

# Assignment 4

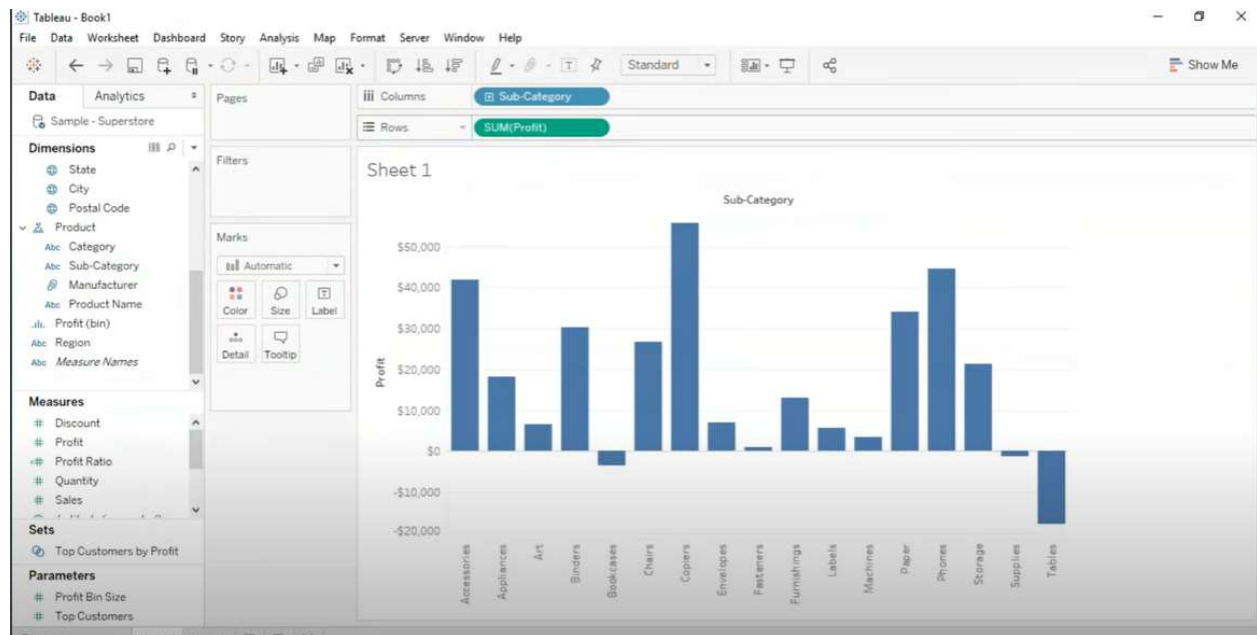
## Data Analytics

Name: Korukonda Pradeep  
Registration number: 21BCE5255

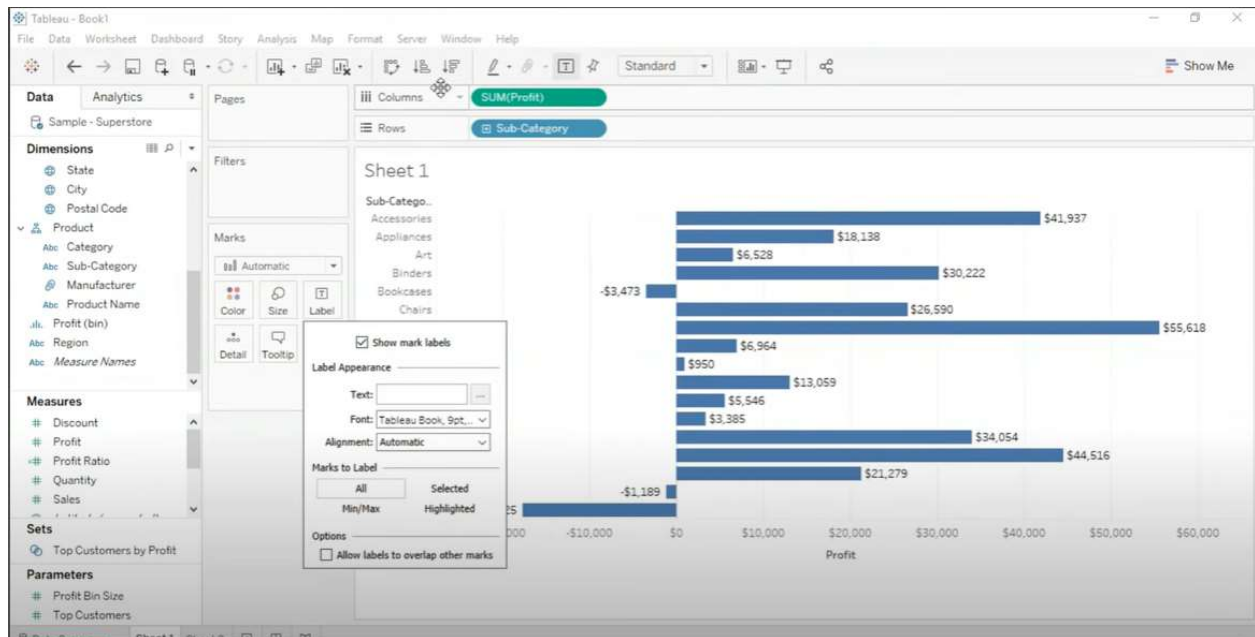
### LOD EXPRESSIONS

LOD Expressions provide a way to easily compute aggregations that are not at the level of detail of the visualization. We can then integrate those values within visualizations in arbitrary ways.

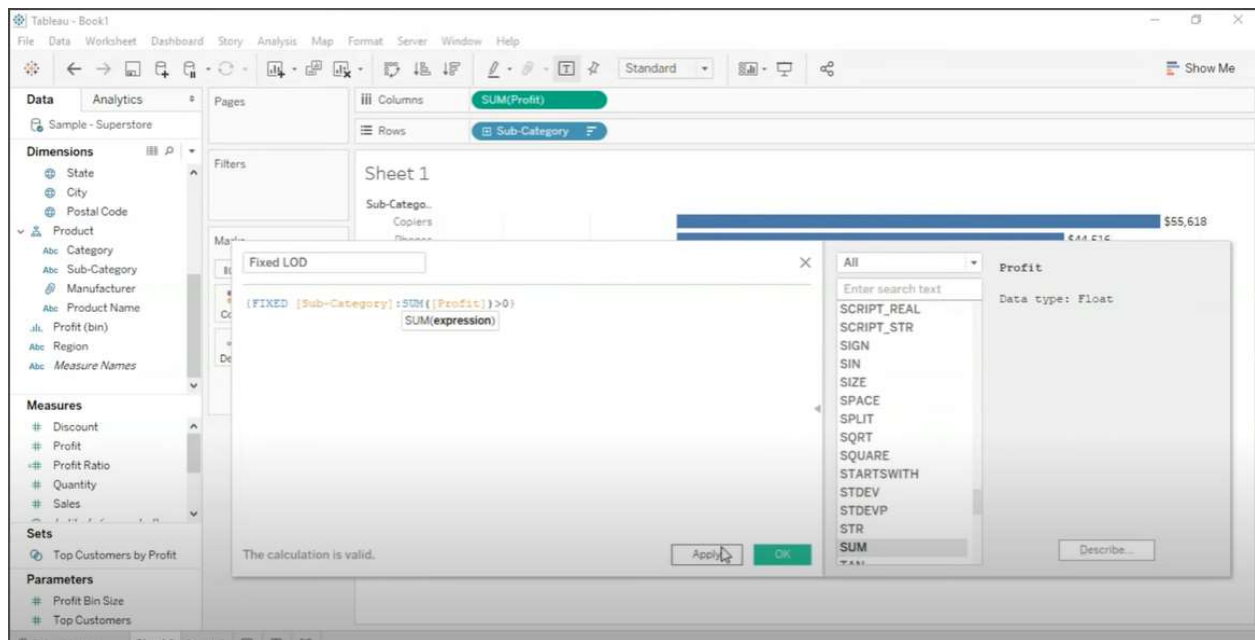
Bar Graph between Sub category and sum of profits



