

# Assignment 4

## Data Analytics

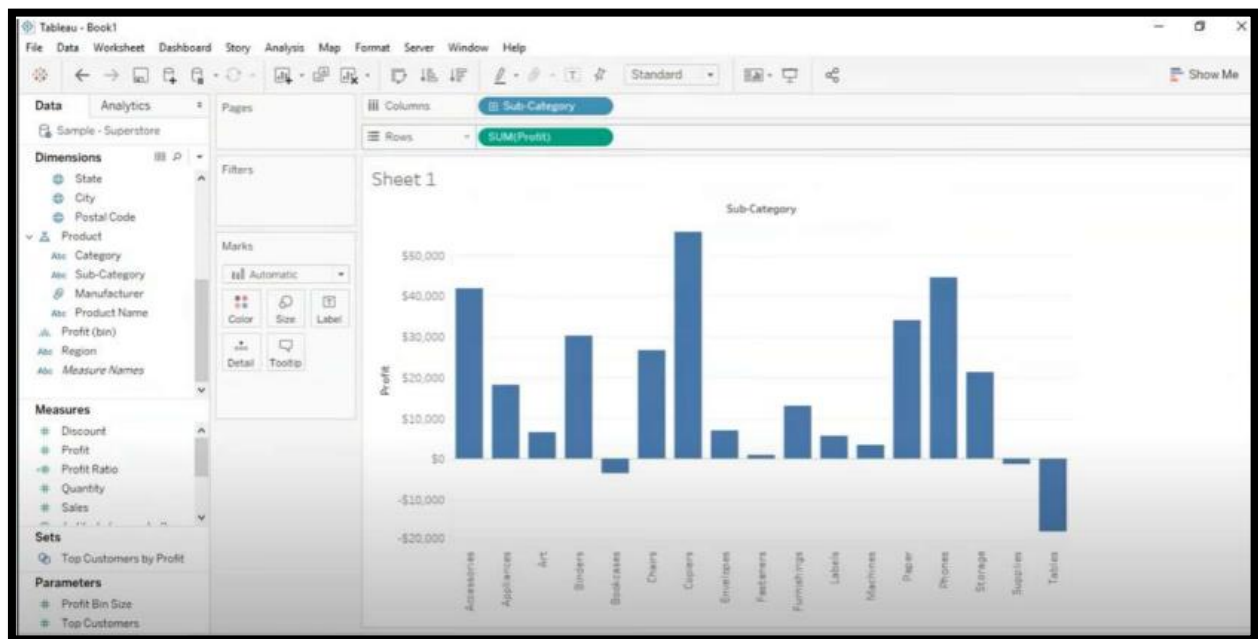
**Name:** Sollety Sujan Kumar

**Registration number:** 21BCE5667

### LOD EXPRESSIONS

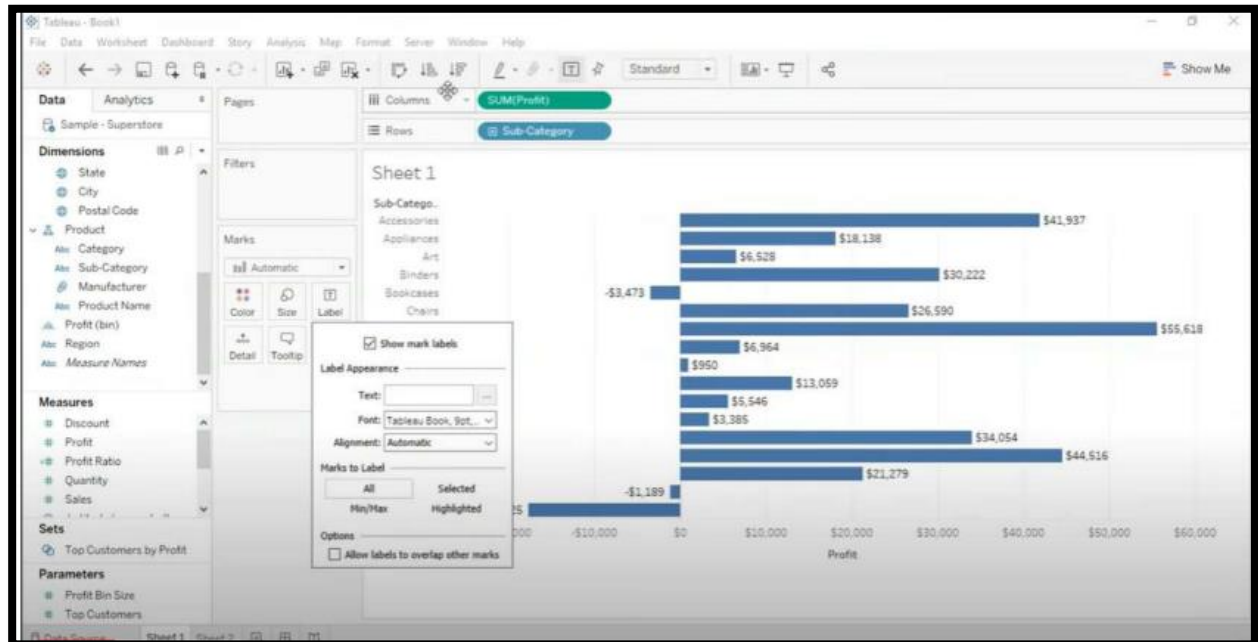
LOD Expressions provide a way to easily compute aggregations that are not at the level of detail of the visualization. We can then integrate those values within visualizations in arbitrary ways.

