DATA ANALYTICS

ASSIGNMENT-4

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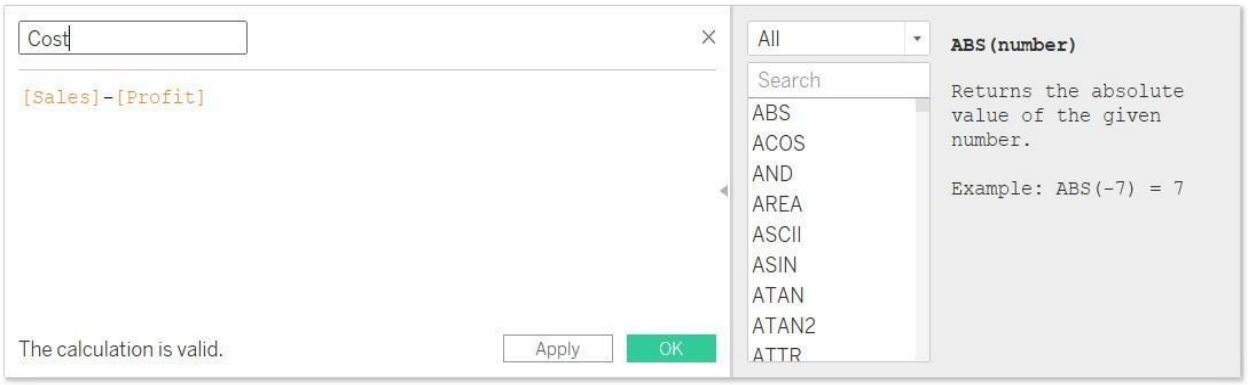
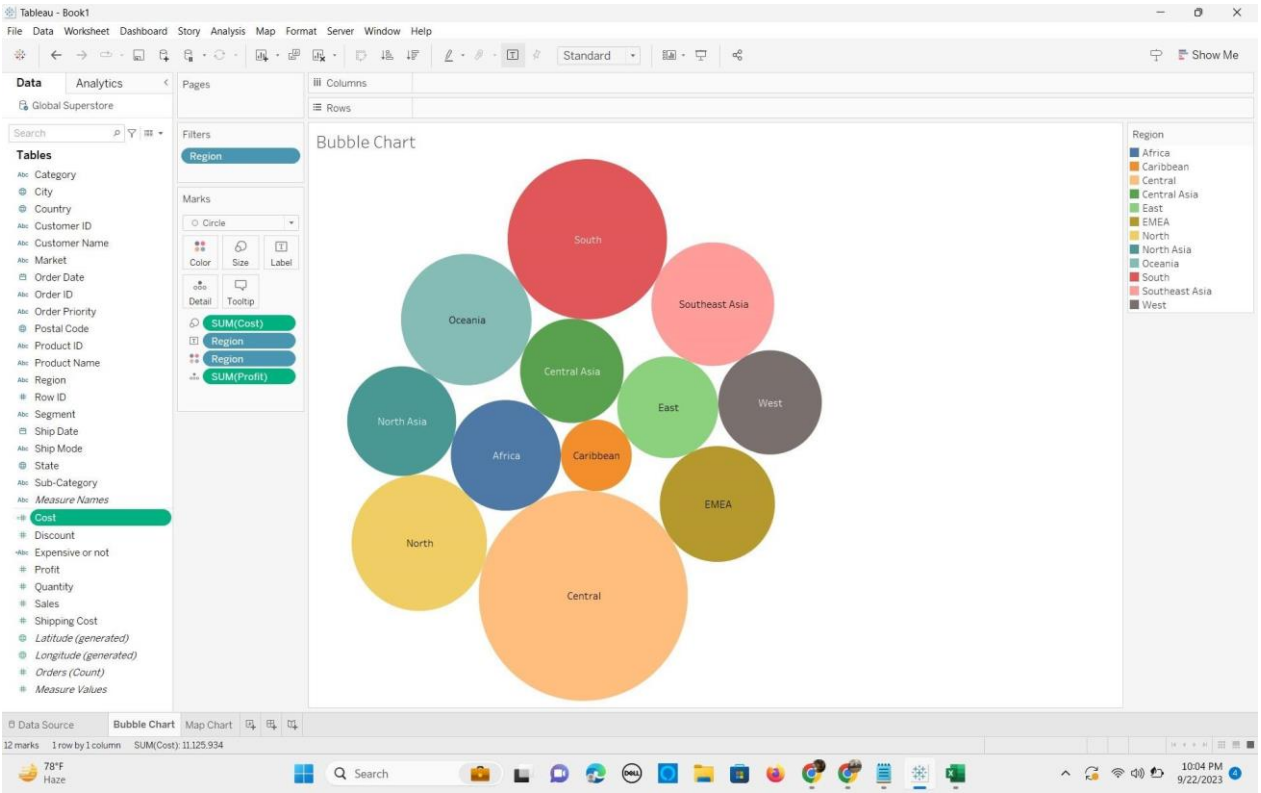
REG.NO: 21BCE7075