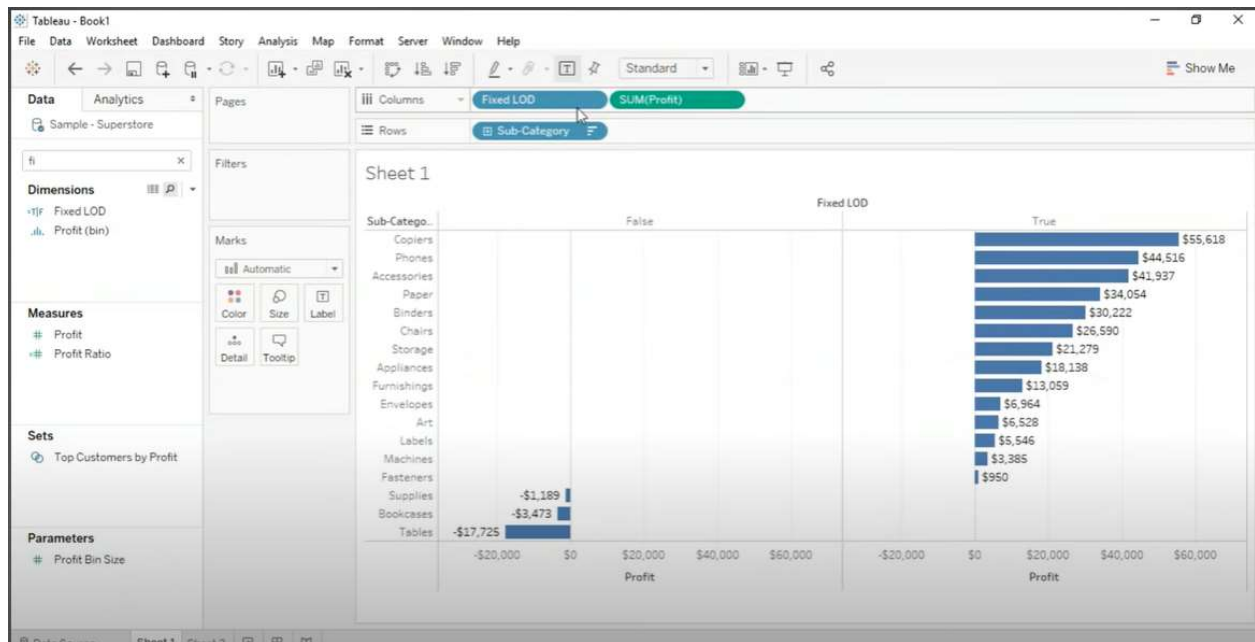
## Column Chart with marked labels



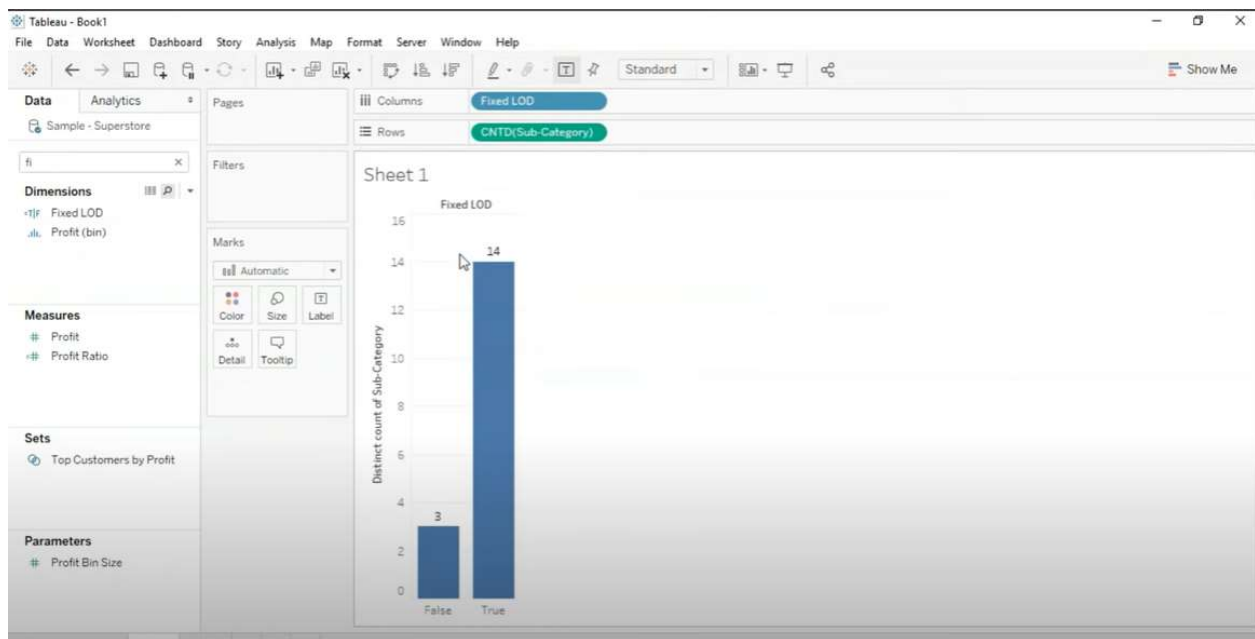
## Creating Fixed LOD calculation



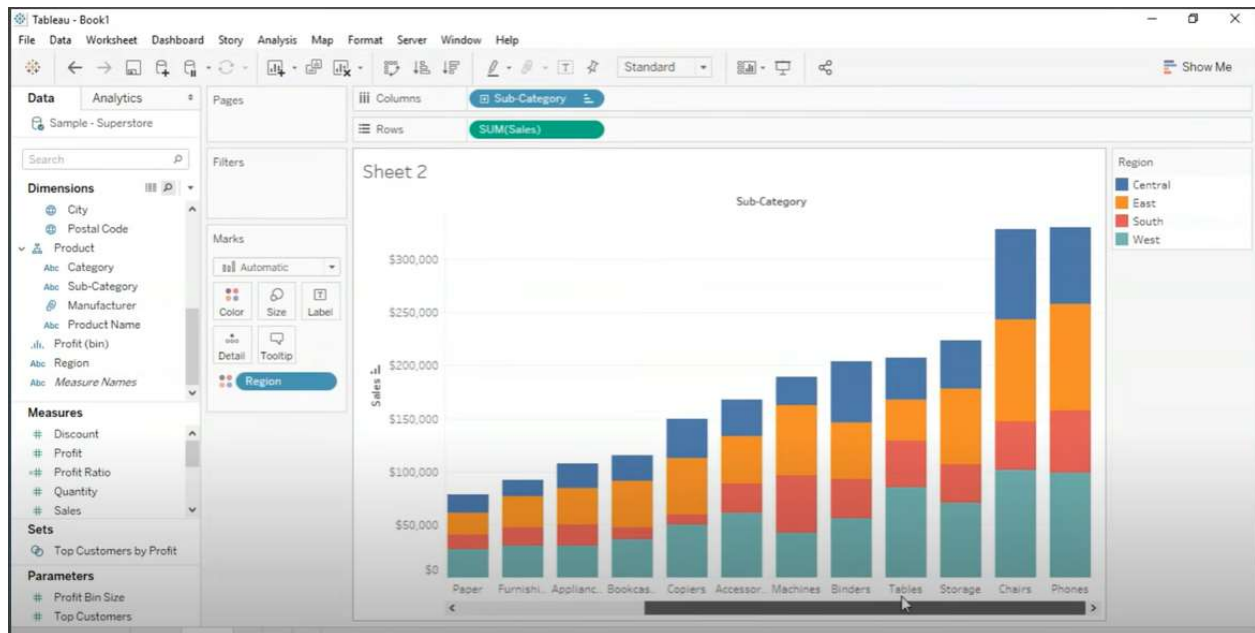
## Adding Fixed LOD towards column side



## Distinct count of Sub Category in Fixed LOD



Between Sub Category and sum of sales

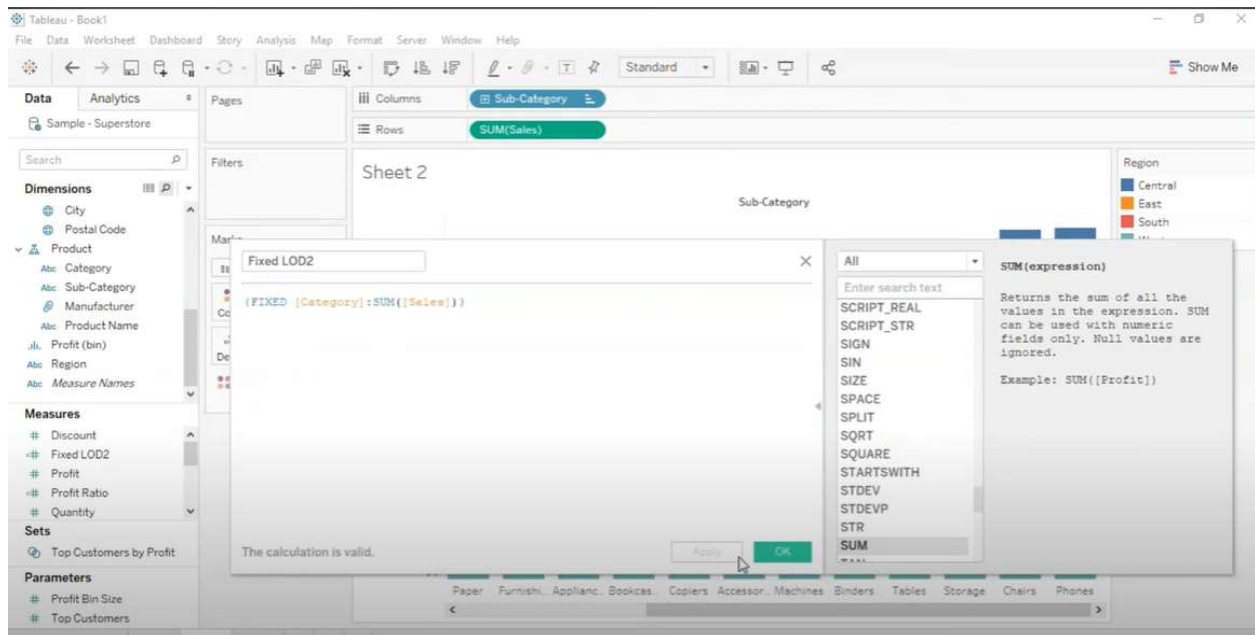


Sum of sales category wise

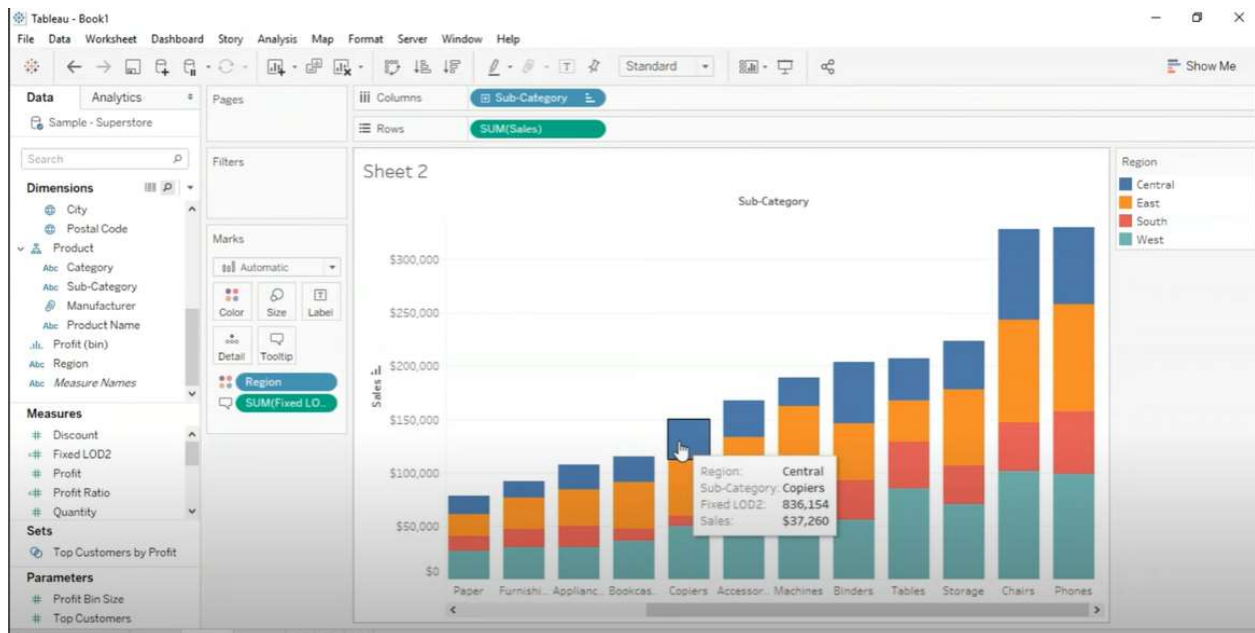
This Tableau screenshot displays a table titled 'Category' on 'Sheet 3'. The table shows the sum of sales for three categories: Furniture, Office Supplies, and Technology. The y-axis represents the sum of sales, and the x-axis represents the category. The legend indicates four regions: Central (blue), East (orange), South (red), and West (teal). The table shows that Technology has the highest total sales, followed by Office Supplies, and then Furniture.