### Bar Graph between Sub category and sum of profits

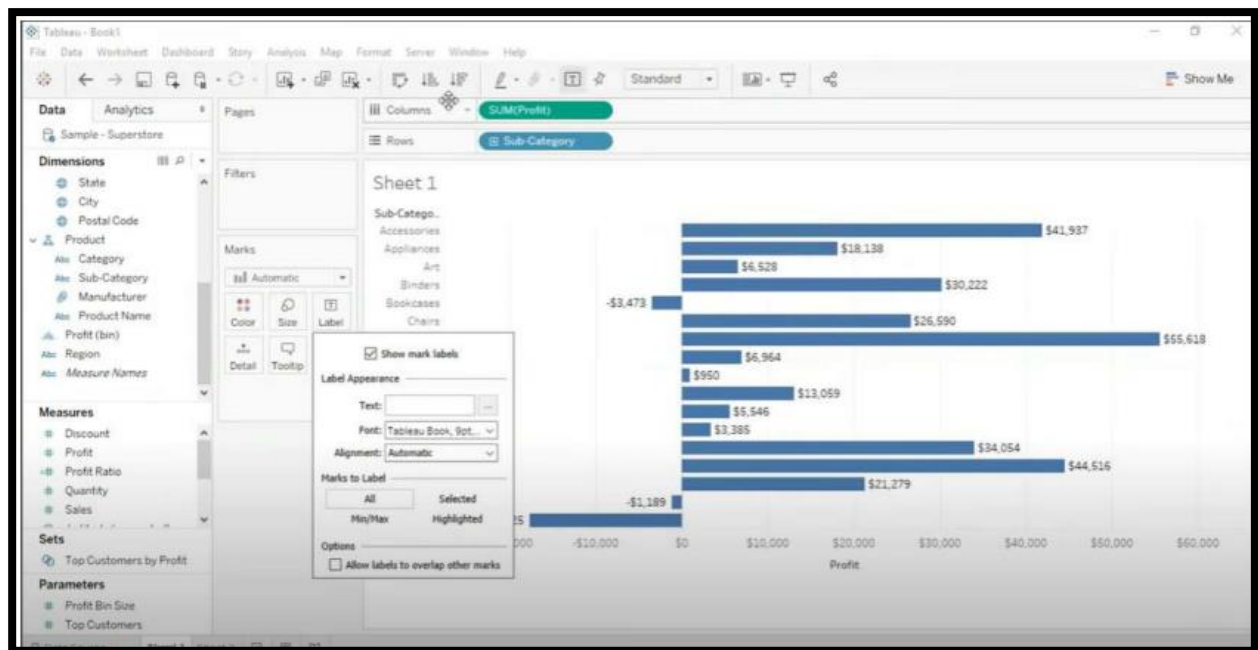


## Column Chart with marked labels

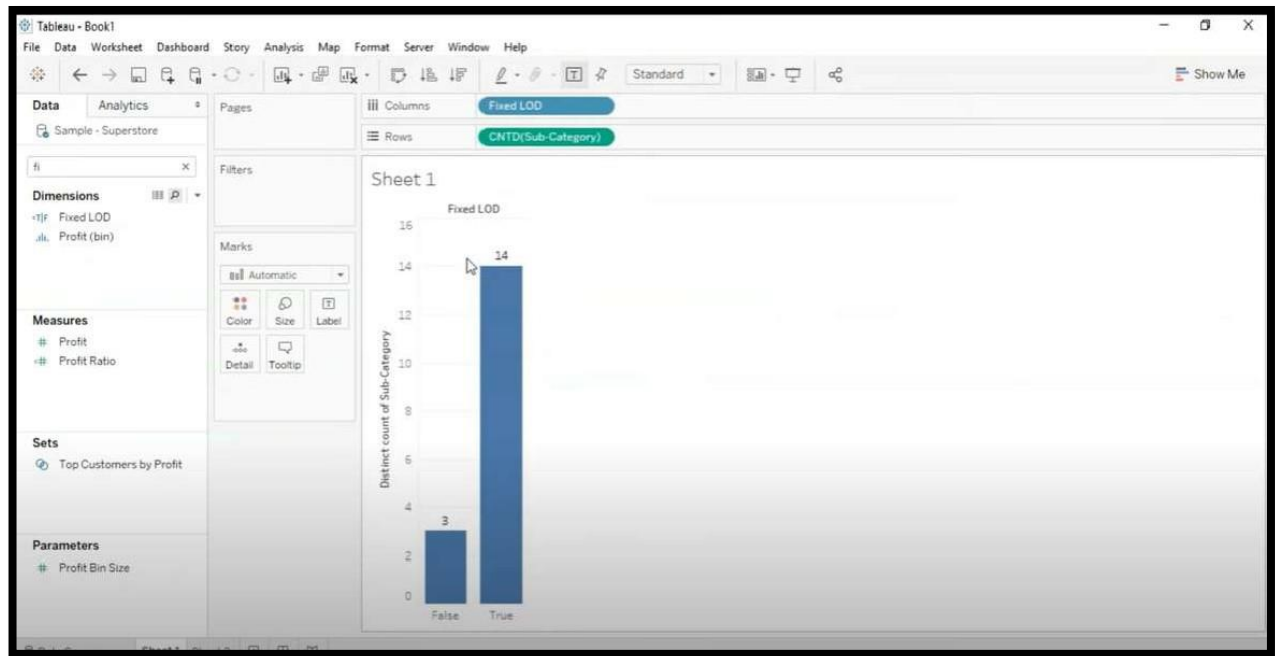
### Creating Fixed LOD calculation



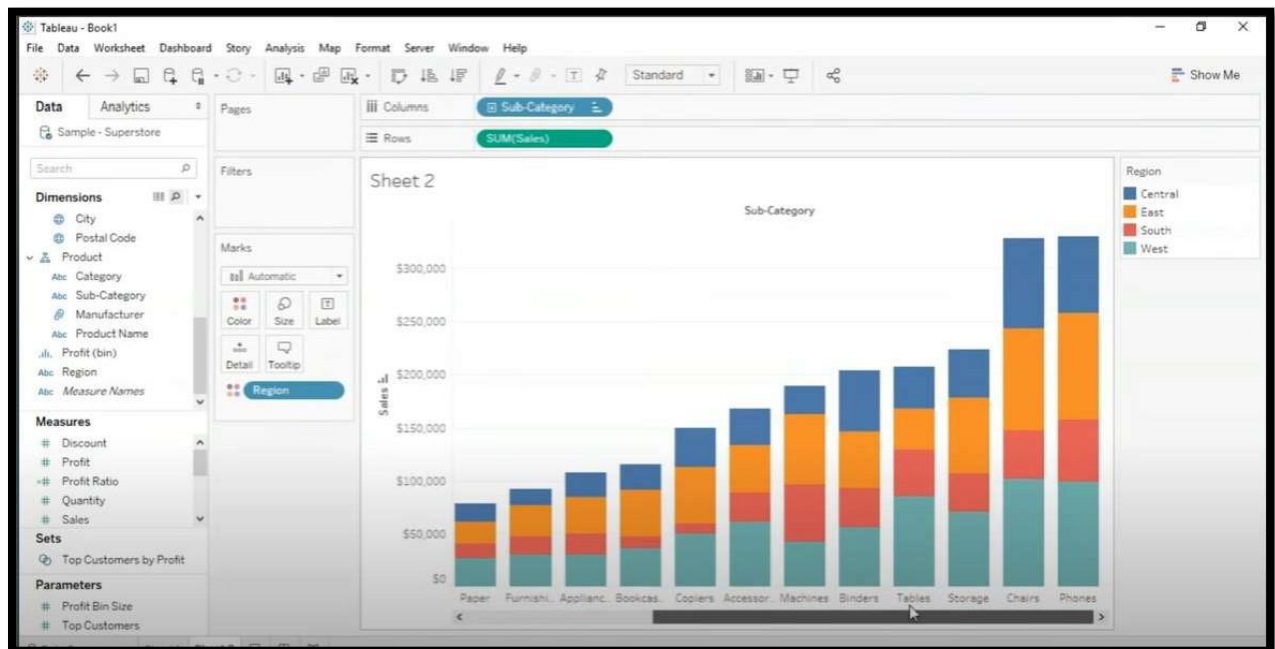
### Adding Fixed LOD towards column side



