Tableau- Assignment 6
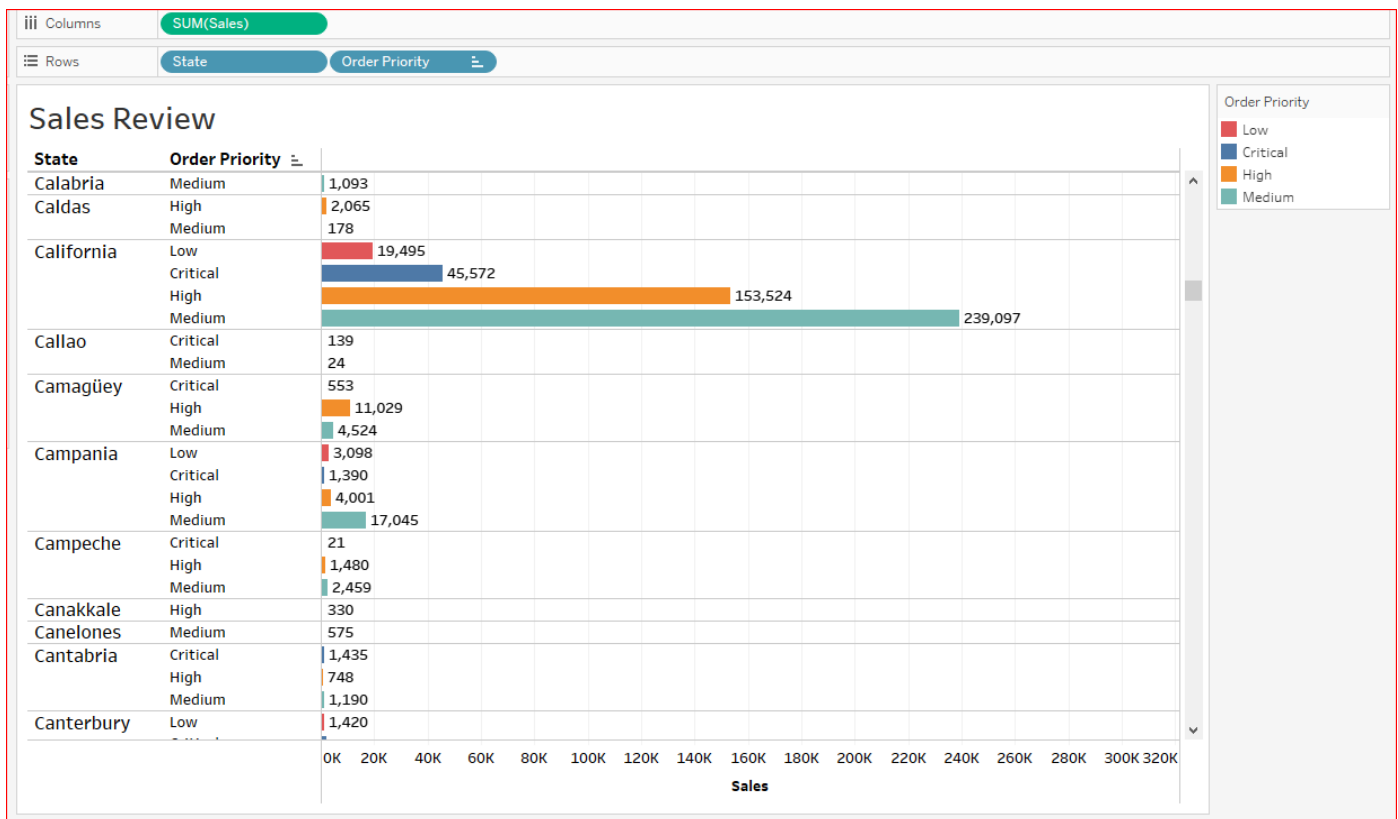
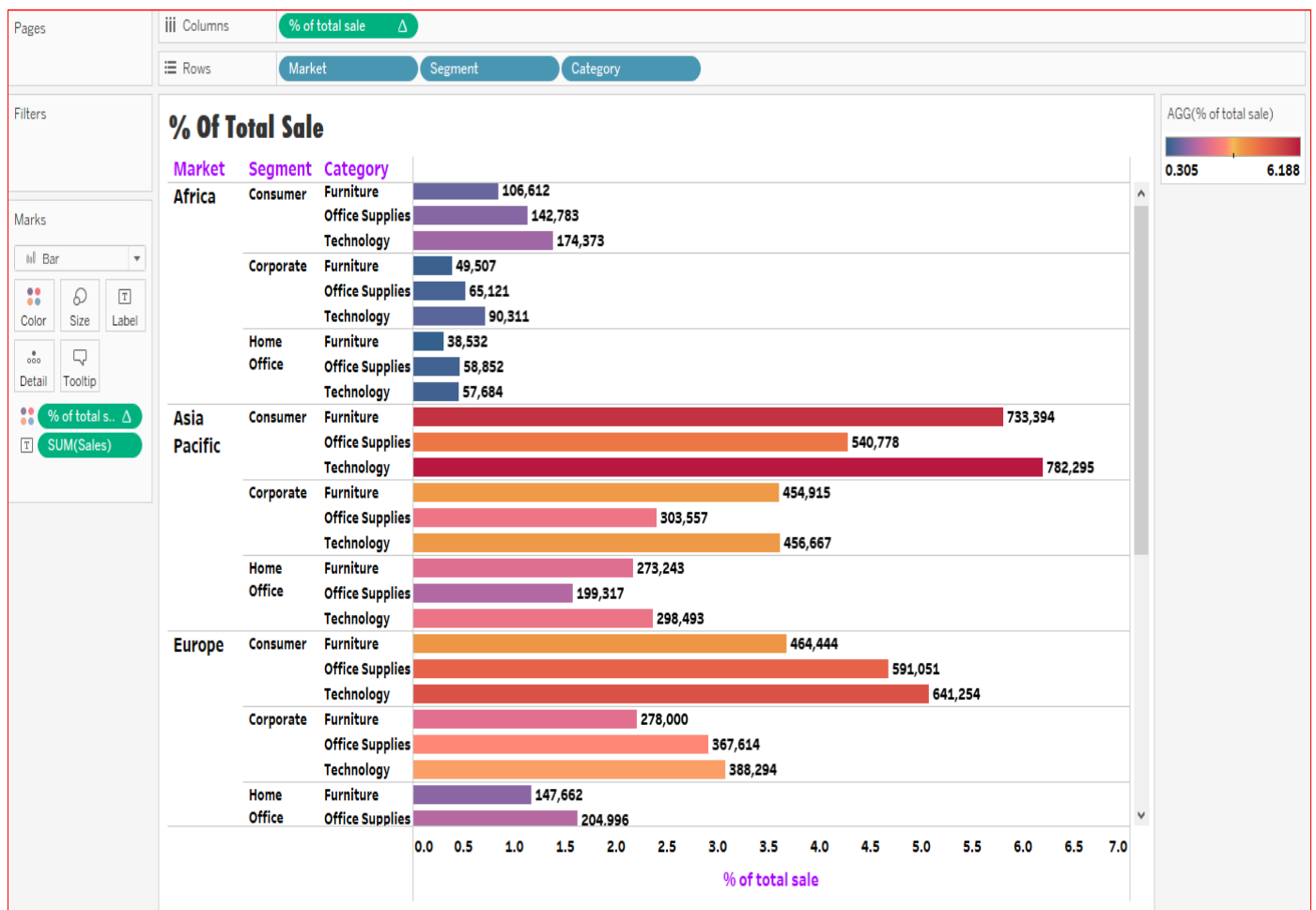