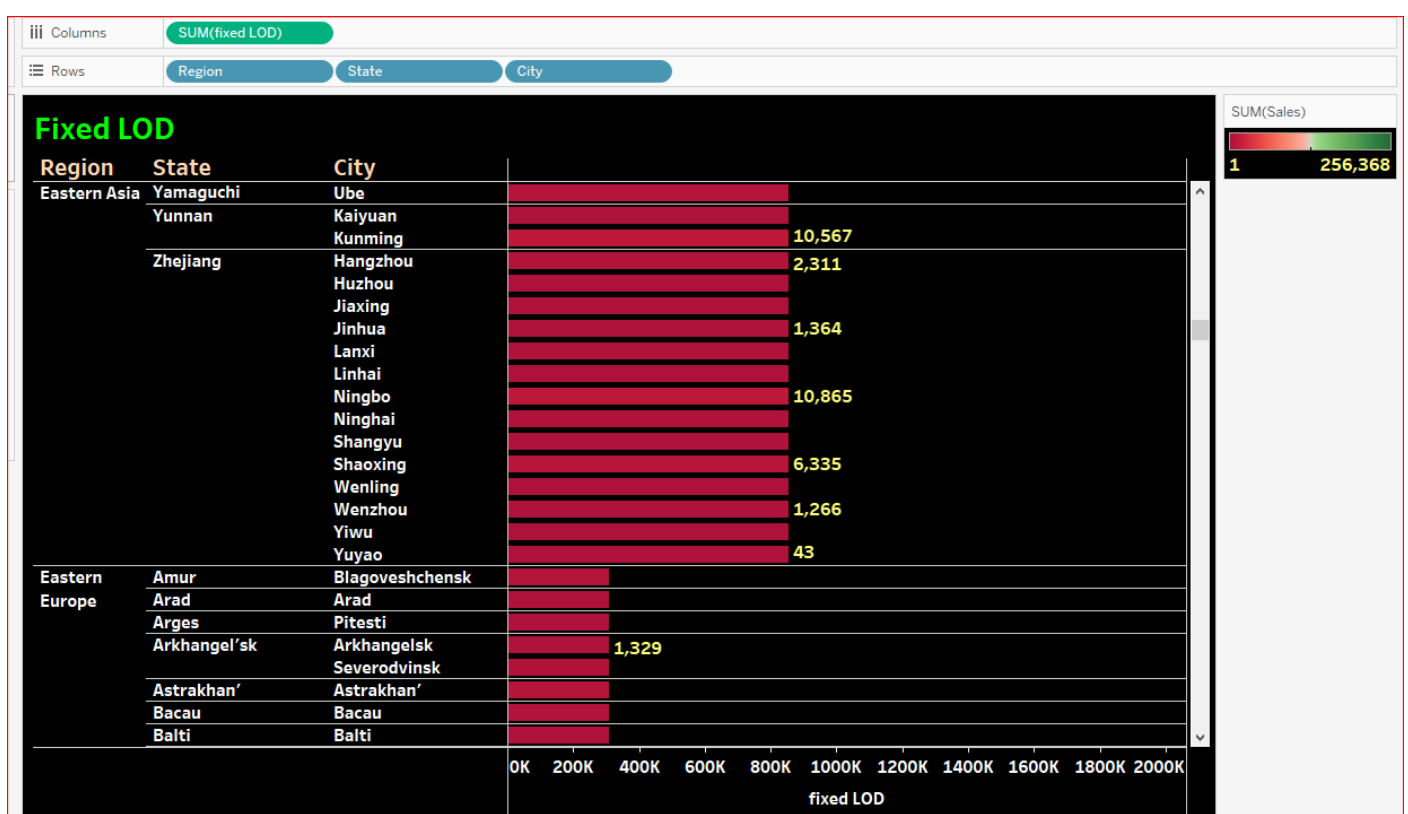# Tableau- Assignment 7

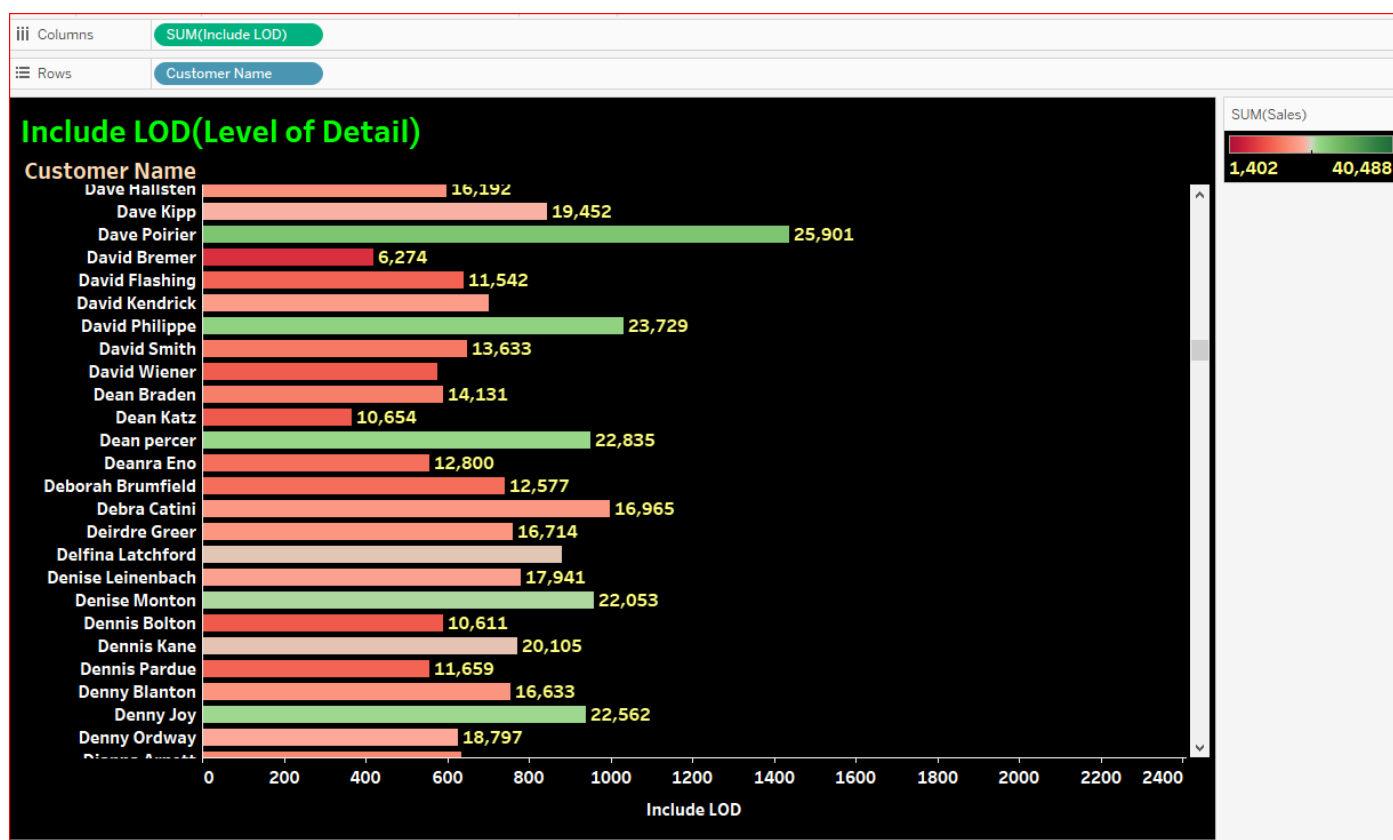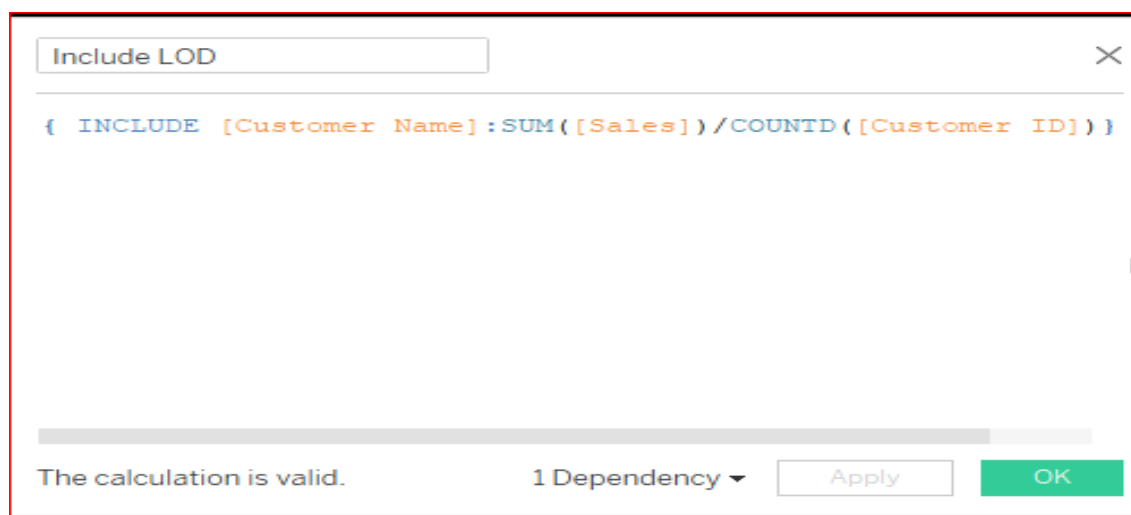1. **Using the concept of Exclude-LOD, create a view/worksheet that shows the sales by region, by state, and by the city in parallel with the dimensions, "Region", "State" and "City". Use the Global Superstore Orders 2016 dataset.**