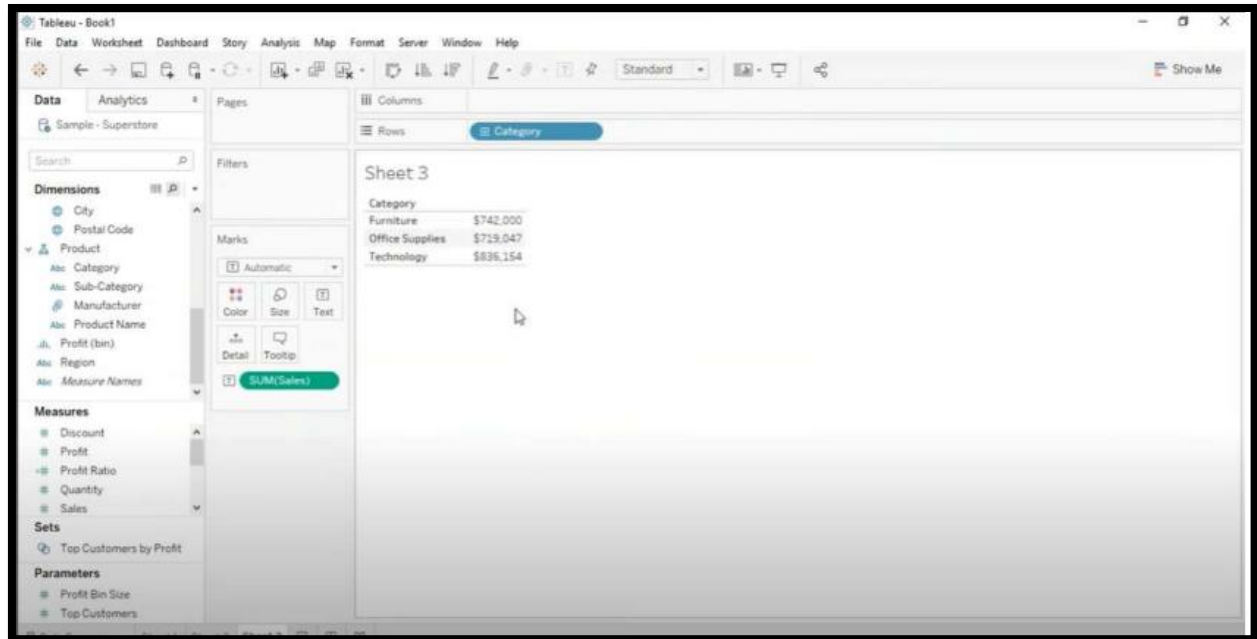
## Distinct count of Sub Category in Fixed LOD



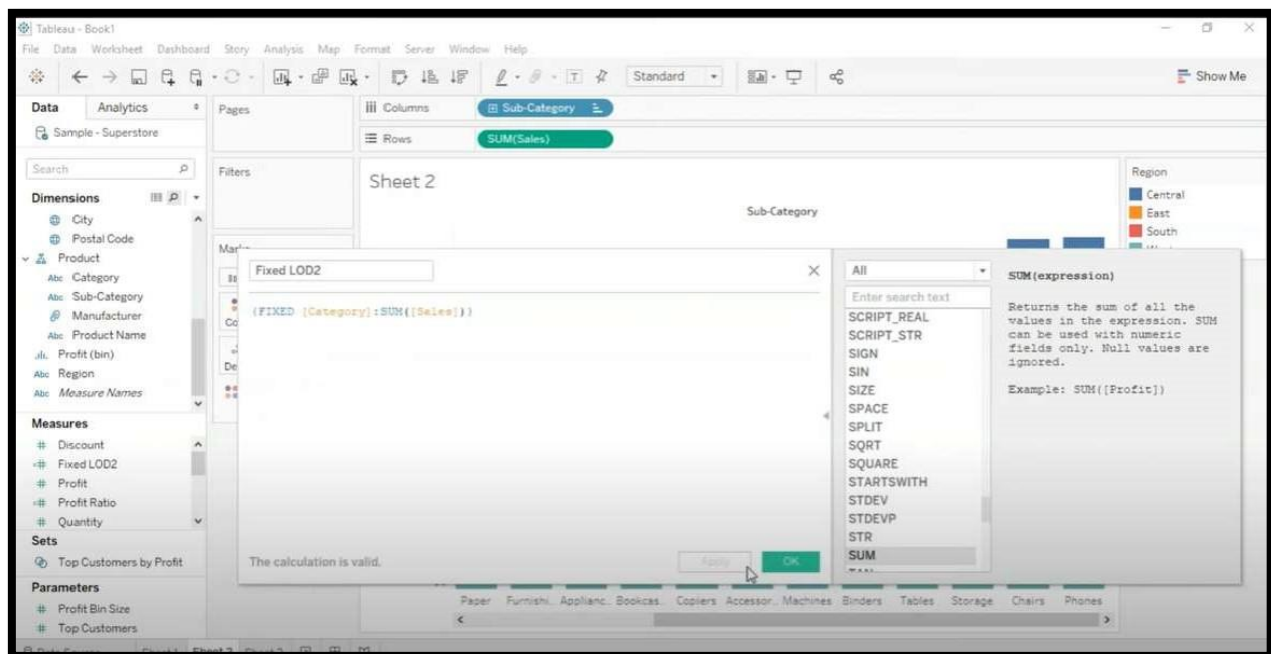
## Between Sub Category and sum of sales



