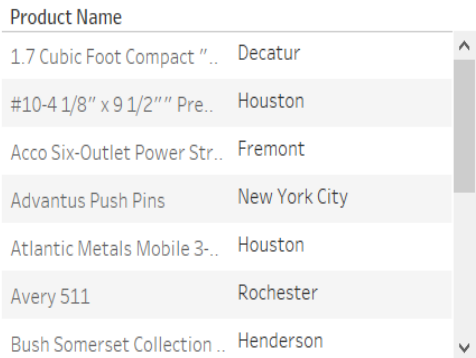
SUM OF SALES BY EACH CUSTOMER



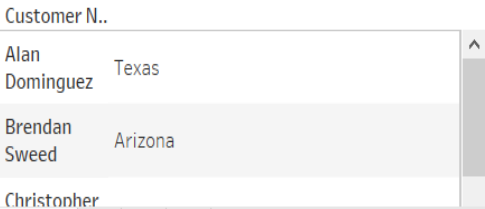
HISTOGRAM OF SALES SUM



PRODUCT NAME CITY WISE



CUSTOMER NAME STATE WISE



2. Dimensional filter:

(I).

Filter [Customer Name]

General Wildcard Condition Top

☒ Select from list ☐ Custom value list ☐ Use all

Enter search text

- ☒ Alan Dominguez
- ☐ Alejandro Grove
- ☐ Andrew Allen
- ☒ Brendan Sweed
- ☐ Brosina Hoffman
- ☒ Christopher Schild
- ☐ Claire Gute
- ☐ Clay Ludtke
- ☐ Cynthia Voltz
- ☒ Darren Powers
- ☐ Darrin Van Huff

All None ☐ Exclude

Summary

Field: [Customer Name]
Selection: Selected 12 of 64 values
Wildcard: All
Condition: None
Limit: None

Reset OK Cancel Apply

Pages	Columns	
Filters	Rows	Customer Name
Marks		
Automatic		
Color		
Size		
Text		
Detail		
Tooltip		
State		

CUSTOMER NAME STATE WISE

Customer N..	
Alan Dominguez	Texas
Brendan Sweed	Arizona
Christopher Schild	Illinois
Darren Powers	Indiana
Emily Burns	Utah
Gary Mitchum	Texas
Henry MacAllister	New York
Irene Maddox	Washington
Janet Martin	North Carolina
Jonathan Doherty	Pennsylvania
Katherine Ducich	California
Linda Cazamias	Illinois

Sheet 2 Sheet 3 Sheet 4 Sheet 5 Sheet 6 Sheet 7

(II).

Filter [Product Name]

General

Wildcard


Condition

Top

☒ Select from list

☐ Custom value list

☐ Use all



Enter search text

☒ 1.7 Cubic Foot Compact "Cube"" Office Refrigerators

☐ 9-3/4 Diameter Round Wall Clock

☒ #10-4 1/8" x 9 1/2"" Premium Diagonal Seam Envelopes"

☐ 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 17 of 132 values

Wildcard: All

Condition: None

Limit: None

Reset

OK

Cancel

Apply

Pages

Columns

Rows

Product Name

Filters

Product Name

Marks

Automatic

Color

Size

Text

Detail

Tooltip

City

PRODUCT NAME CITY WISE

Product Name	
1.7 Cubic Foot Compact "... Decatur	
#10-4 1/8" x 9 1/2" Pre... Houston	
Acco Six-Outlet Power Str... Fremont	
Advantus Push Pins New York City	
Atlantic Metals Mobile 3-... Houston	
Avery 511 Rochester	
Bush Somerset Collection ... Henderson	
Deflect-o DuraMat Lighwe... Aurora	
DXL Angle-View Binders w... Los Angeles Wilmington	
Electrix Architect's Clamp... Richardson	
Flexible Leather- Look Cla... Portland	
GE 30524EE4 Richardson	
Hon Deluxe Fabric Uphols... Henderson	
Ideal Clamps Roseville	
Jet-Pak Recycled Peel 'N' ... Durham	
Konftel 250 ConferenceÂ ... Los Angeles	
LogitechÂ LS21 Speaker S... Rochester	

et 2

Sheet 3

Sheet 4

Sheet 5

Sheet 6

Sheet 7

(III).