Category	Sum of Sales
Furniture	\$742,000
Office Supplies	\$719,047
Technology	\$836,154

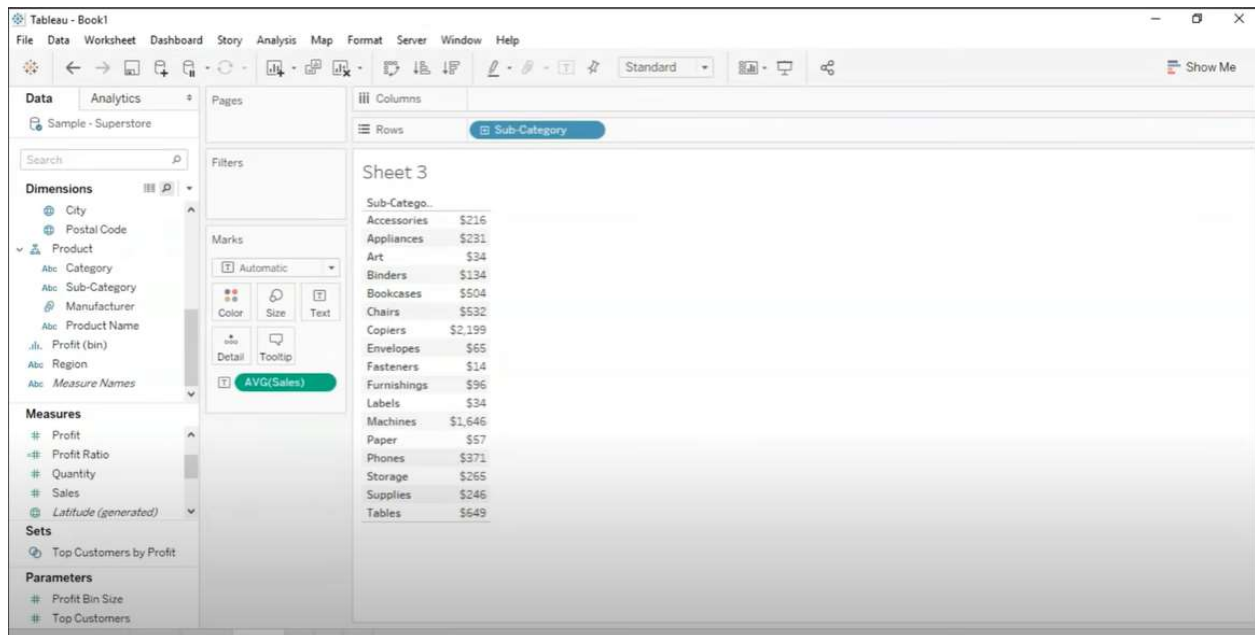
## Creating new LOD by fixing category to sum of sales