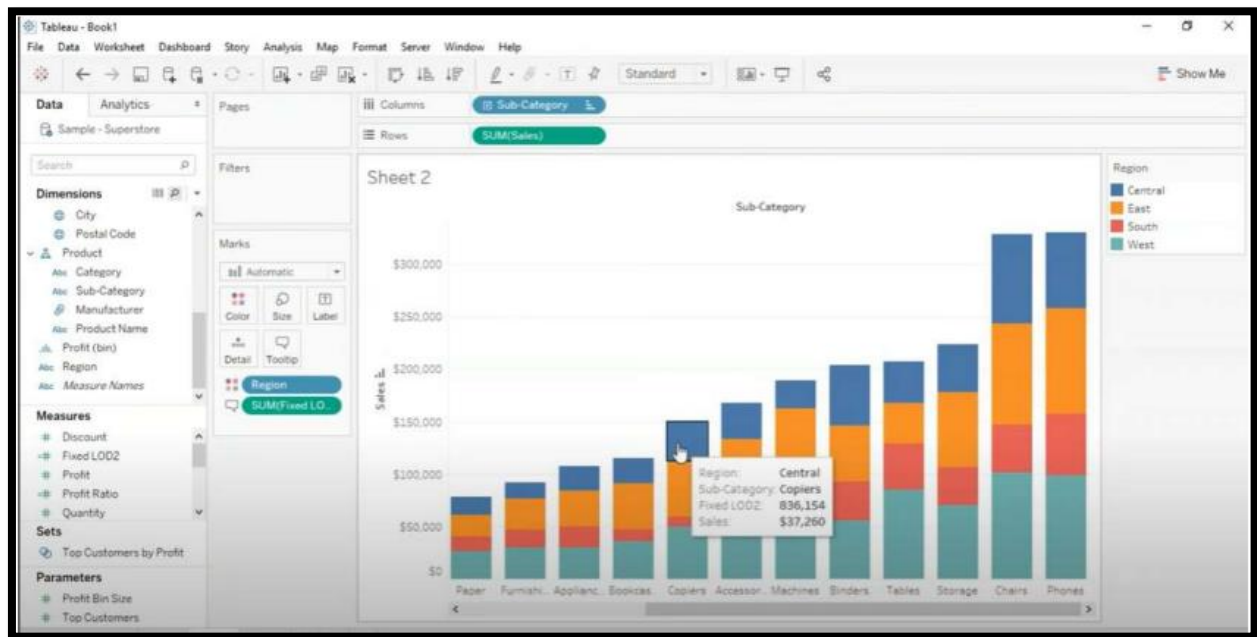
## Sum of sales category wise



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



## Adding Fixed LOD2 to tooltip



## Average sales - sub category wise

Tableau - Book1

File Data Worksheet Dashboard Story Analysis Map Format Server Window Help

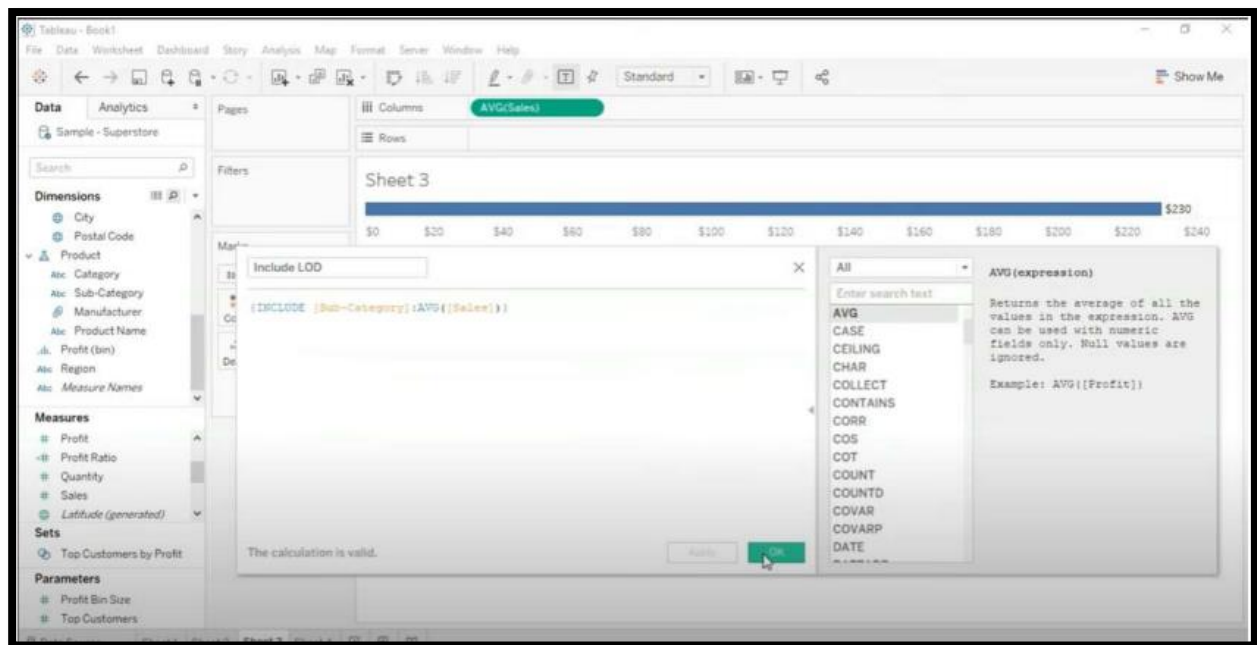
Columns: Sub-Category

Rows: AVG(Sales)