Filter [City] X

General Wildcard Condition Top

☒ Select from list ☐ Custom value list ☐ Use all

Enter search text

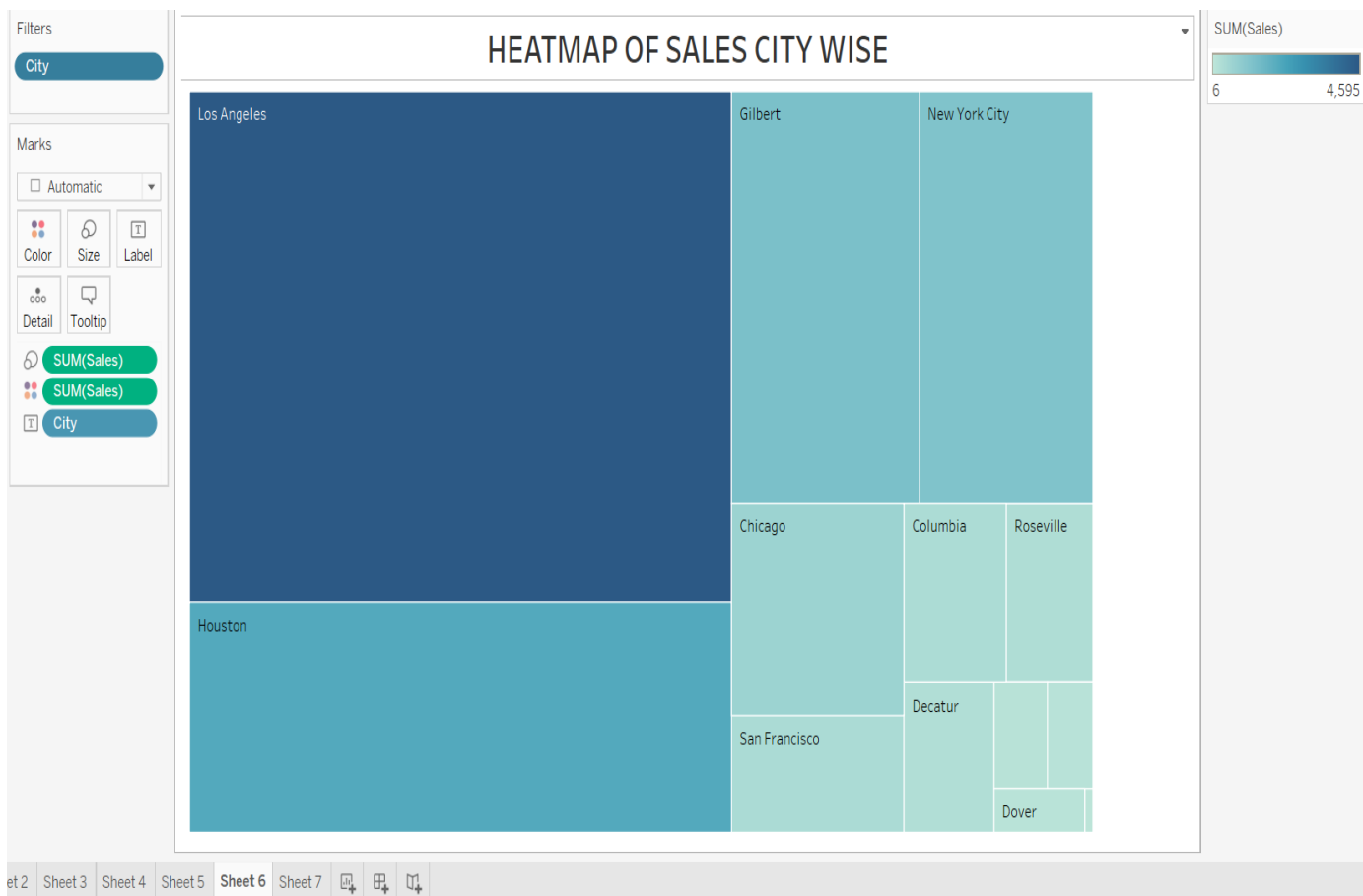
- ☐ Aurora
- ☐ Bloomington
- ☐ Bristol
- ☐ Charlotte
- ☒ Chicago
- ☒ Columbia
- ☐ Columbus
- ☐ Concord
- ☒ Decatur
- ☒ Dover
- ☐ Durham

All None ☐ Exclude

Summary

Field: [City]
Selection: Selected 13 of 44 values
Wildcard: All
Condition: None
Limit: None

Reset OK Cancel Apply



Measure filter:

(I).





Filter Field [Sales] ×

How do you want to filter on [Sales]?

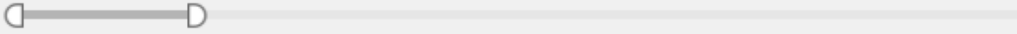
- # **All values**
- # Sum
- # Average
- # Count
- # Count (Distinct)
- # Minimum
- # Maximum
- # Standard deviation
- # Standard deviation (Population)
- # Variance
- # Variance (Population)
- # Attribute