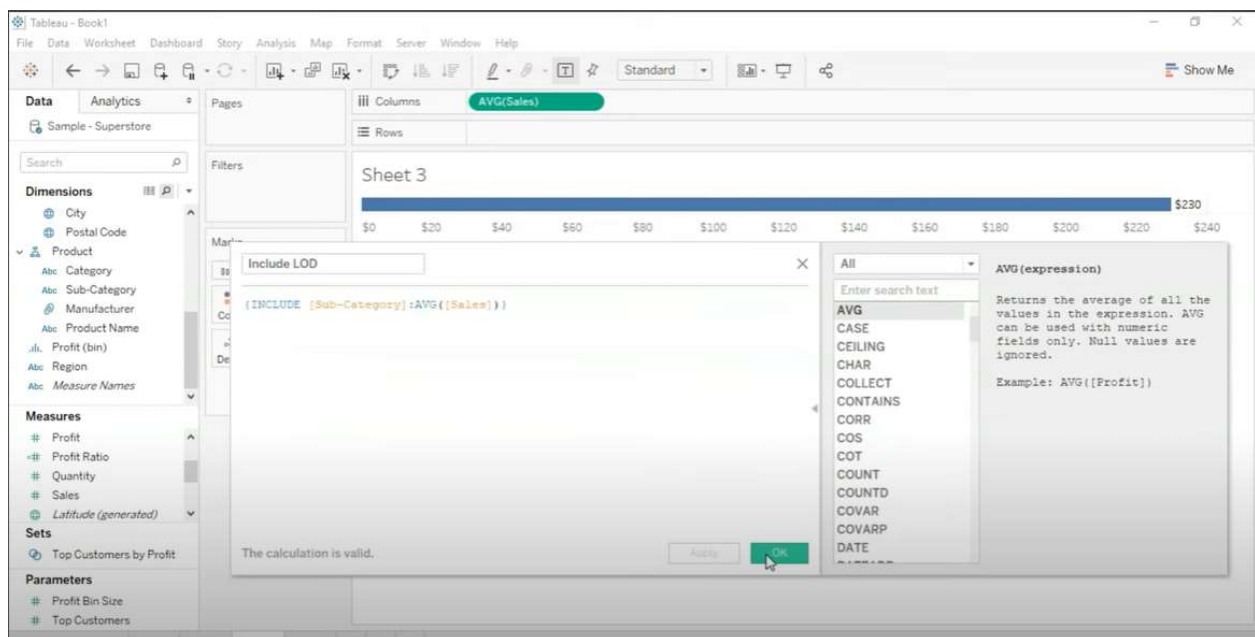
## Adding Fixed LOD2 to tooltip



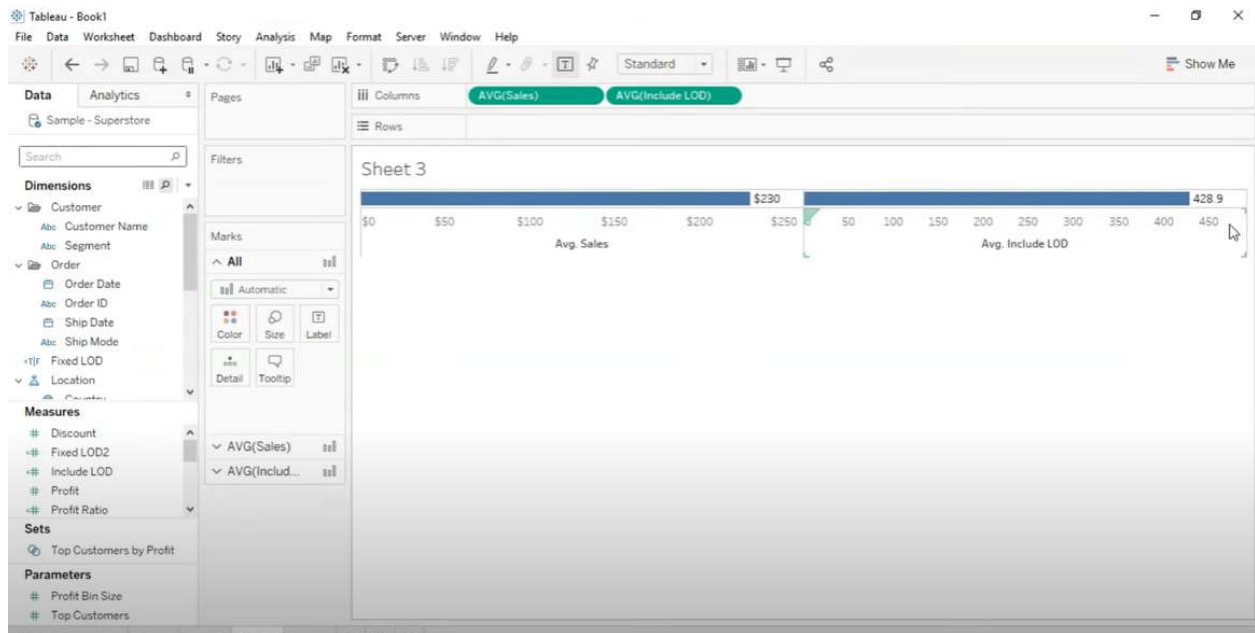
## Average sales - sub category wise



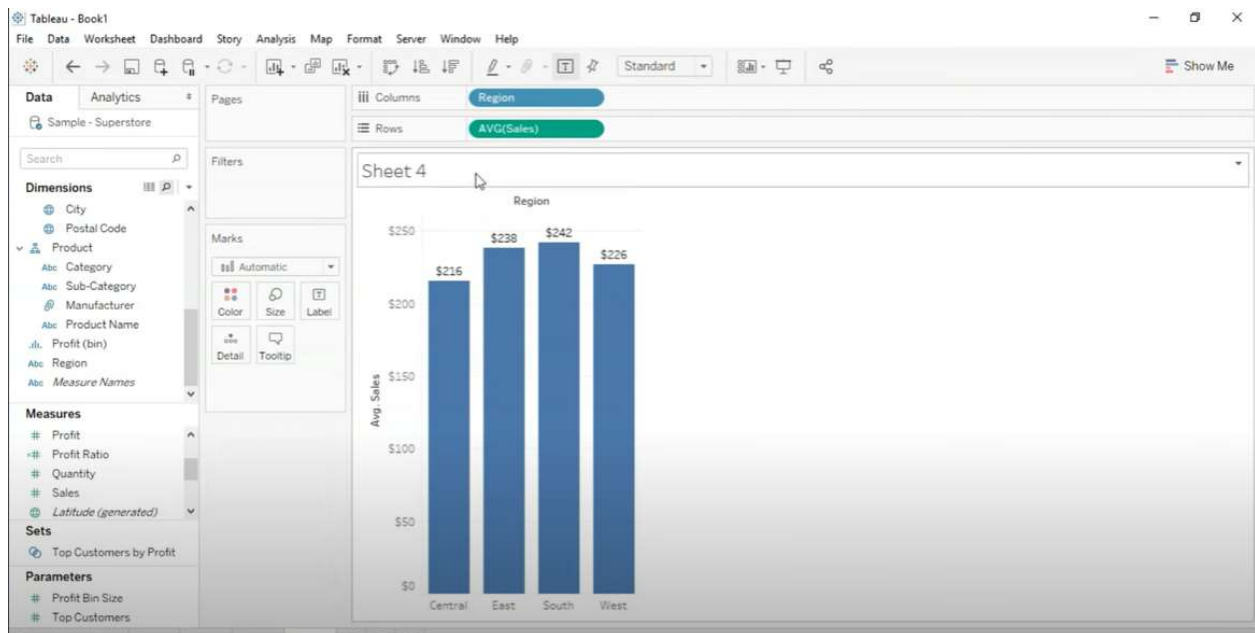
## Creating new LOD for average of sales