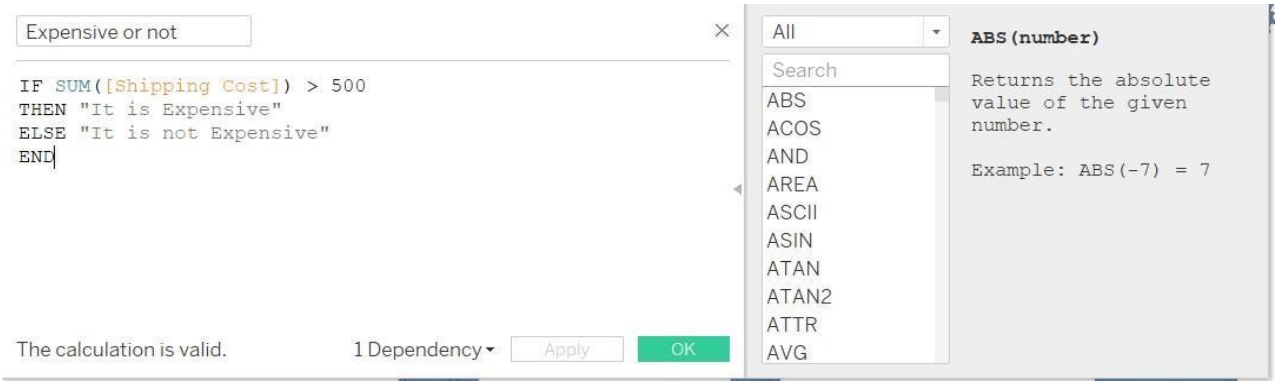
Basic Caluclations: Creating Calculated Fields

1.





2.


Expensive or not
IF SUM([Shipping Cost]) > 500
THEN "It is Expensive"
ELSE "It is not Expensive"
END
The calculation is valid.
1 Dependency
Apply
OK
All
Search
ABS
ACOS
AND
AREA
ASCII
ASIN
ATAN
ATAN2
ATTR
AVG
ABS(number)
Returns the absolute value of the given number.
Example: ABS(-7) = 7