Next > Cancel

Filter [Sales] ×

 Range of values  At least  At most  Special

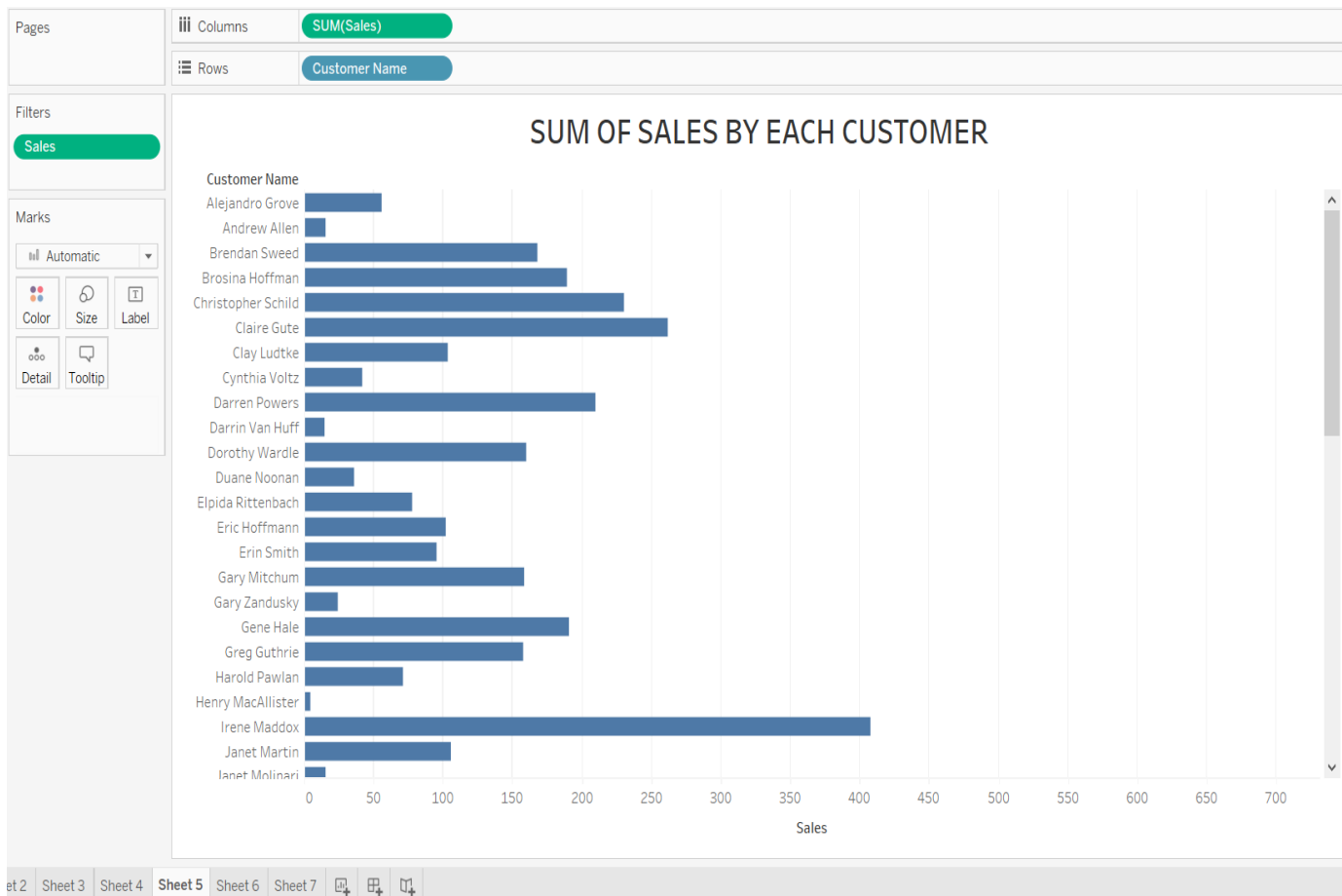
Range of values



0 3083.43

Show: Only Relevant Values ▼ ☐ Include Null Values

Reset OK Cancel Apply



(II).

Filter [Sales] X

Range of values At least At most Special

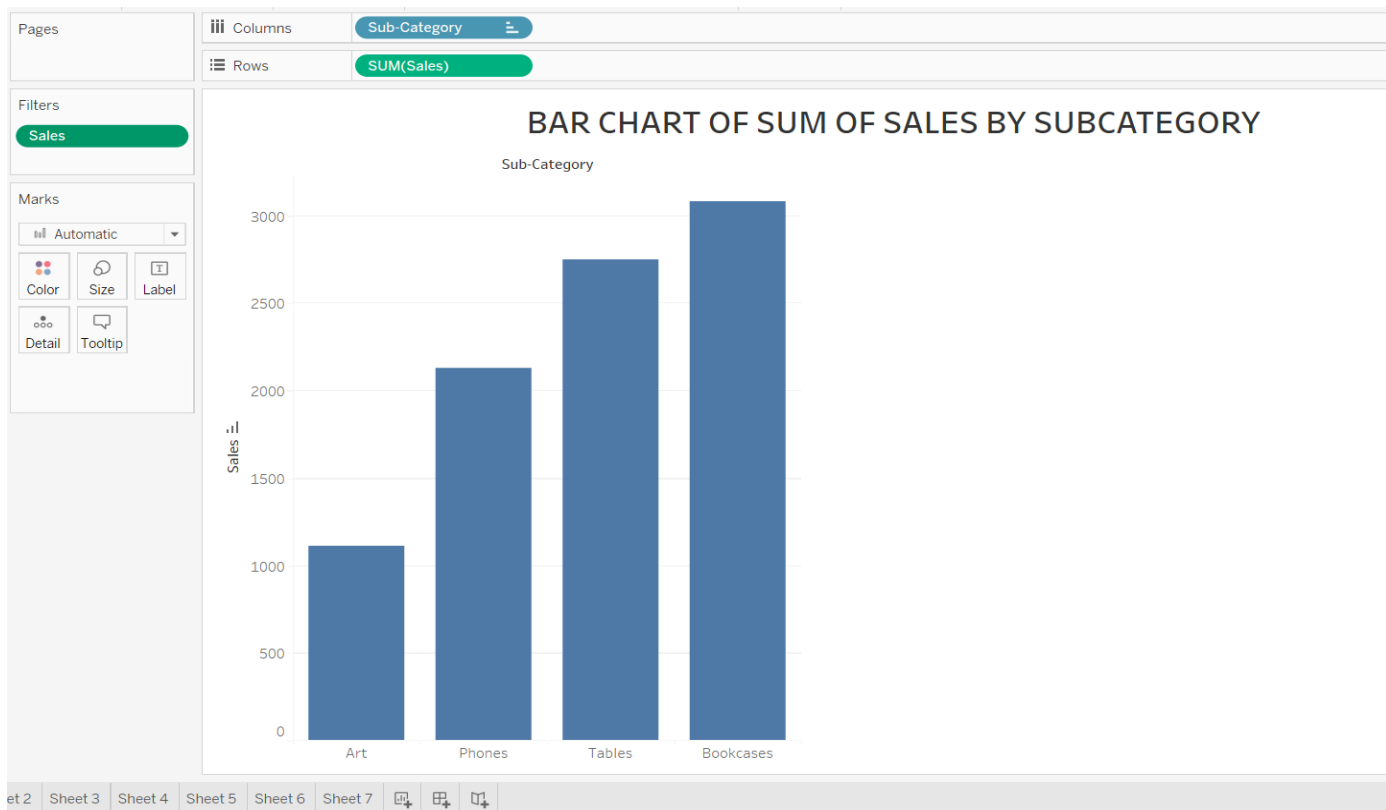
Range of values

1,000 4,000

1.248 4000

Show: Only Relevant Values Include Null Values

Reset OK Cancel Apply



(III).