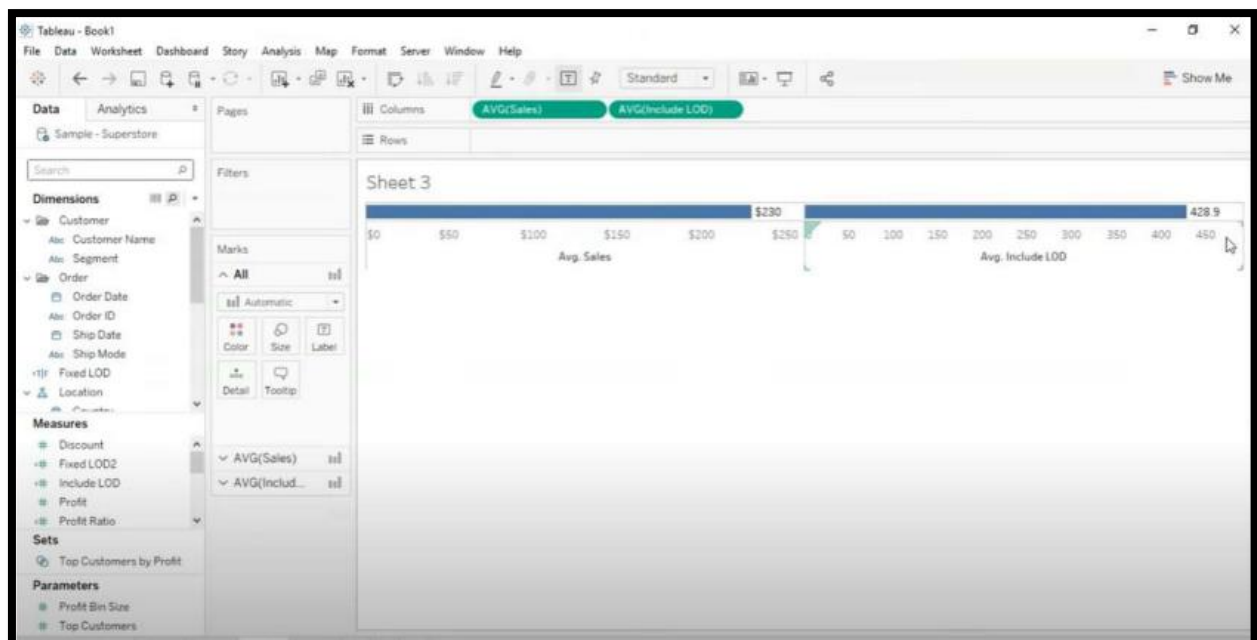
Sheet 3

Sub-Category	AVG(Sales)
Accessories	\$216
Appliances	\$231
Art	\$34
Binders	\$134
Bookcases	\$504
Chairs	\$532
Copiers	\$2,199
Envelopes	\$65
Fasteners	\$14
Furnishings	\$96
Labels	\$34
Machines	\$1,646
Paper	\$57
Phones	\$371
Storage	\$265
Supplies	\$246
Tables	\$649

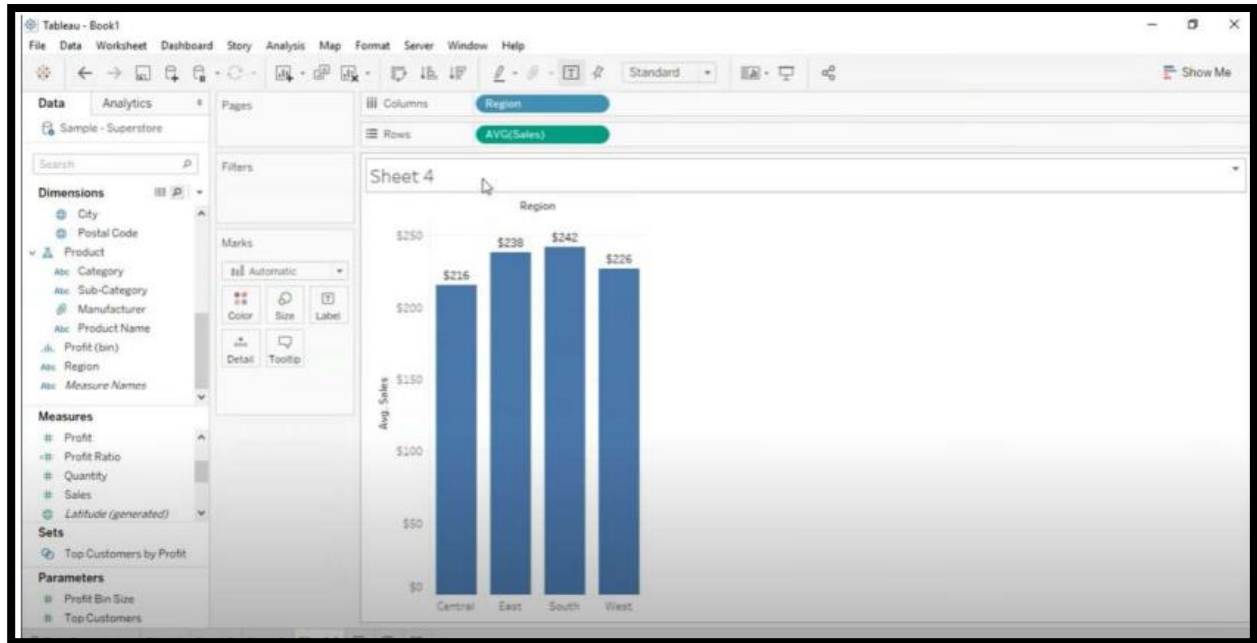
## Creating new LOD for average of sales



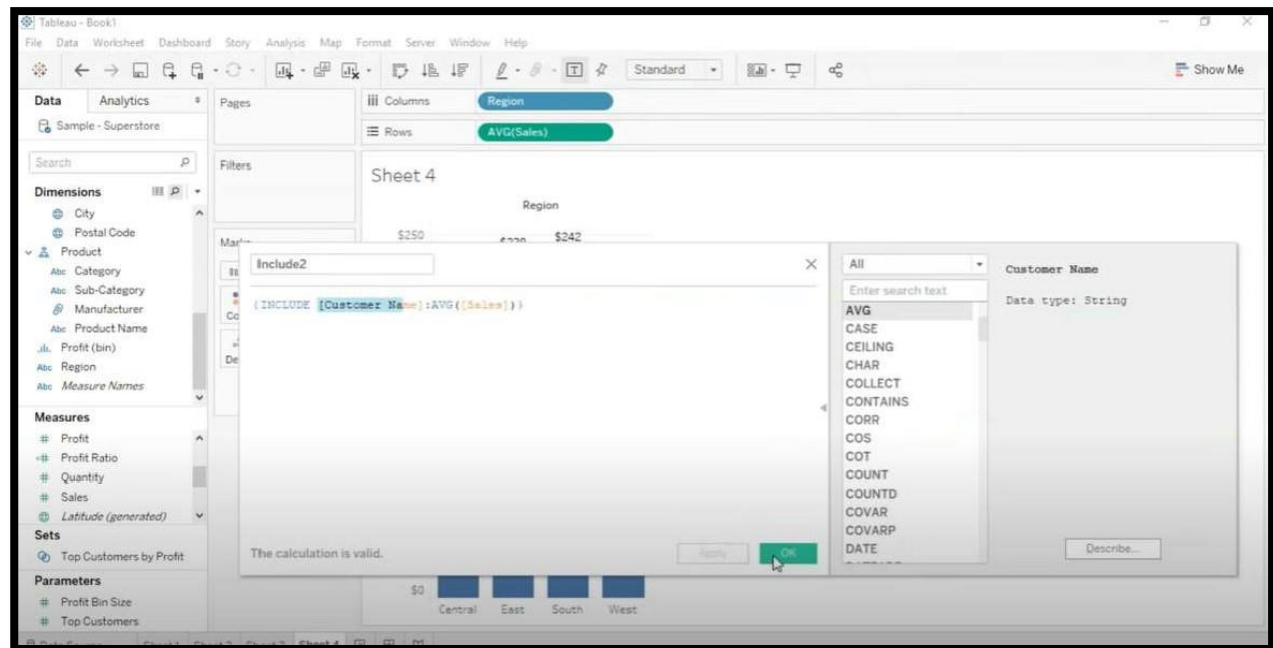
### Average of sales included with new LOD