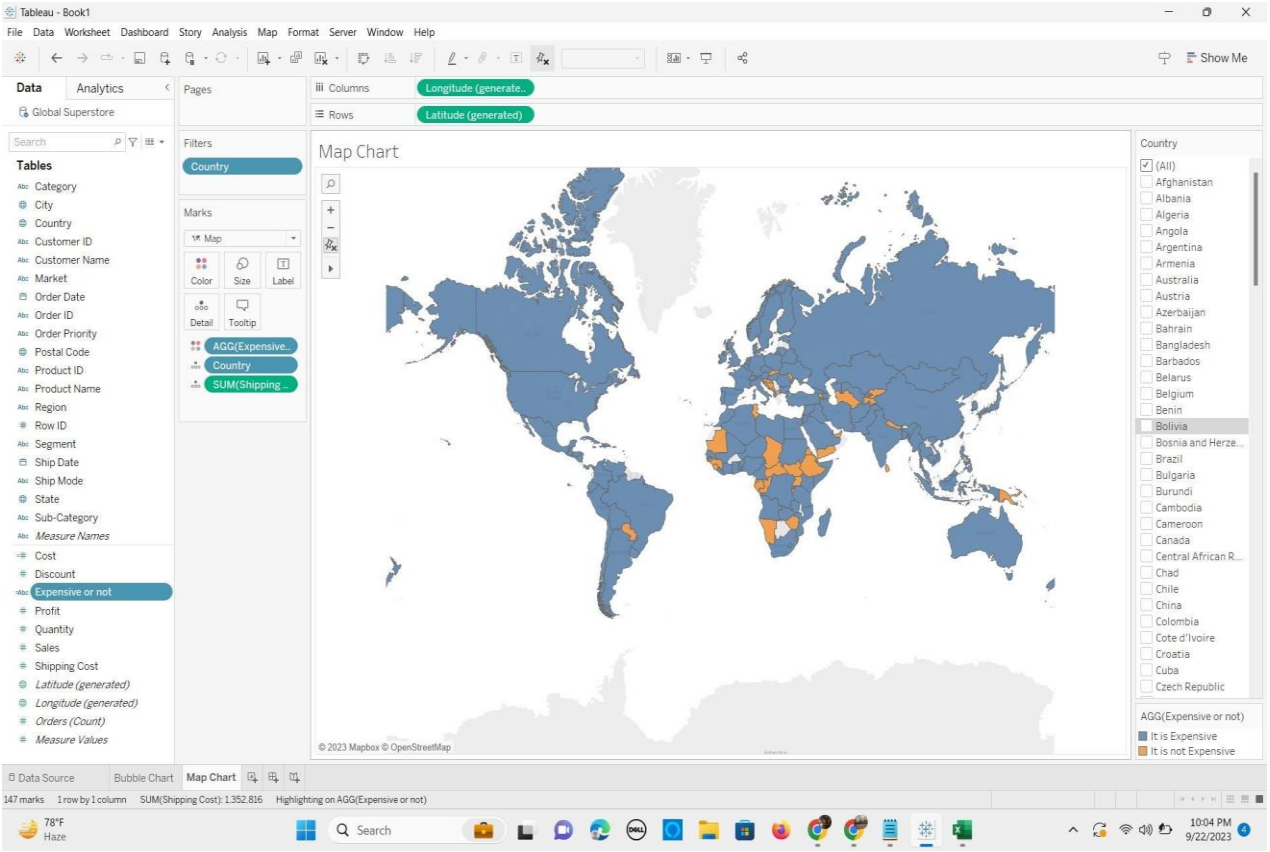
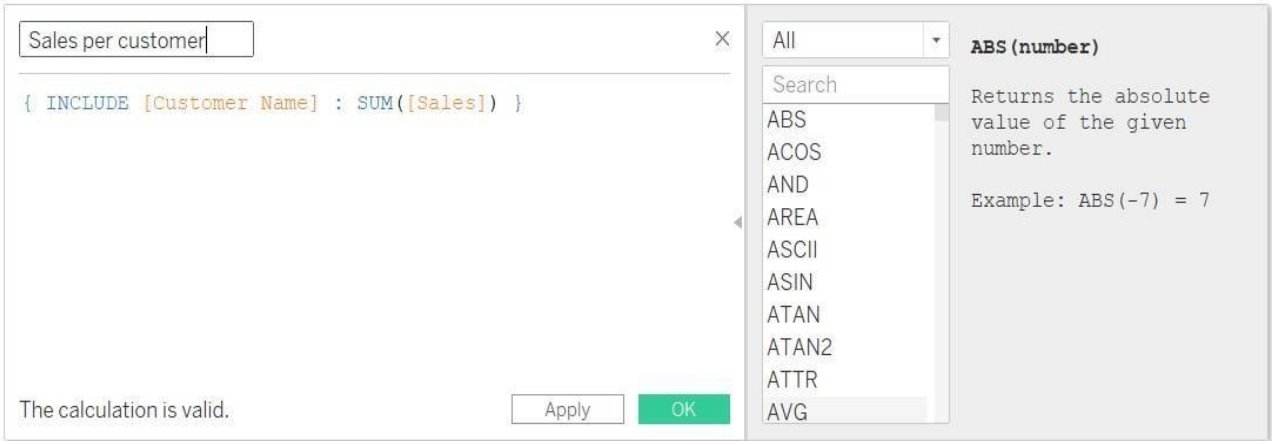
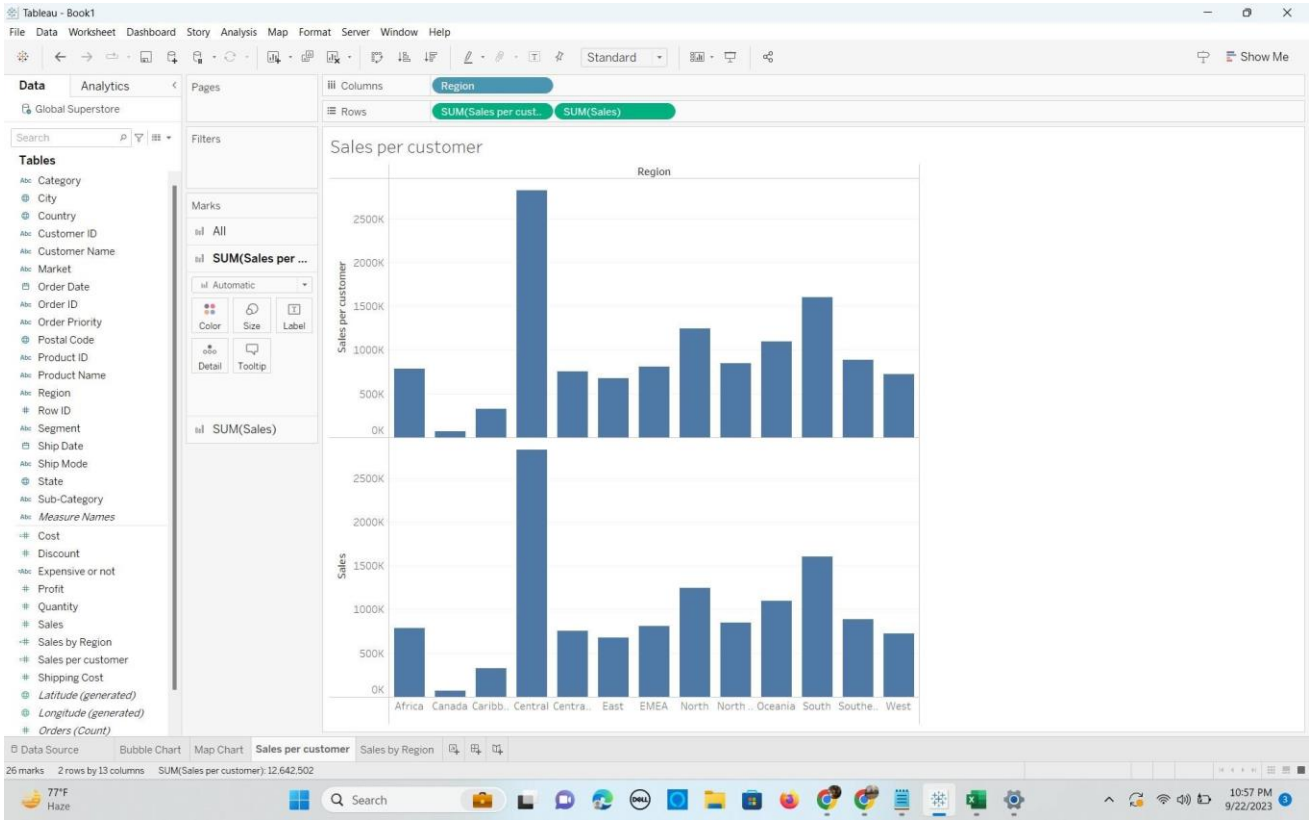