Filter [Sales] X

Range of values At least At most Special

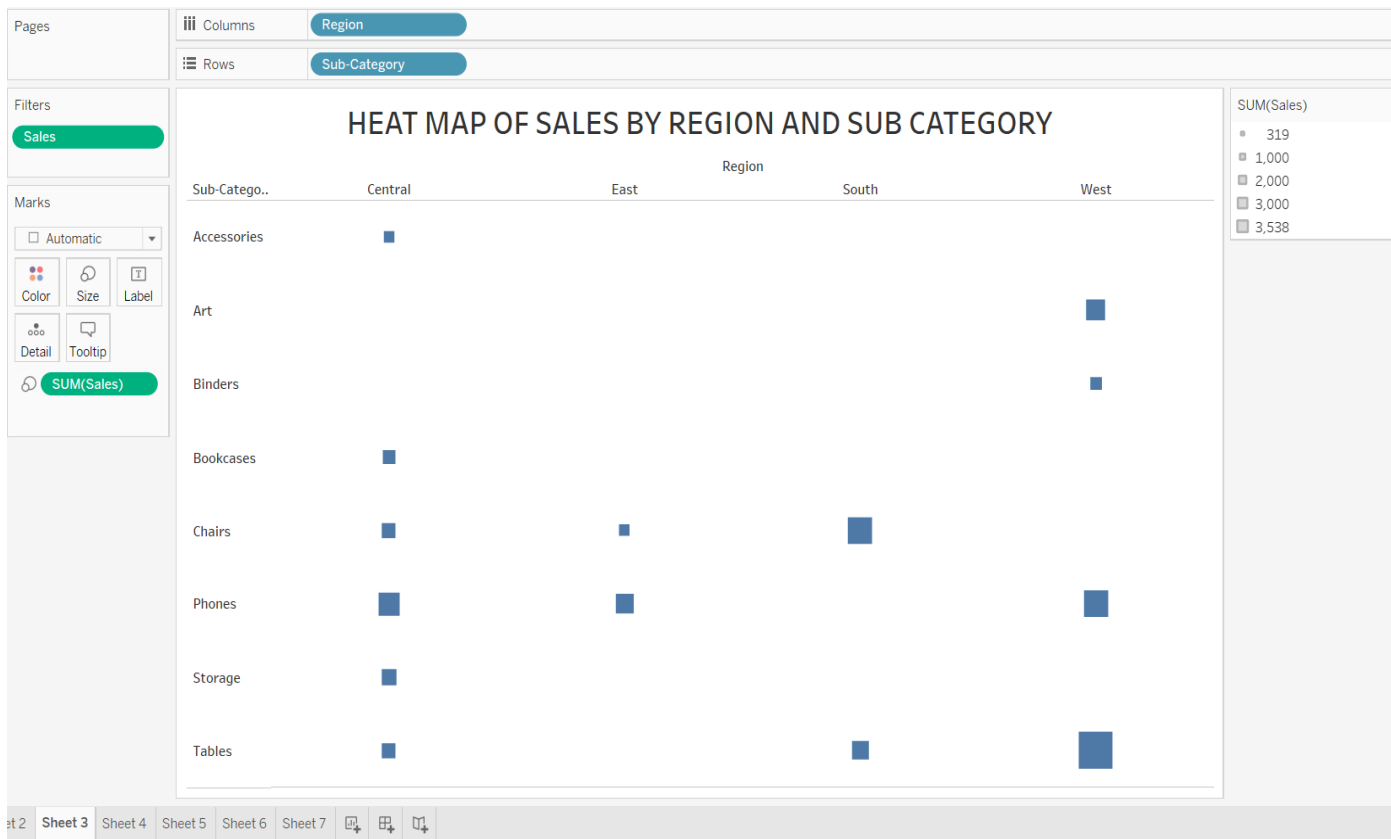
Range of values

300 3,000

1.248 3083.43

Show: Only Relevant Values Include Null Values

Reset OK Cancel Apply



Context filter:

(I).

Filter [Sub-Category]

General Wildcard Condition Top

☐ None

☒ By field:

Top 10 by Sales Sum

☐ By formula:

Top 10 by

Reset OK Cancel Apply

Filter [Category] ✕

GeneralWildcardConditionTop

☒ Select from list☐ Custom value list☐ Use all

Enter search text

☐ Furniture☒ Office Supplies☐ Technology

AllNone

☐ Exclude

Summary

Field: [Category]
Selection: Selected 1 of 3 values
Wildcard: All
Condition: None
Limit: None

Reset

OK

Cancel

Apply

Filters ▼

Category: Office .. ▼

Edit Filter...

Show Filter

Clear Filter

Add to Context

Apply to Worksheets ▶

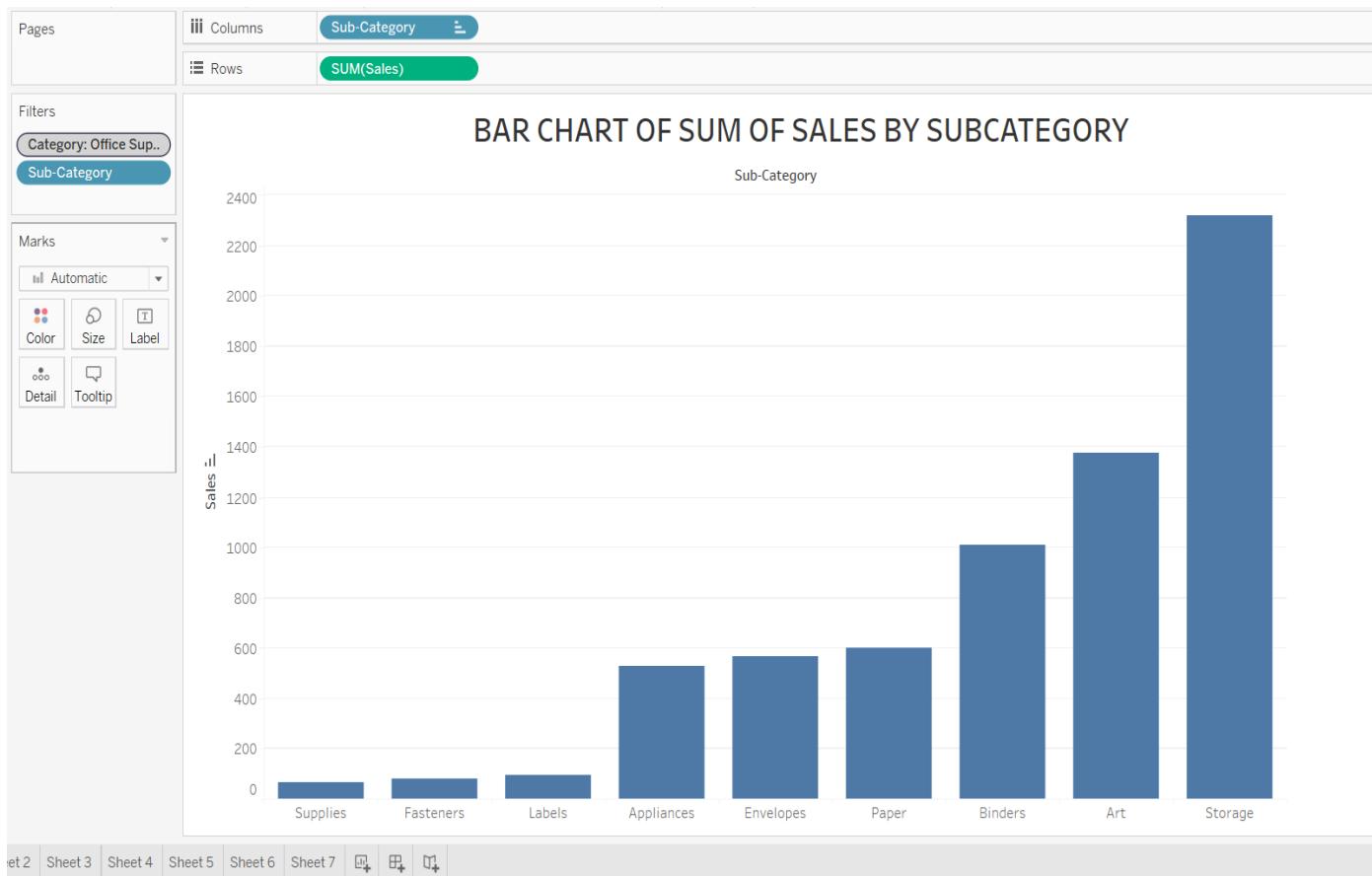
☒ Create Set...