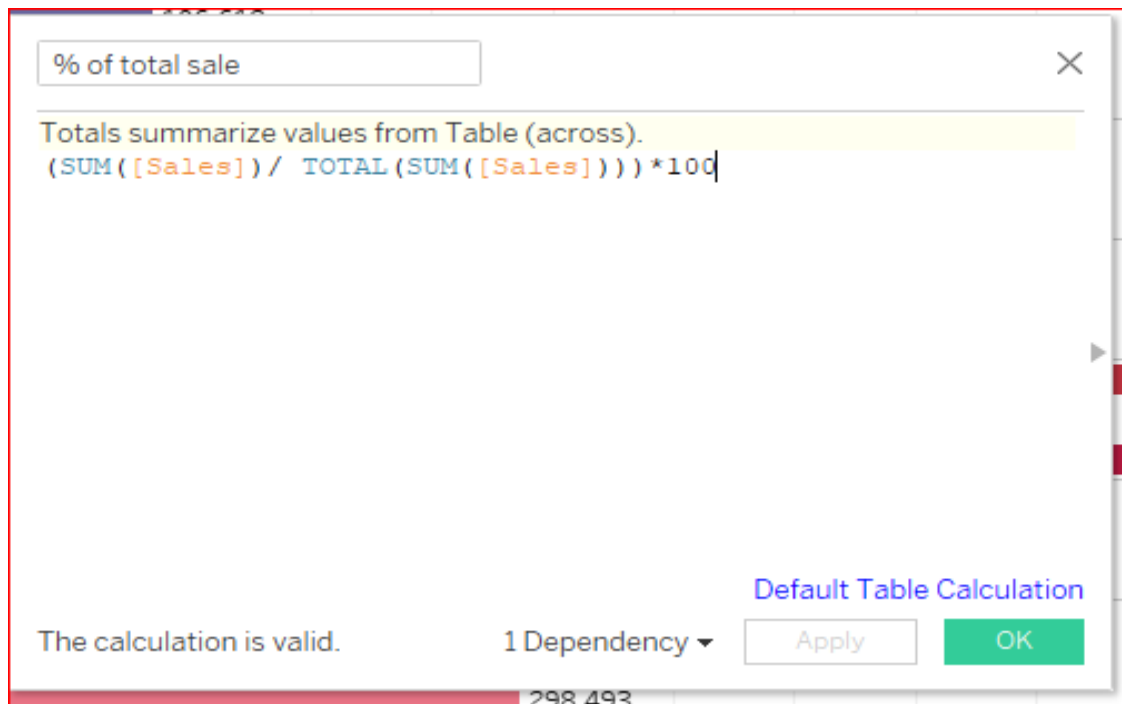## Name: Mohammad Wasiq