Tableau - Book1
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Show Me
Data
Analytics
Global Superstore
Tables
Category
City
Country
Customer ID
Customer Name
Market
Order Date
Order ID
Order Priority
Postal Code
Product ID
Product Name
Region
Row ID
Segment
Ship Date
Ship Mode
State
Sub-Category
Measure Names
Cost
Discount
Expensive or not
Profit
Quantity
Sales
Shipping Cost
Latitude (generated)
Longitude (generated)
Orders (Count)
Measure Values
Pages
Filters
Country
Marks
Map
Color
Size
Label
Detail
Tooltip
AGG(Expensive...
Country
SUM(Shipping ...
Columns
Longitude (generate..
Rows
Latitude (generated)
Map Chart
© 2023 Mapbox © OpenStreetMap
Country
(All)
Afghanistan
Albania
Algeria
Angola
Argentina
Armenia
Australia
Austria
Azerbaijan
Bahrain
Bangladesh
Barbados
Belarus
Belgium
Benin
Bolivia
Bosnia and Herze...
Brazil
Bulgaria
Burundi
Cambodia
Cameroon
Canada
Central African R...
Chad
Chile
China
Colombia
Cote d'Ivoire
Croatia
Cuba
Czech Republic
AGG(Expensive or not)
It is Expensive
It is not Expensive
Data Source
Bubble Chart
Map Chart
147 marks
1 row by 1 column
SUM(Shipping Cost): 1,352,816
Highlighting on AGG(Expensive or not)
78°F
Haze
Search
10:04 PM
9/22/2023