☒ Dimension

Attribute

Measure ▶

Remove



(II).

Filter [Customer Name] X

General Wildcard Condition Top

☐ None

☒ By field:

Top 10 by

Sales Sum

☐ By formula:

Top 10 by

Reset OK Cancel Apply

Filter [Category]
✕

General
Wildcard
Condition
Top

☒ Select from list
☐ Custom value list
☐ Use all

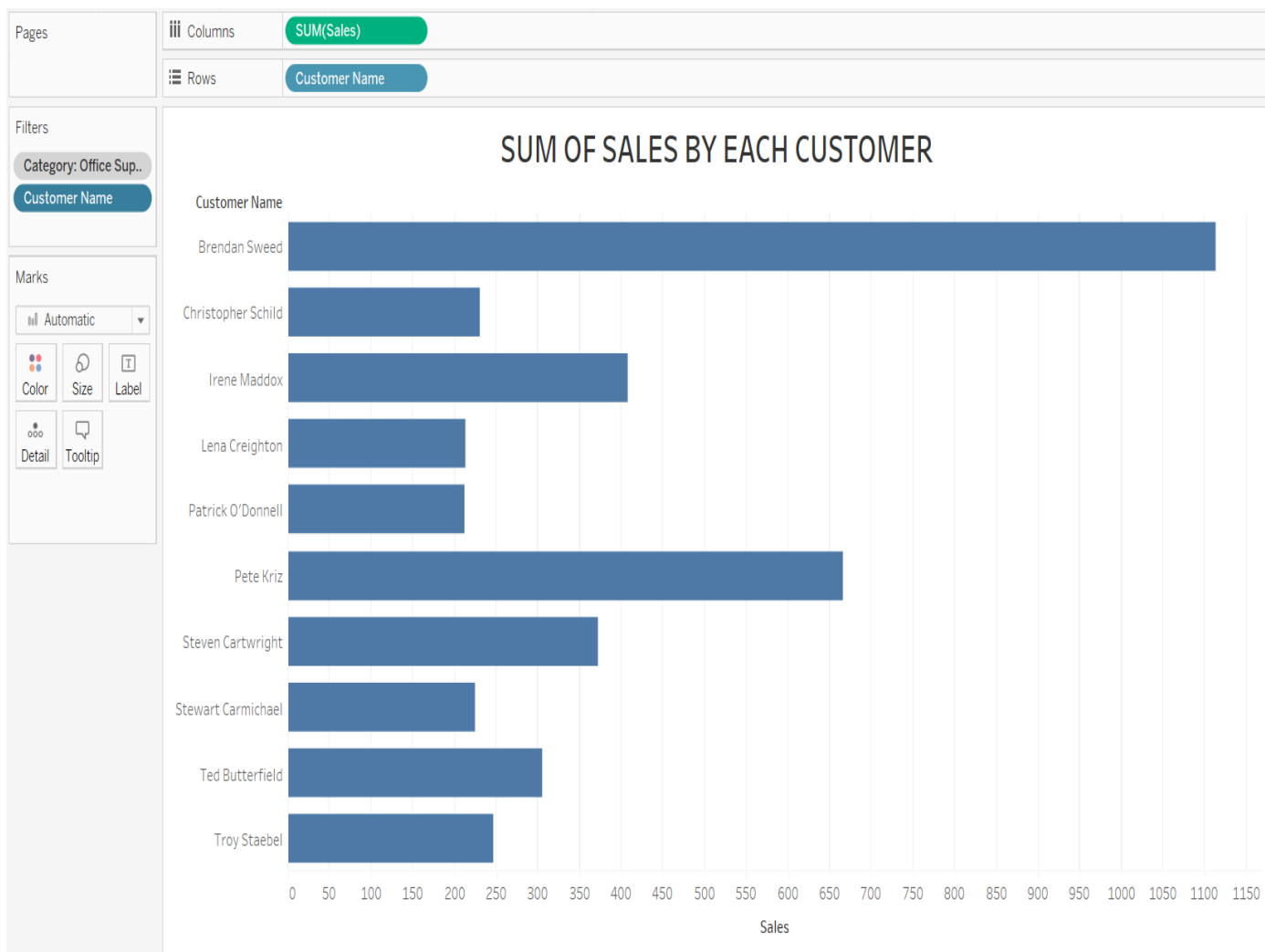
Enter search text

☐ Furniture
☒ Office Supplies
☐ Technology

All
None
☐ Exclude

Summary
Field: [Category]
Selection: Selected 1 of 3 values
Wildcard: All
Condition: None
Limit: None

Reset
OK
Cancel
Apply



(III).