2. Calculations for Fixed-LOD are independent of the view. Regardless of what is or is not included in the view, they simply concentrate on the dimension that we utilize in the "Fixed LOD Calculations." With respect to the information shared above, create a view/worksheet that shows the sales by region, by state, and by the city in parallel with the dimensions, "Region", "State" and "City" keeping the sales constant w.r.t to the dimensions used in the view. Name the custom LOD calculations with the suffix "Fixed". Use the Global Superstore Orders 2016 dataset.

3. Using the concept of Include-LOD, create a view/worksheet that shows the "Average Sales Amount" for all the customers and the "Average Transaction Amount per Customer" in the same sheet. Use the PowerStore_USA dataset. (Hint: Add up all the client sales to get the "Average Sales Amount," then divide by the total number of customers. Combine the transaction amounts for each client, then add the totals for all customers to obtain the "Average Sales Amount per Customer." Lastly, divide the total sum for all clients by the distinct clients.)

Include LOD   ✕

{ INCLUDE [Customer Name]:SUM([Sales])/COUNTD([Customer ID])}

The calculation is valid.   1 Dependency ▾   Apply   OK

⦀ Columns	SUM(Include LOD)
≣ Rows	Customer Name

Include LOD(Level of Detail)

Customer Name

SUM(Sales)

1,402   40,488

Dave Hallsten	16,192
Dave Kipp	19,452
Dave Poirier	25,901
David Bremer	6,274
David Flashing	11,542
David Kendrick	
David Philippe	23,729
David Smith	13,633
David Wiener	
Dean Braden	14,131
Dean Katz	10,654
Dean percer	22,835
Deanra Eno	12,800
Deborah Brumfield	12,577
Debra Catini	16,965
Deirdre Greer	16,714
Delfina Latchford	
Denise Leinenbach	17,941
Denise Monton	22,053
Dennis Bolton	10,611
Dennis Kane	20,105
Dennis Pardue	11,659
Denny Blanton	16,633
Denny Joy	22,562
Denny Ordway	18,797

