Module 6: Level Of Detail (LOD) Expressions Tableau

Use Case- II

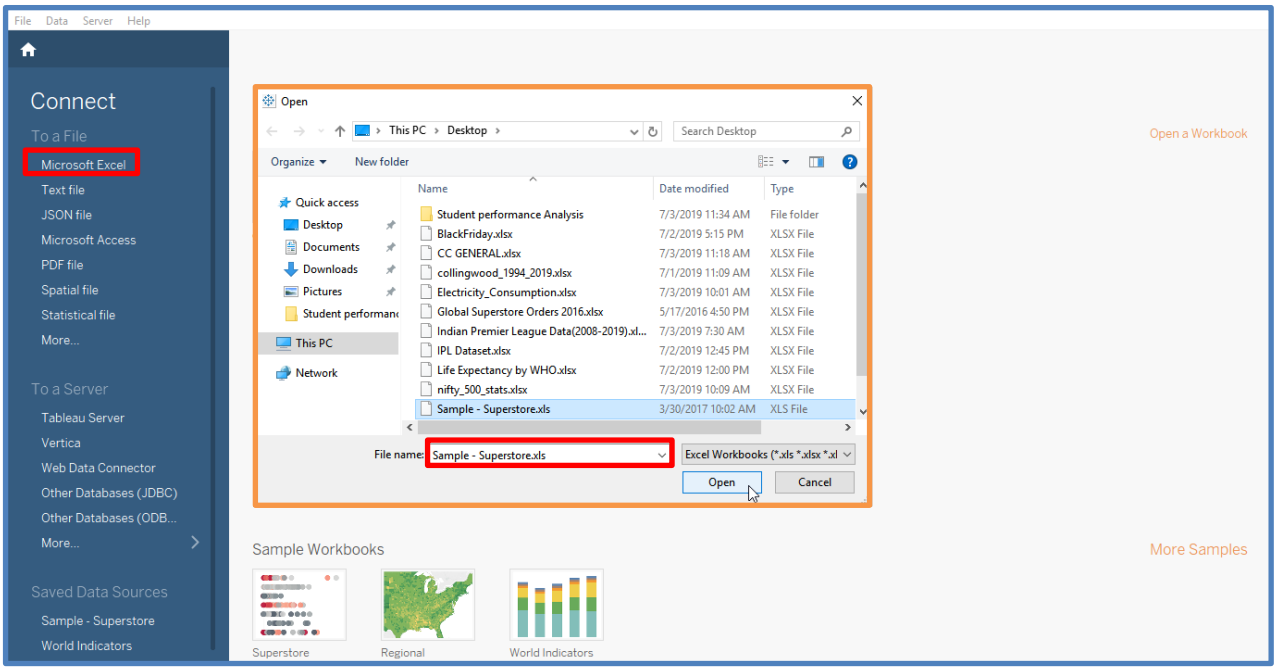
Use Case II: Profit Per Business Day

Using “Global Superstore Dataset”, create a report on Profit per business day.