Filter [Sub-Category] ✕

General Wildcard Condition **Top**

☐ None

☒ By field:

Top by

Sales

☐ By formula:

Top by

Reset OK Cancel Apply

Filter [Category] ✕

General Wildcard Condition **Top**

☒ Select from list ☐ Custom value list ☐ Use all ☰

Enter search text

☐ Furniture

☒ Office Supplies

☐ Technology

All None ☐ Exclude

Summary

Field: [Category]

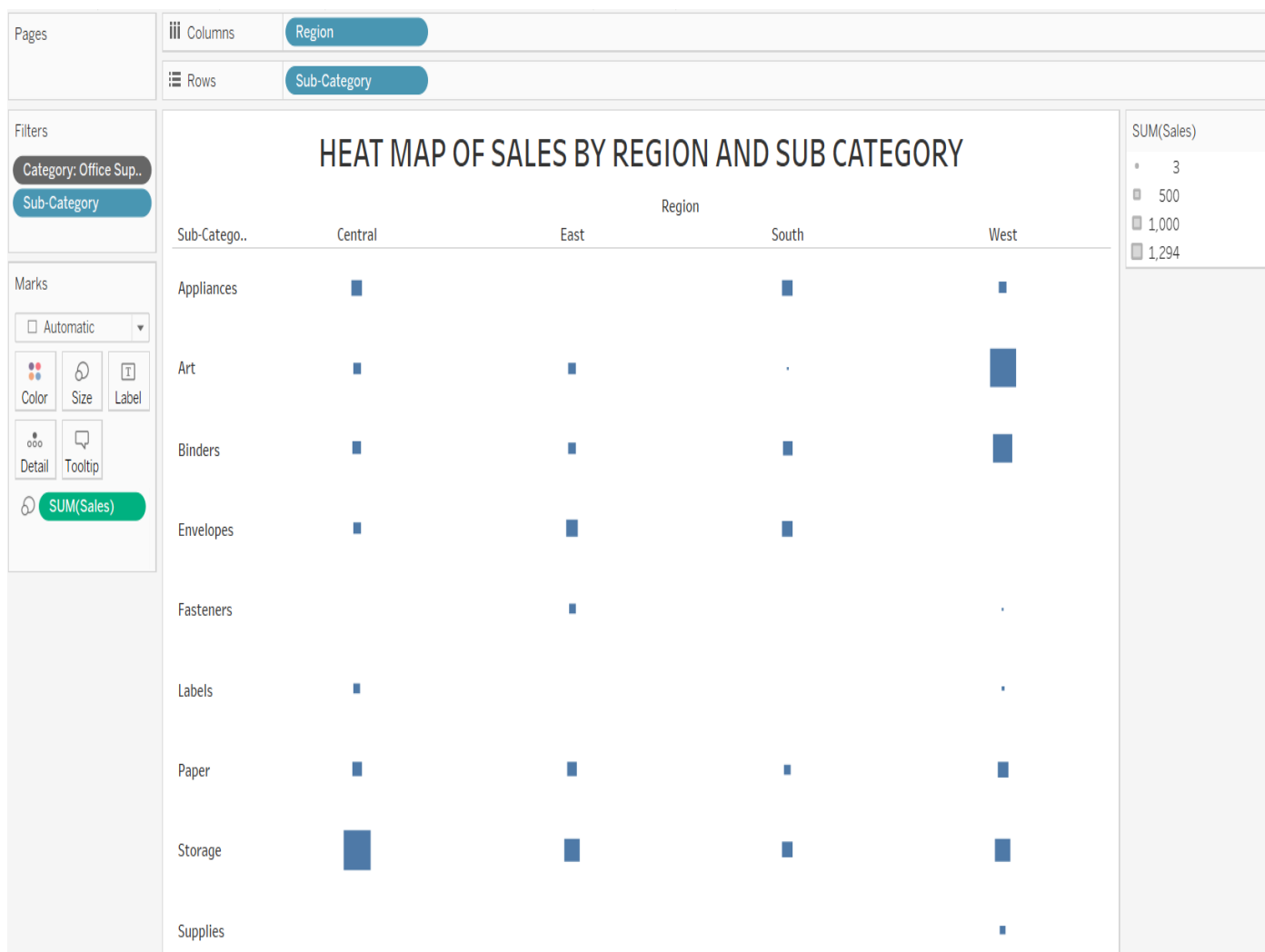
Selection: Selected 1 of 3 values

Wildcard: All

Condition: None