## Region wise average sales

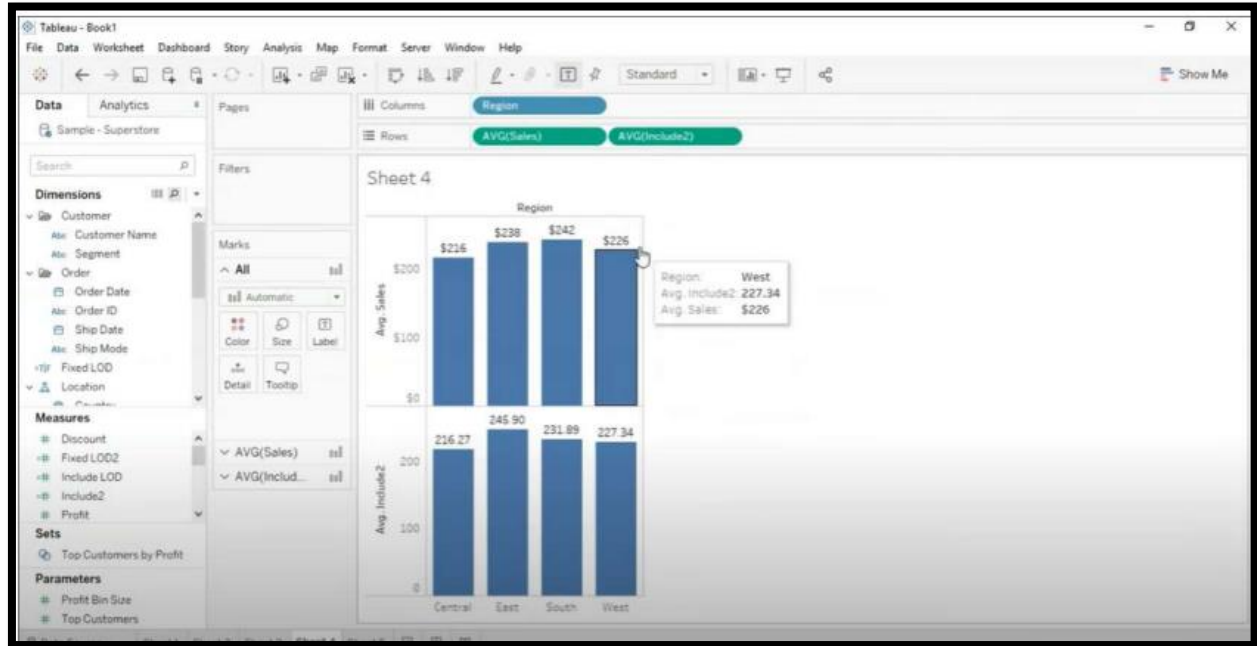


## New calculation with customers





## With LOD -



## Average sales of customers from south region

Tableau - Book1

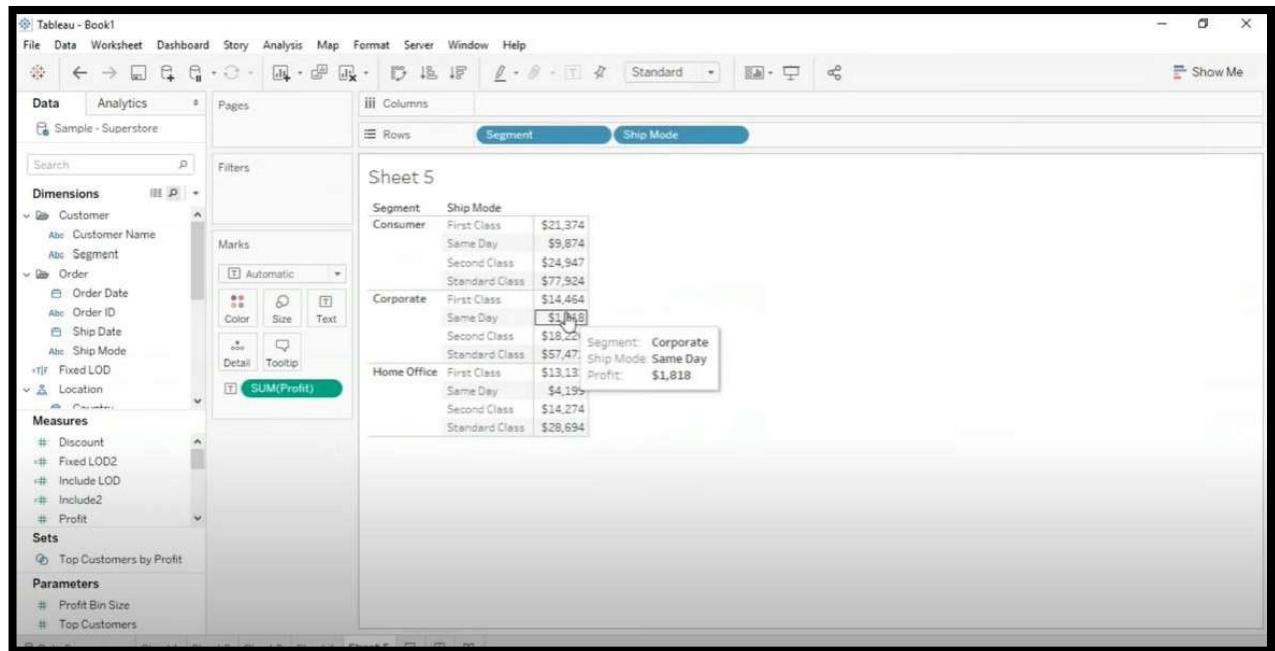
Columns: Region, Customer Name  
Rows: AVG(Sales)