0   200   400   600   800   1000 1200 1400 1600 1800 2000 2200 2400

Include LOD

4. The data set is divided into 100 equal sections using percentiles. Percentiles calculate starting position. They are employed to assess a person's position within the population. In other words, they reveal a person's rank standing. Prepare dummy data for students enrolled in iNeuron's Data Science Course with columns (Roll Num, Marks) with the number of rows of your choice. Create a view showing the percentile for data science students enrolled in iNeuron's Data Science Course based on their scores.
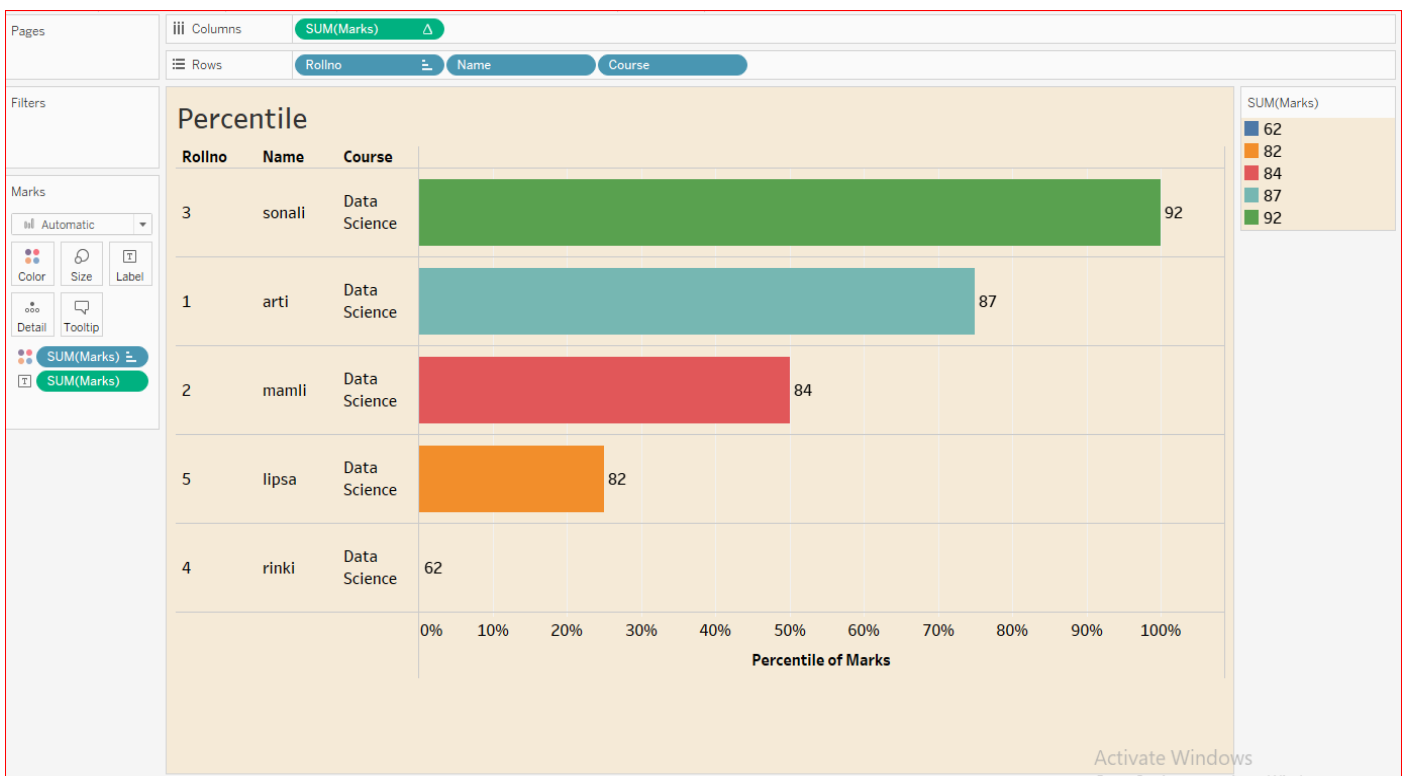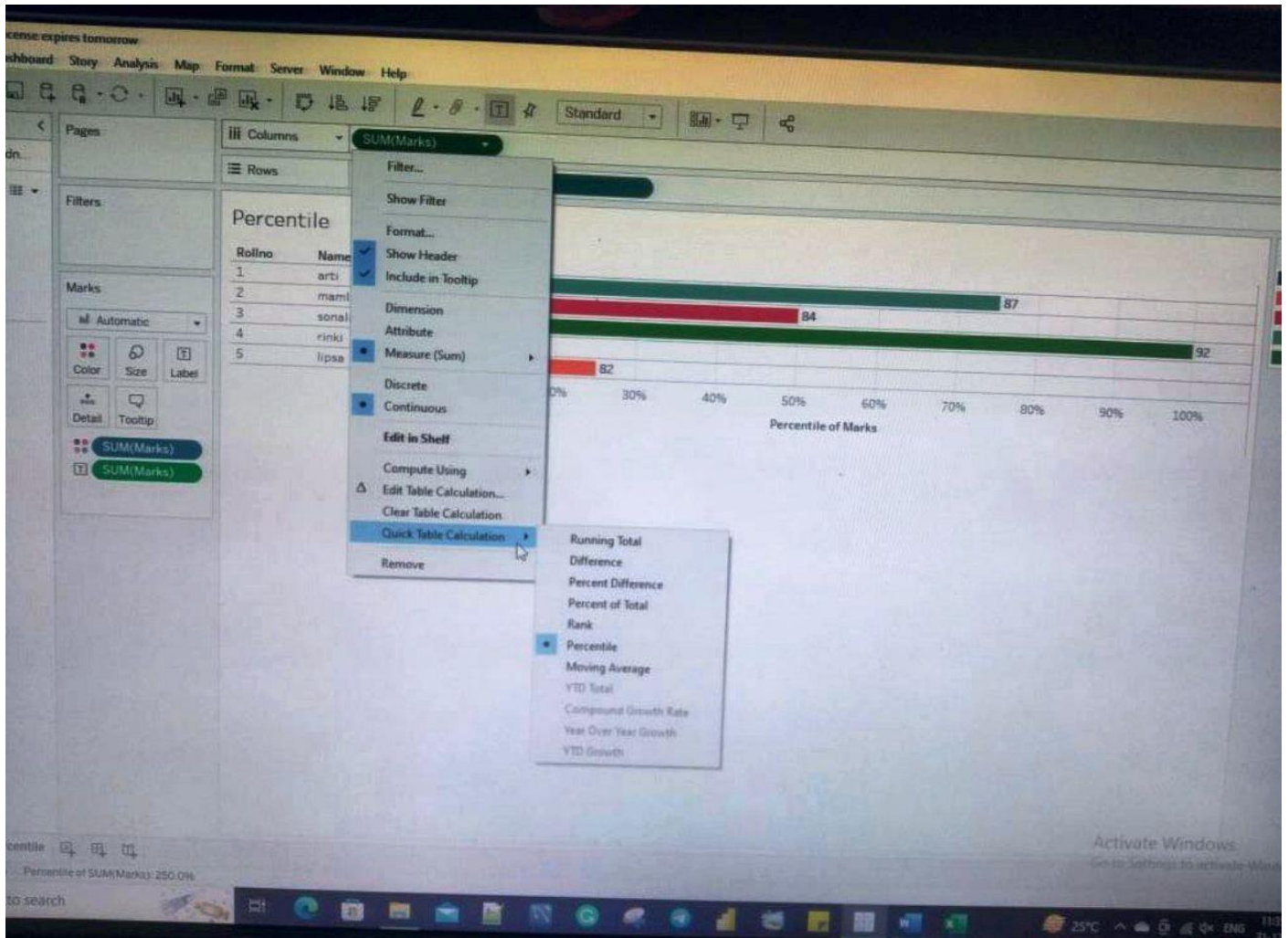
5. The company's financial performance this year in comparison to last year is referred to as YOY. The YOY performance is used to determine if the company's performance is deteriorating or improving. Using the Global Superstore Orders 2016 data, create a visualization of the company's year-over-year growth for a period of 4 years.

Year Over Year by Sales