Limit: None

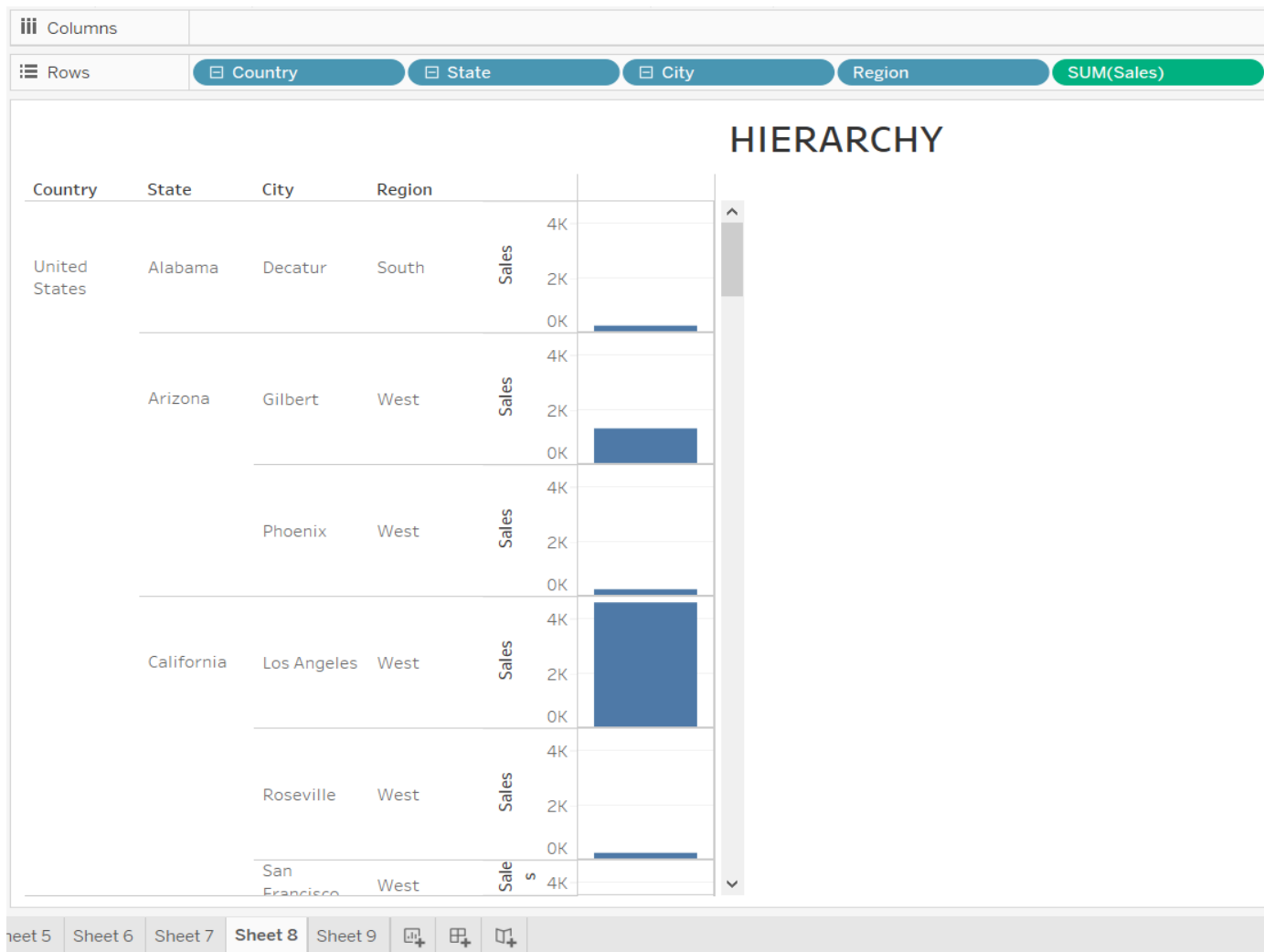
Reset OK Cancel Apply



3.

(I). Hierarchy:

- Location
 - Country
 - State
 - City
 - Region



(II). Set:

Dynamic Set:

Edit Set [Combined_Set]



Name: Combined_Set

How would you like to combine the two sets?

Sets: Top-5 Bottom-5

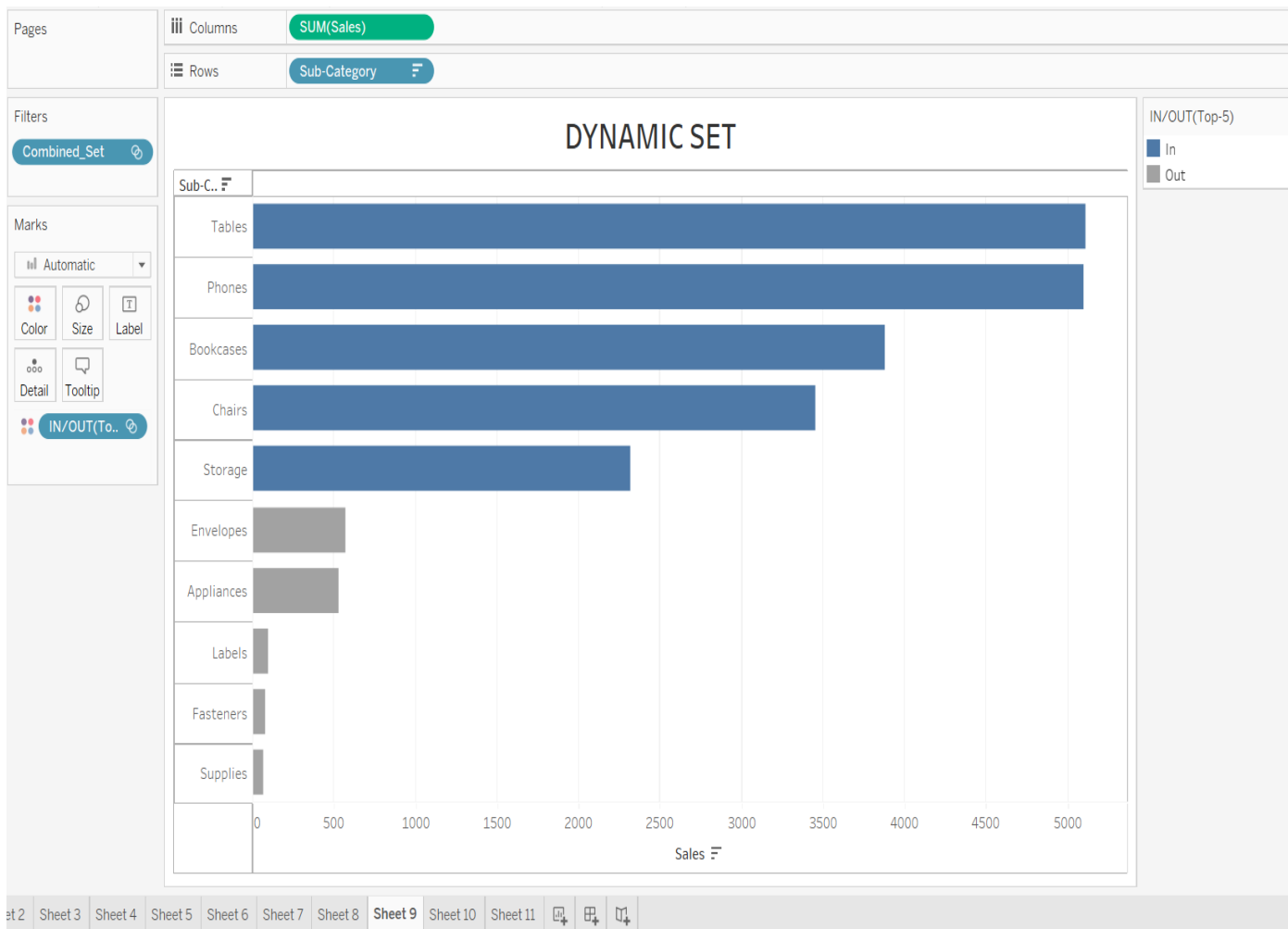
- ☒ All members in both sets
- ☐ Shared members in both sets
- ☐ "Top-5" except shared members
- ☐ "Bottom-5" except shared members