## Average of sales included with new LOD

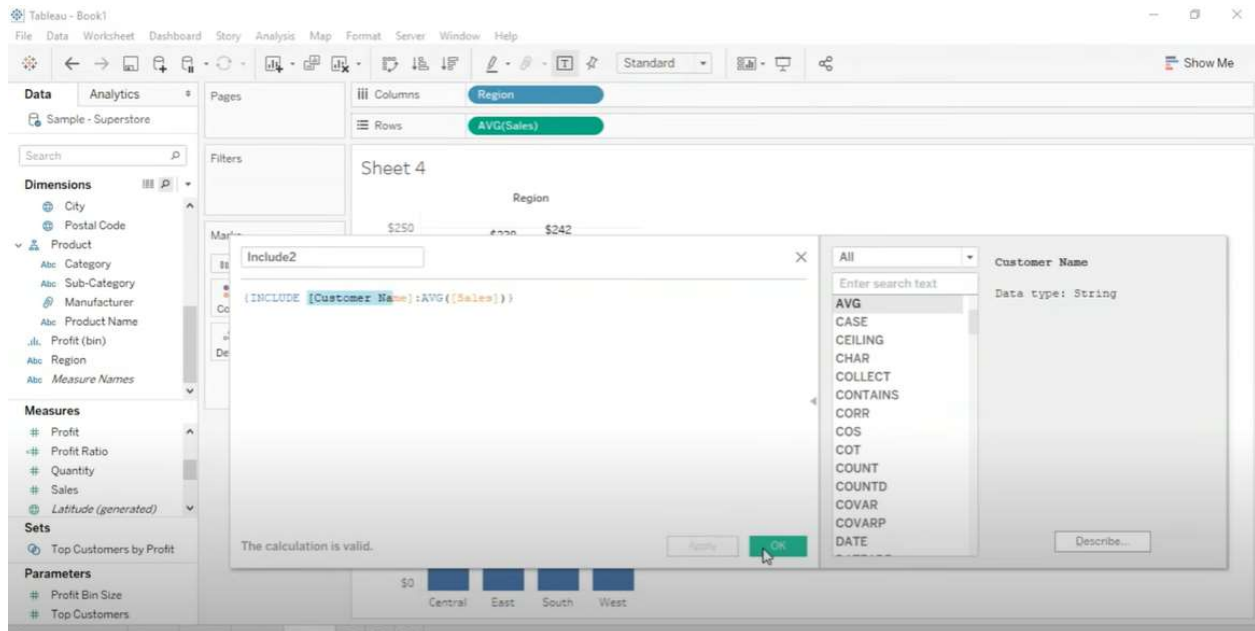


## Region wise average sales

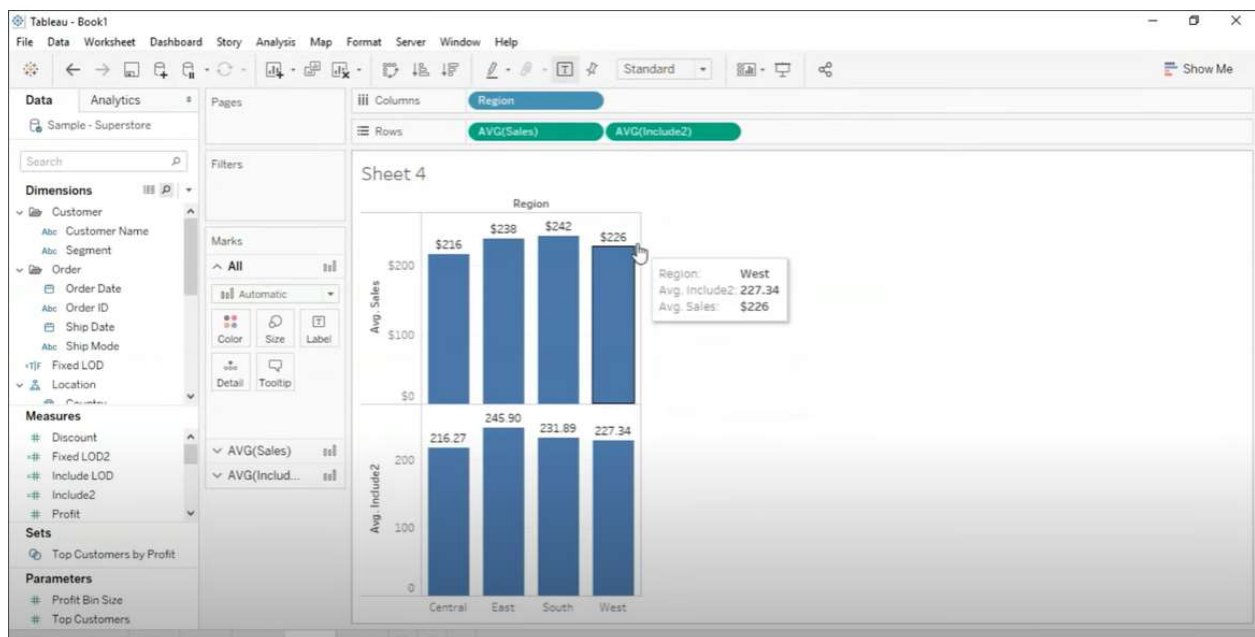




## New calculation with customers

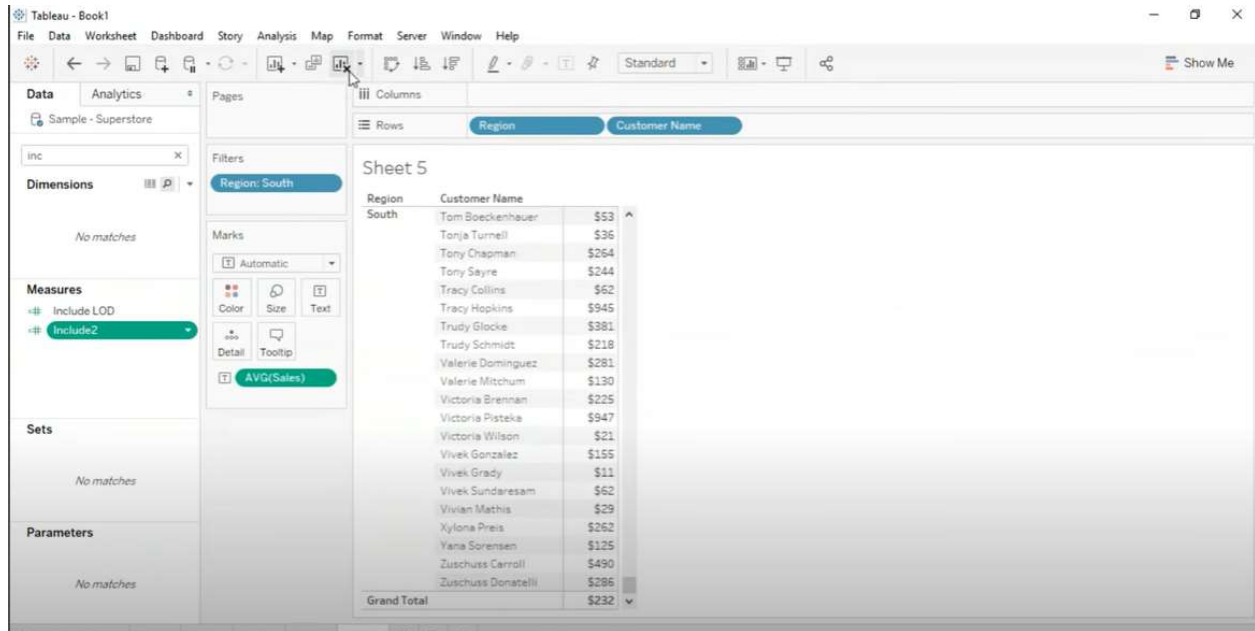