E-mail: mohammadwasiq0786@gmail.com

1. You work as an analyst at "Mega Corp" company. The company has locations in a few states. You want to give the executive team a breakdown of sales by State and Order Priority. Create a lollipop chart to show the use of the same measure on two axes. Use the "Global Superstore Orders 2016.xls" dataset.

2. A running total is the sum of a series of numbers that would be modified each time a new value is added to the series. It is also known as a "partial sum." Using the "Global Superstore Orders 2016.xls" dataset", create a view showing the quarterly running total of profit for each "Market". You may use the dimension Year (Order Date) used as a discrete dimension.

Quarterly Running Profit

3. Percent distribution is another name for the "percent of total" type of table calculation. Using a formula that divides a sum by the total, it is calculated. Example: By adding the numbers 250, 350, and 400 together, you can obtain the percent of the total for each of the following numbers: 250, 350, and 400 / (250+350+400) = 1000 is the total. To find the percentage for each, divide the sum by the total: {[250/1000] *100}. Create a view using a stacked bar chart depicting the "Percent of Total Sales" for categories of products per segment per "Market" across several years. Write your key observations in terms of the profitability of products across all the segments. Use the "Global Superstore Orders 2016.xls" dataset.

% of total sale

Totals summarize values from Table (across).
(SUM([Sales])/ TOTAL(SUM([Sales])))*100

Default Table Calculation

The calculation is valid.   1 Dependency ▾   Apply   OK

298,493

Pages

Columns | % of total sale Δ

Rows | Market | Segment | Category

Filters

Marks

Bar ▾

Color | Size | Label
Detail | Tooltip

% of total s.. Δ
SUM(Sales)

% Of Total Sale

AGG(% of total sale)
0.305   6.188

Market	Segment	Category	
Africa	Consumer	Furniture	106,612
		Office Supplies	142,783
		Technology	174,373
	Corporate	Furniture	49,507
		Office Supplies	65,121
		Technology	90,311
	Home Office	Furniture	38,532
		Office Supplies	58,852
		Technology	57,684
Asia Pacific	Consumer	Furniture	733,394
		Office Supplies	540,778
		Technology	782,295
	Corporate	Furniture	454,915
		Office Supplies	303,557
		Technology	456,667
	Home Office	Furniture	273,243
		Office Supplies	199,317
		Technology	298,493
Europe	Consumer	Furniture	464,444
		Office Supplies	591,051
		Technology	641,254
	Corporate	Furniture	278,000
		Office Supplies	367,614
		Technology	388,294
	Home Office	Furniture	147,662
		Office Supplies	204,996

0.0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5 7.0

% of total sale

4. Demonstrate the use of the "Moving Average" of the measure "Profit" across several years using the "Global Superstore Orders 2016.xls". Use the Month (Order Date) dimension represented as continuous data on the columns shelf. Moving averages are considered lagging indicators. They are based on occurrences that have already taken place, and they are not predictive tools.

5. Create a view using the table calculations, depicting the rank of the "States" based on their "Sales". The "States" with the highest sales are listed first, followed by the "States" with the second-highest sales, which is listed second, and so on. Use the "Global Superstore Orders 2016.xls" dataset.

Rank   ✕

Results are computed along Table (across).
RANK(SUM([Sales]),'desc')

                                                    Default Table Calculation

The calculation is valid.   1 Dependency ▾   [Apply]   [OK]

Data	Analytics	‹

🔒 Orders (Global Supersto...

Search 🔍 ▽ ▤ ▾

Tables

Abc Category
🌐 City
🌐 Country
Abc Customer ID
Abc Customer Name
Abc Market
📅 Order Date
Abc Order ID
Abc Order Priority
🌐 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*
=# % of total sale
Discount
Profit
Quantity
=# **Rank**
Sales
Shipping Cost
🌐 *Latitude (generated)*
🌐 *Longitude (generated)*

Pages

Filters
  Measure Names: Sal...

Marks
  ▦ Automatic ▾
  Color   Size   Text
  Detail Tooltip
  Ⓣ Measure Values
  Ⓣ Rank   △

Measure Values
  SUM(Sales)

iii Columns   Measure Names
≣ Rows   State   ⩲

States by SALES Rank

State ⩲	Sales ⩲
England	485,171 1
California	457,688 2
Ile-de-France	317,823 3
New York	310,876 4
New South Wales	270,487 5
Queensland	238,313 6
North Rhine-Westphalia	216,452 7
Texas	170,188 8
San Salvador	153,639 9
National Capital	152,175 10
Victoria	151,785 11
Washington	138,641 12
Distrito Federal	128,395 13
Pennsylvania	116.512