Sheet 5

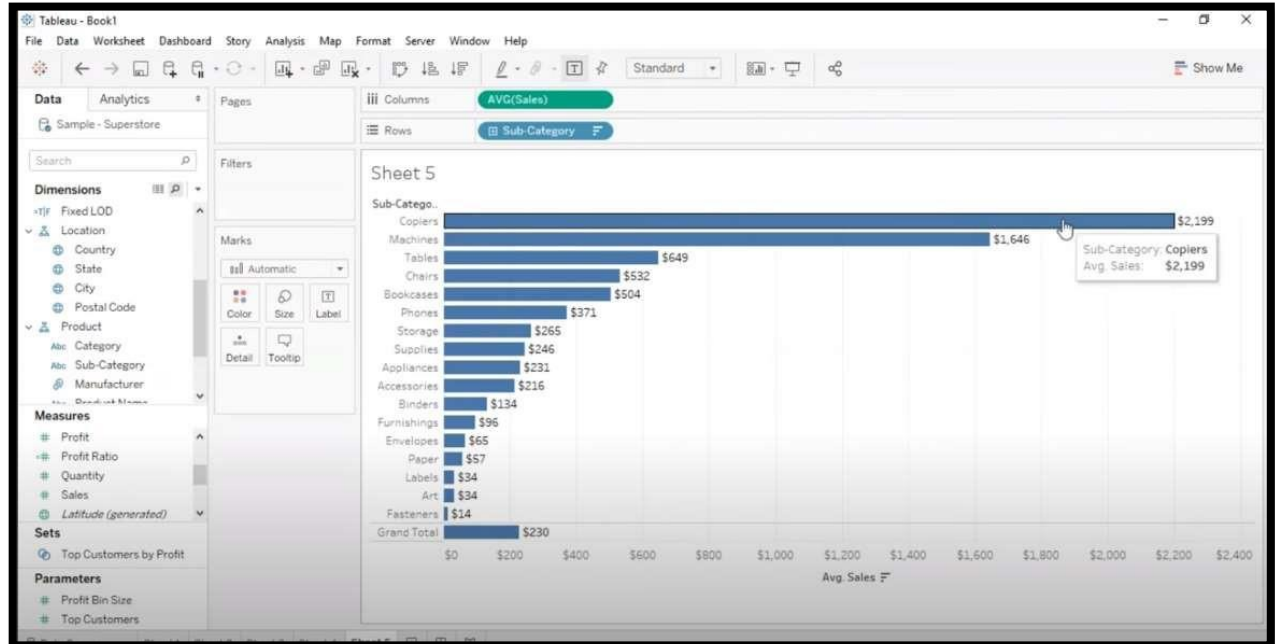
Region	Customer Name	AVG(Sales)
South	Tom Boeckenhauer	\$53
South	Tonja Turnell	\$36
South	Tony Chapman	\$264
South	Tony Seyre	\$244
South	Tracy Collins	\$62
South	Tracy Hopkins	\$945
South	Trudy Glocks	\$381
South	Trudy Schmitt	\$218
South	Valerie Dominguez	\$281
South	Valerie Mitchum	\$130
South	Victoria Brennan	\$225
South	Victoria Pistake	\$947
South	Victoria Wilson	\$21
South	Vivek Gonzalez	\$155
South	Vivek Grady	\$11
South	Vivek Sunderesam	\$62
South	Vivian Mathis	\$29
South	Xylona Price	\$262
South	Yane Sorensen	\$125
South	Zuschuss Carroll	\$490
South	Zuschuss Donatelli	\$288
Grand Total		\$232



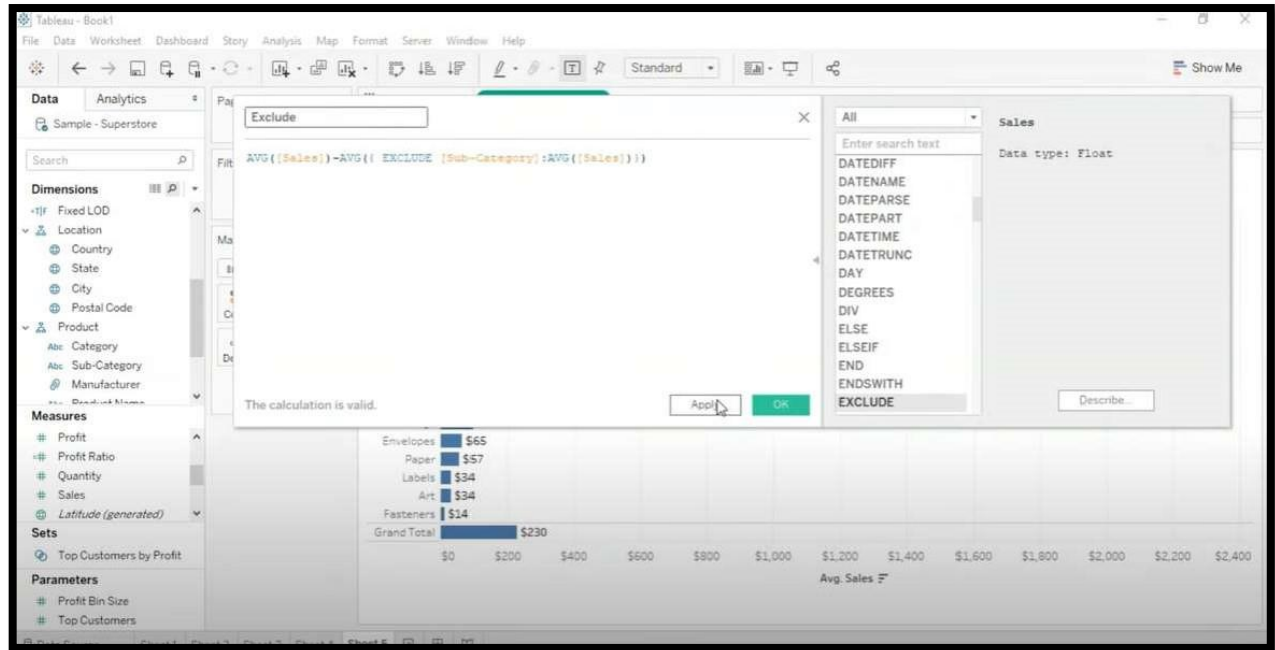
## Sum of profits of each segment with shipping mode