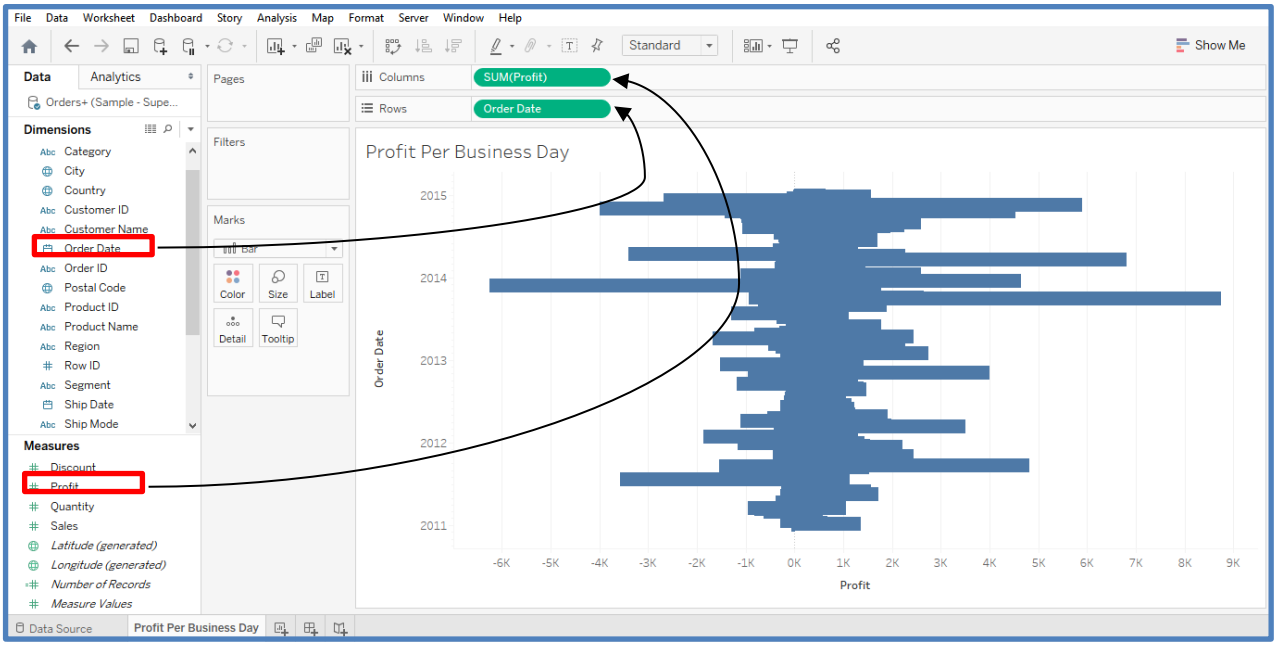
Refer the dataset: Global Superstore Orders 2016.xlsx

Use Case II – Solution

Step 1: Click on Connect → Microsoft Excel → Sample Superstore Dataset → Sheet1



Step 2: Drag Order date and Profit from Dimensions and Measures to Column and Rows respectively. Rename Sheet1 to Profit Per Business Day(optional)