Separate members by , East, Green Tea, 2012

OK

Cancel

Apply



Fixed Set:

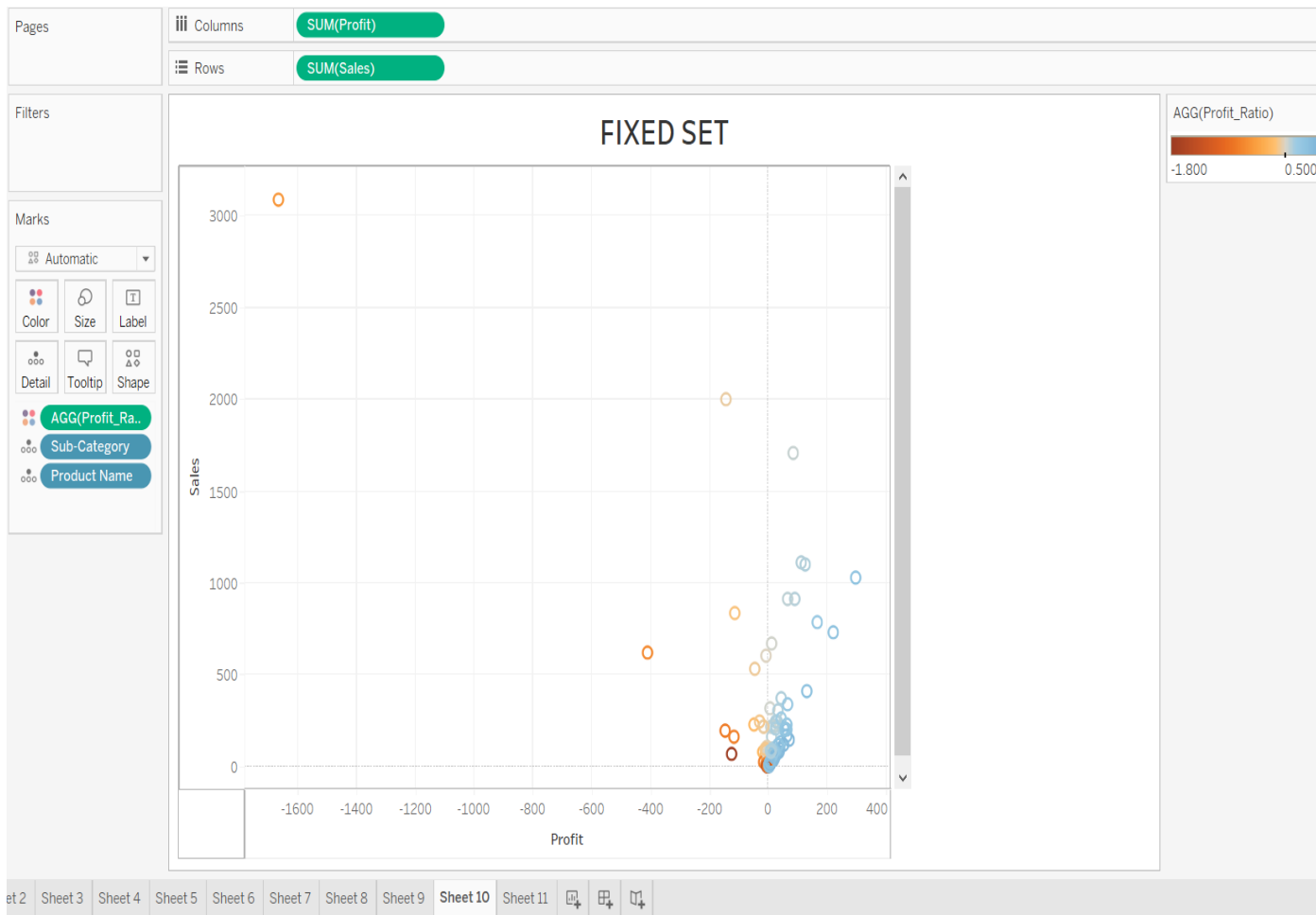
Profit_Ratio

$\text{sum}([\text{Profit}]) / \text{sum}([\text{Sales}])$

The calculation is valid.

1 Dependency

Apply OK



(III). Group:

Edit Group [Sub-Category (group)]

Field Name: Sub-Category (group)

Groups: Add to:

- Appliances
- Art
- Binders
- Bookcases
- Chairs
- Envelopes
- Fasteners
- Furnishings
- Labels
- Paper
- > Phones Group
- Storage
- Supplies
- Tables

Group Rename Ungroup ☒ Show Add Location

☐ Include 'Other' Find >>

Reset OK Cancel Apply