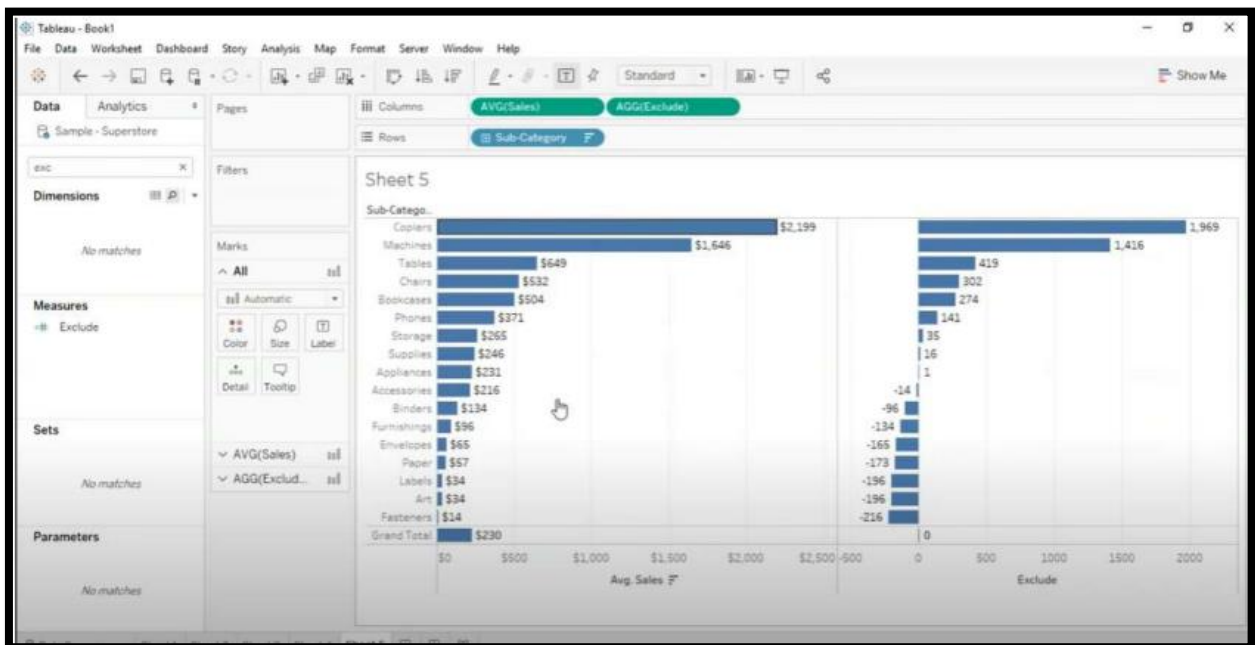
## Average of sales sub category wise



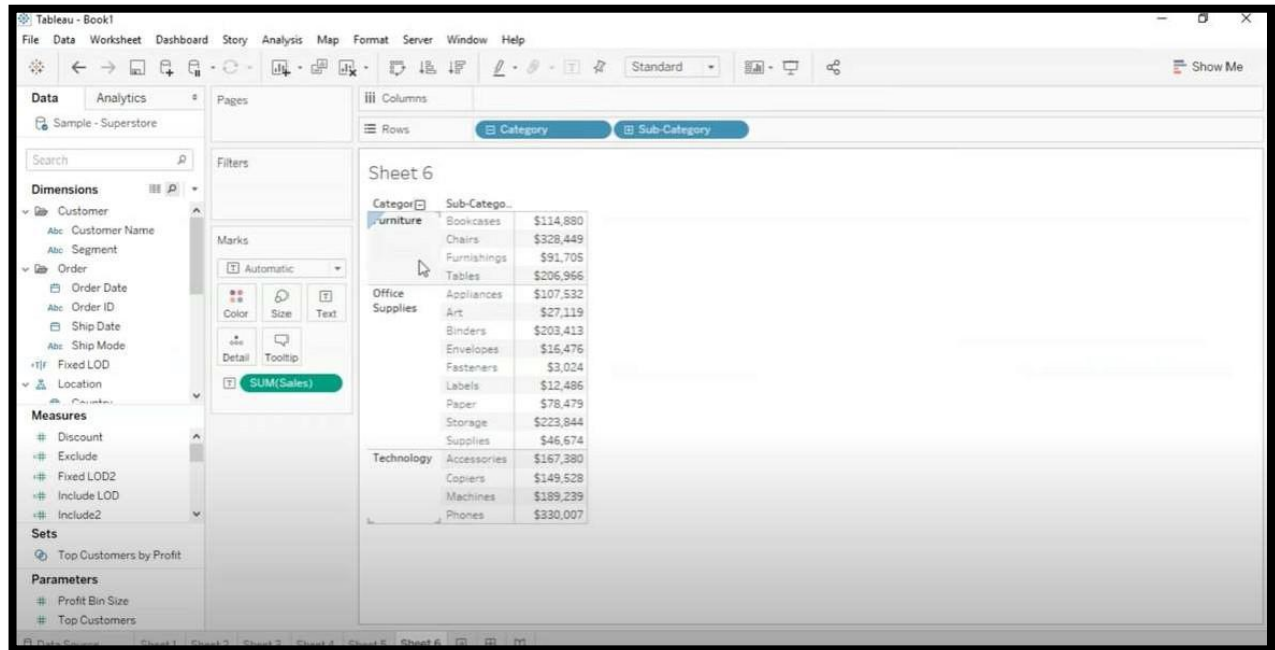
## Creating new LOD



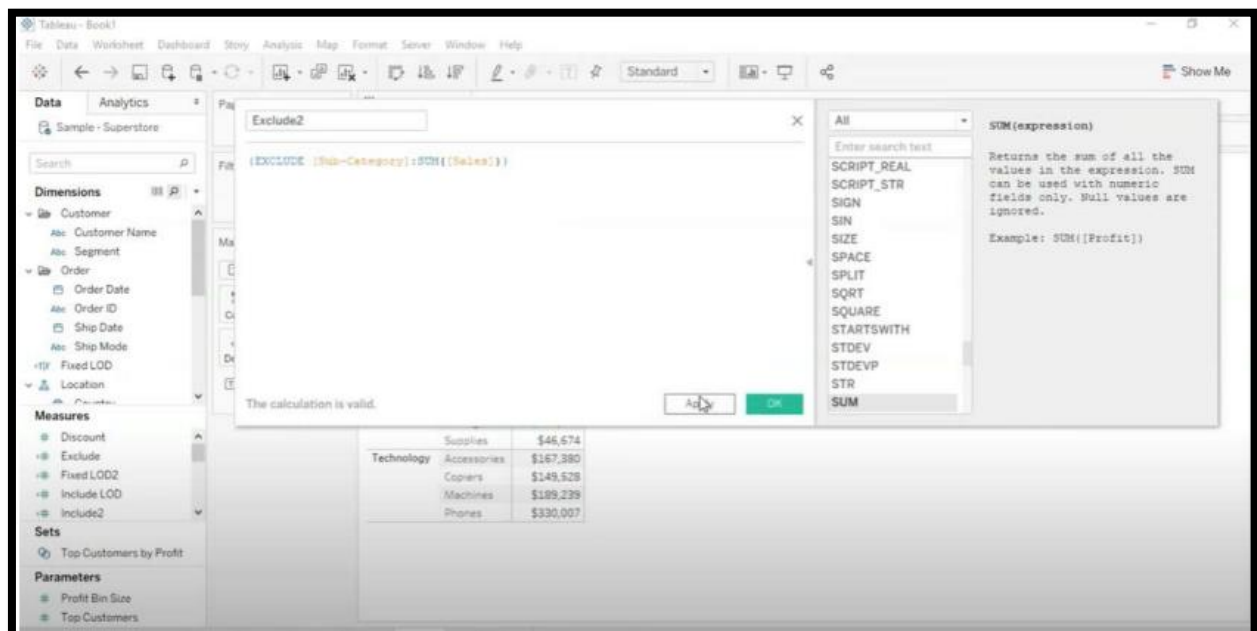
## With LOD



## Sum of sales for category and sub category



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



## With new expression