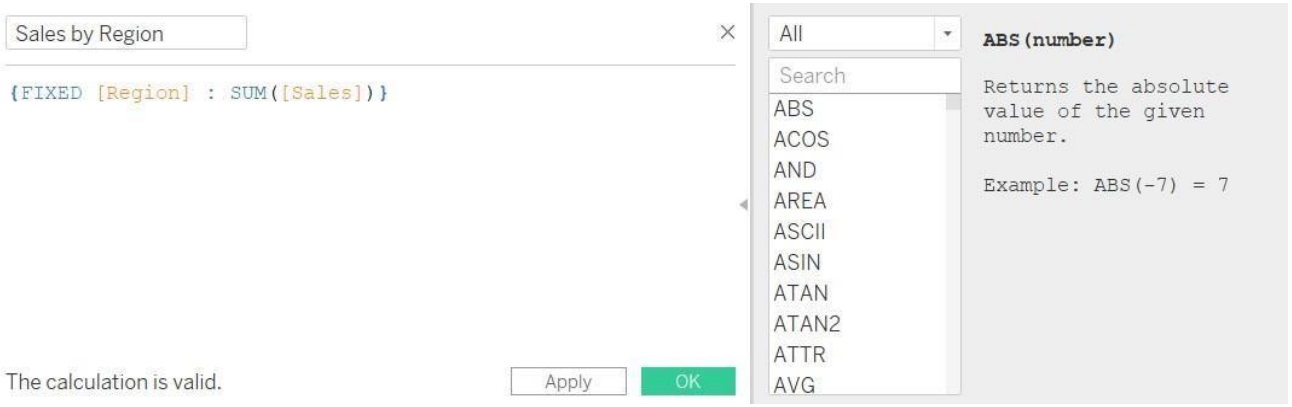
Creating LOD Expression using calculated fields:

1.





2.


Sales by Region
{FIXED [Region] : SUM([Sales])}
The calculation is valid.
Apply
OK
All
Search
ABS
ACOS
AND
AREA
ASCII
ASIN
ATAN
ATAN2
ATTR
AVG
ABS(number)
Returns the absolute value of the given number.
Example: ABS(-7) = 7