## With LOD -

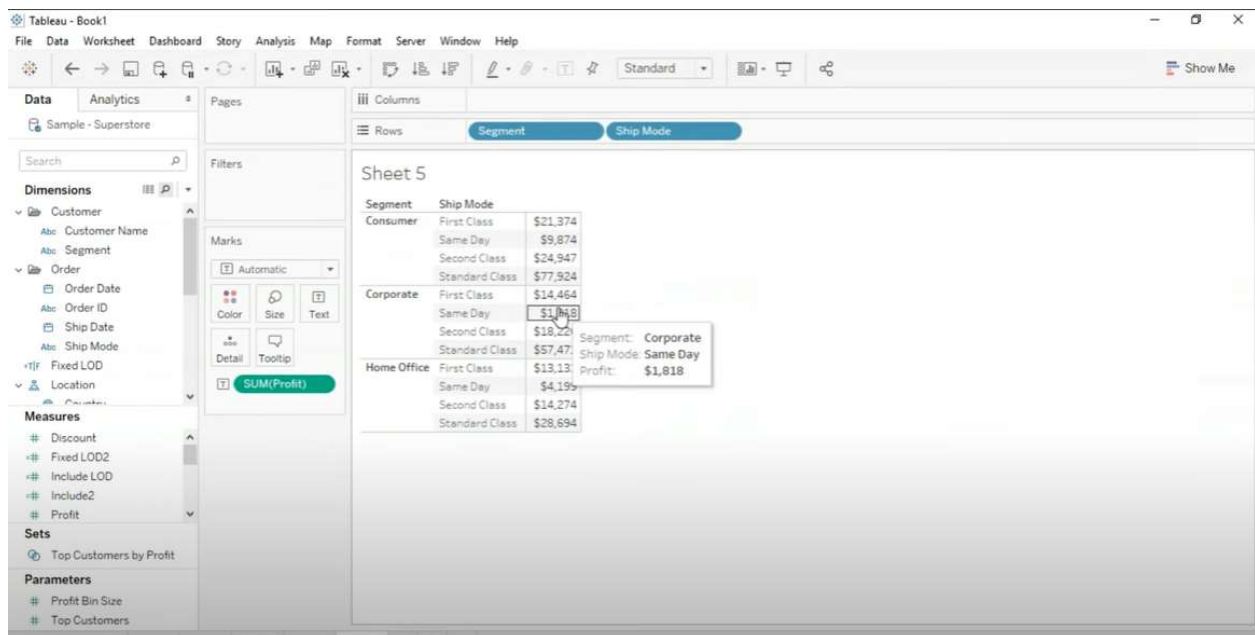




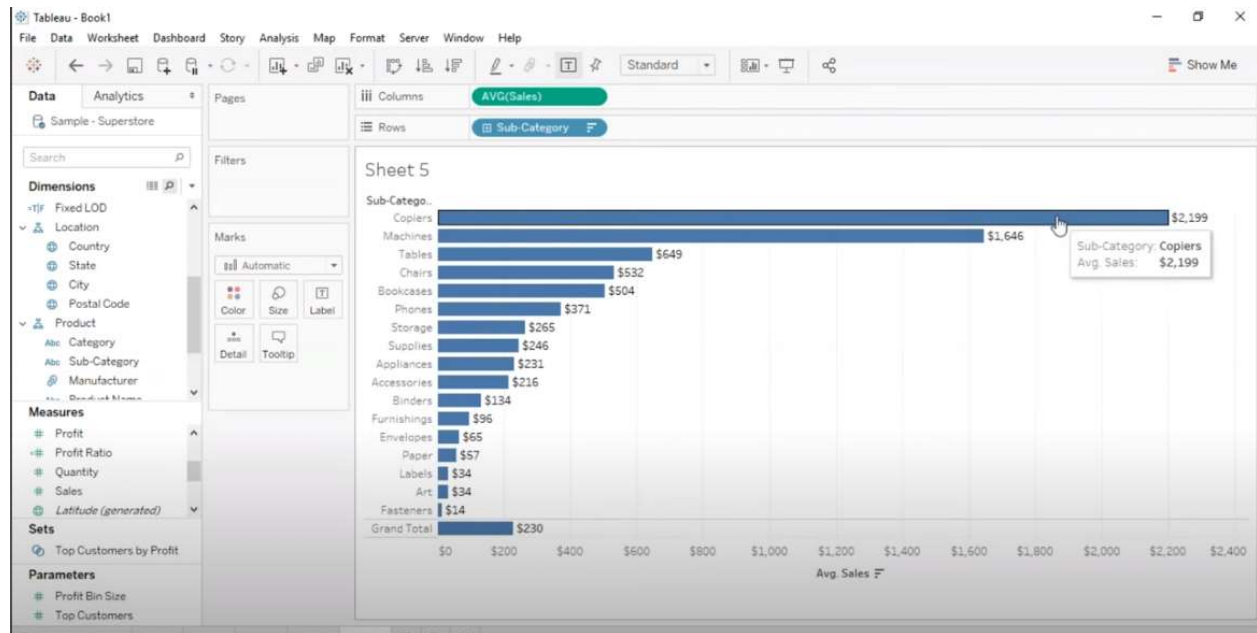
## Average sales of customers from south region



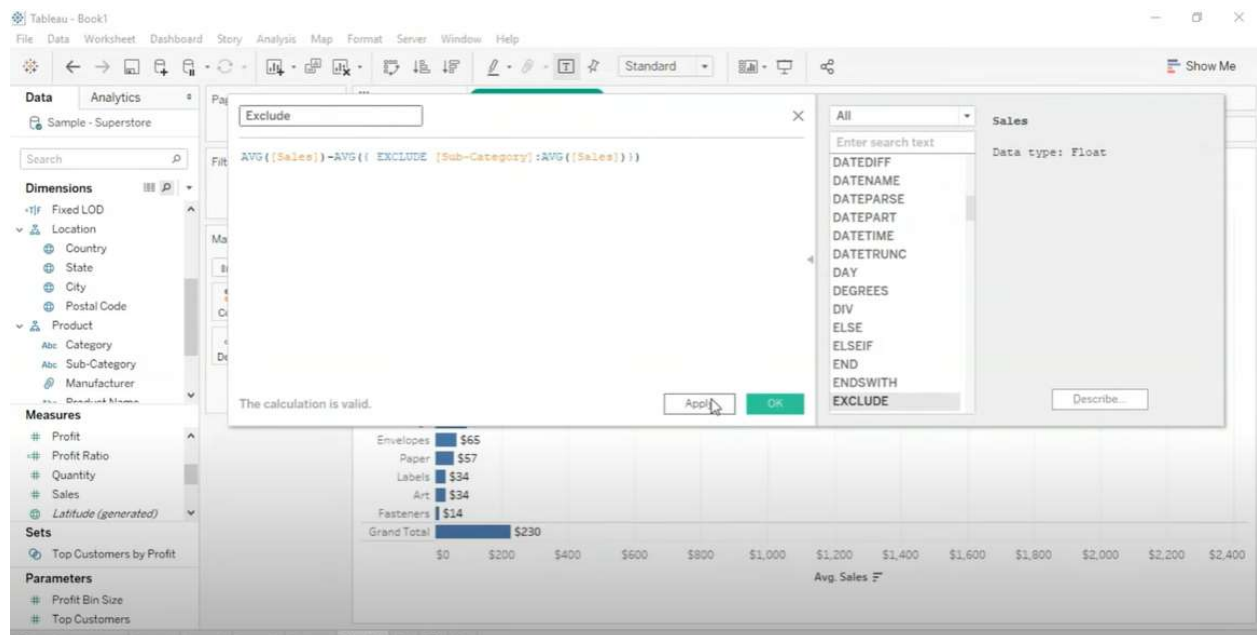
## Sum of profits of each segment with shipping mode



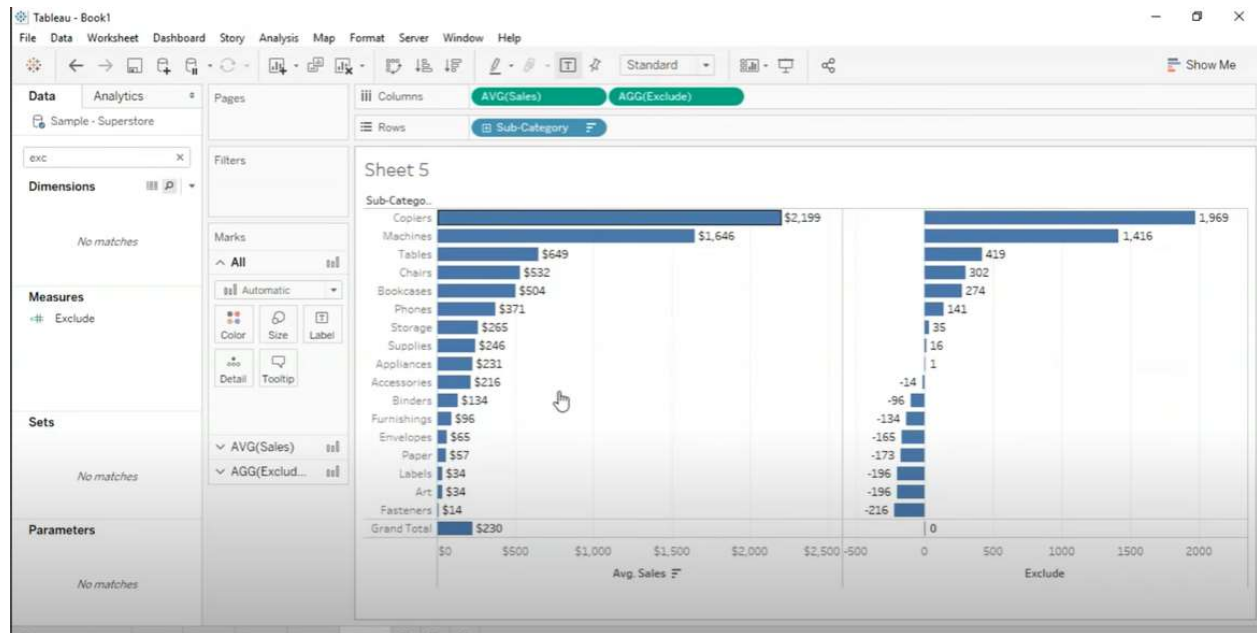
## Average of sales sub category wise



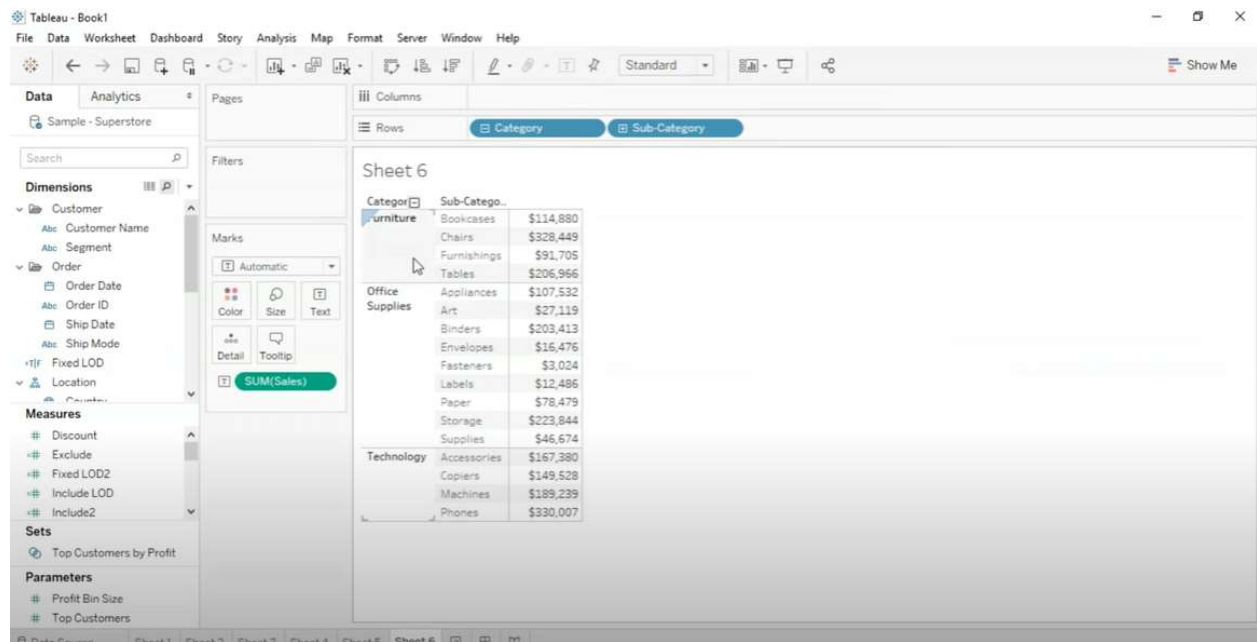
## Creating new LOD



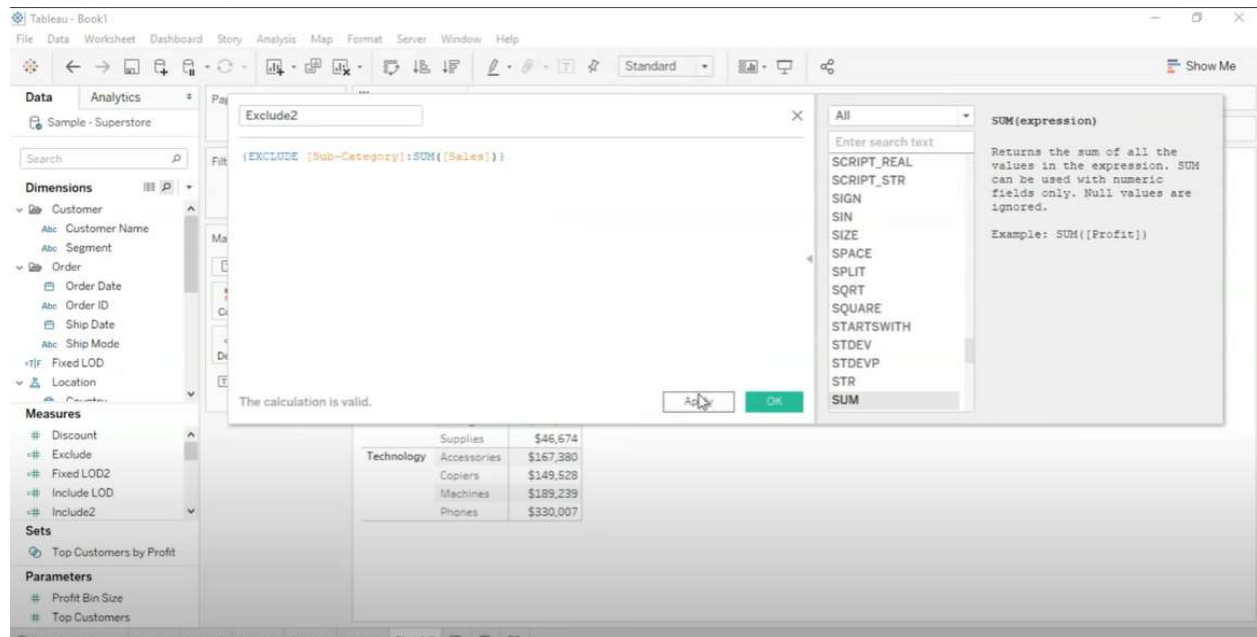
With LOD



Sum of sales for category and sub category



## Excluding sub category to sum of sales New LOD expression



## With new expression