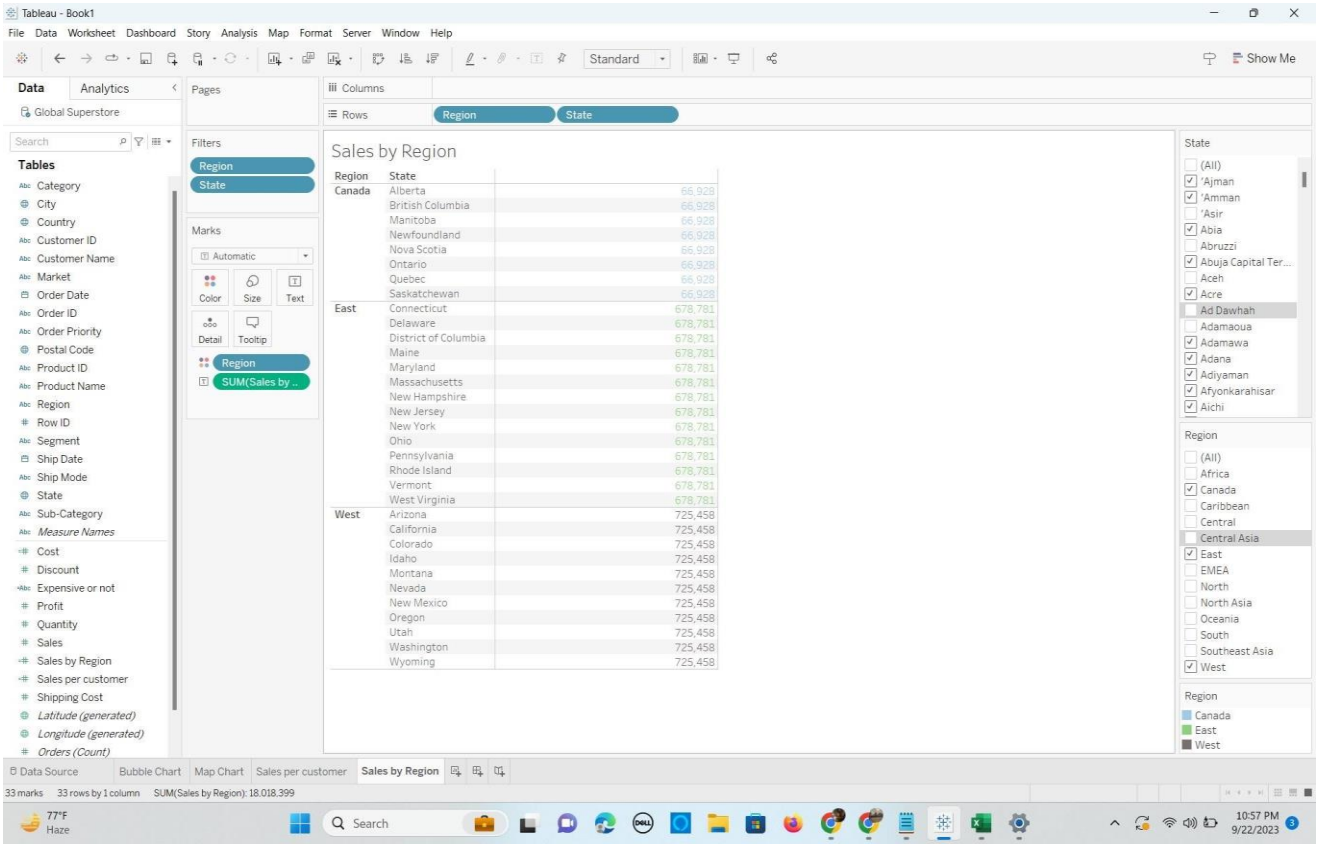


Tableau - Book1
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Standard
Show Me
Data
Analytics
Global Superstore
Pages
Columns
Rows
Region
State
Filters
Region
State
Marks
Automatic
Color
Size
Text
Detail
Tooltip
Region
SUM(Sales by...
Sales by Region
Region State
Canada Alberta 66,928
British Columbia 66,928
Manitoba 66,928
Newfoundland 66,928
Nova Scotia 66,928
Ontario 66,928
Quebec 66,928
Saskatchewan 66,928
East Connecticut 678,781
Delaware 678,781
District of Columbia 678,781
Maine 678,781
Maryland 678,781
Massachusetts 678,781
New Hampshire 678,781
New Jersey 678,781
New York 678,781
Ohio 678,781
Pennsylvania 678,781
Rhode Island 678,781
Vermont 678,781
West Virginia 678,781
West Arizona 725,458
California 725,458
Colorado 725,458
Idaho 725,458
Montana 725,458
Nevada 725,458
New Mexico 725,458
Oregon 725,458
Utah 725,458
Washington 725,458
Wyoming 725,458
Tables
Category
City
Country
Customer ID
Customer Name
Market
Order Date
Order ID
Order Priority
Postal Code
Product ID
Product Name
Region
Row ID
Segment
Ship Date
Ship Mode
State
Sub-Category
Measure Names
Cost
Discount
Expensive or not
Profit
Quantity
Sales
Sales by Region
Sales per customer
Shipping Cost
Latitude (generated)
Longitude (generated)
Orders (Count)
State
(All)
'Ajman
'Amman
'Asir
Abia
Abruzzi
Abuja Capital Ter...
Aceh
Acre
Ad Dawhah
Adamaoua
Adamawa
Adana
Adiyaman
Afyonkarahisar
Aichi
Region
(All)
Africa
Canada
Caribbean
Central
Central Asia
East
EMEA
North
North Asia
Oceania
South
Southeast Asia
West
Region
Canada
East
West
Data Source
Bubble Chart
Map Chart
Sales per customer
Sales by Region
33 marks
33 rows by 1 column
SUM(Sales by Region): 18,018,399
77°F
Haze
Search
10:57 PM
9/22/2023