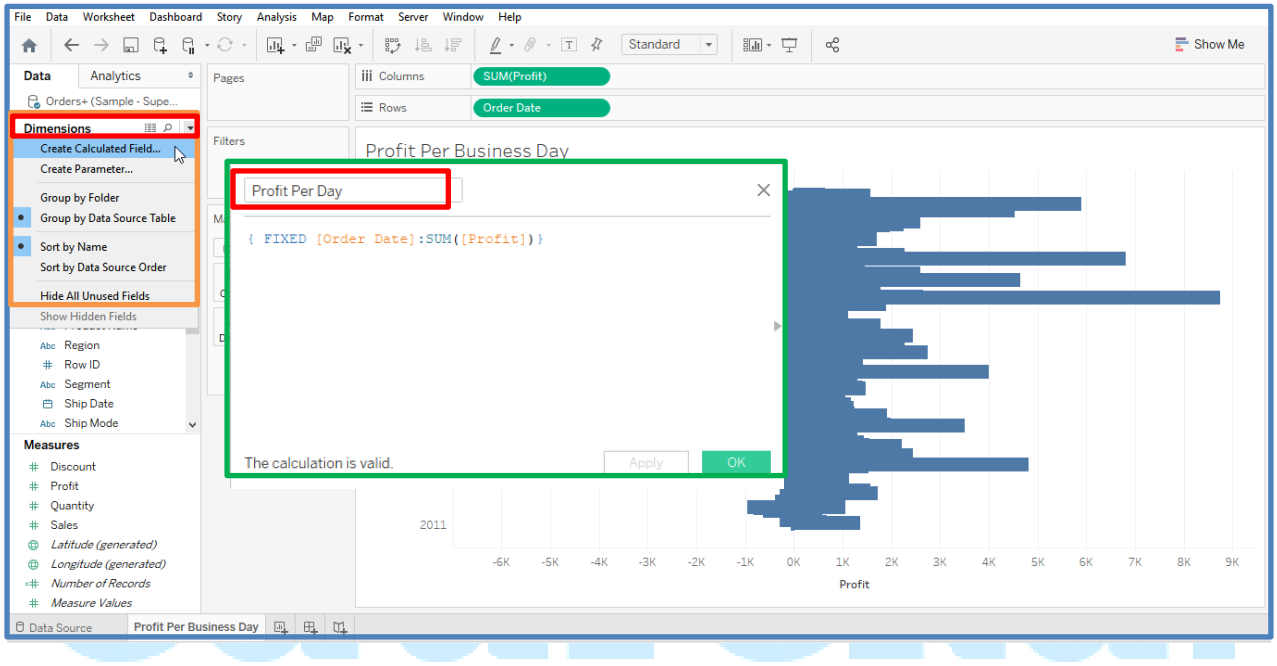


Step 3: Create a Calculated filed named “Profit Per Day”:

Step 4: Data pane → Dimensions → Drop Down → Create Calculated field → Enter the below given calculation

```
{ FIXED [Order Date]:SUM([Profit])}
```

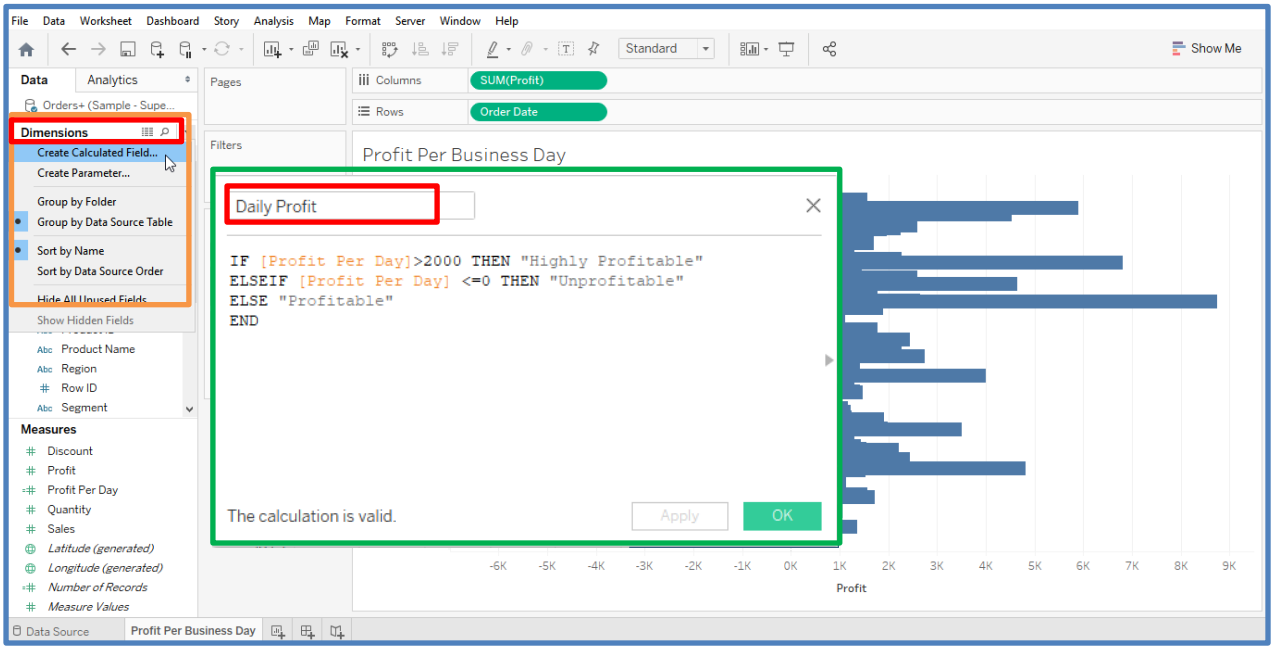
Step 5: Using an LOD expression, the sum of the Profit can be FIXED to each day of sales. This will allow us to easily bin the days in a secondary calculation.



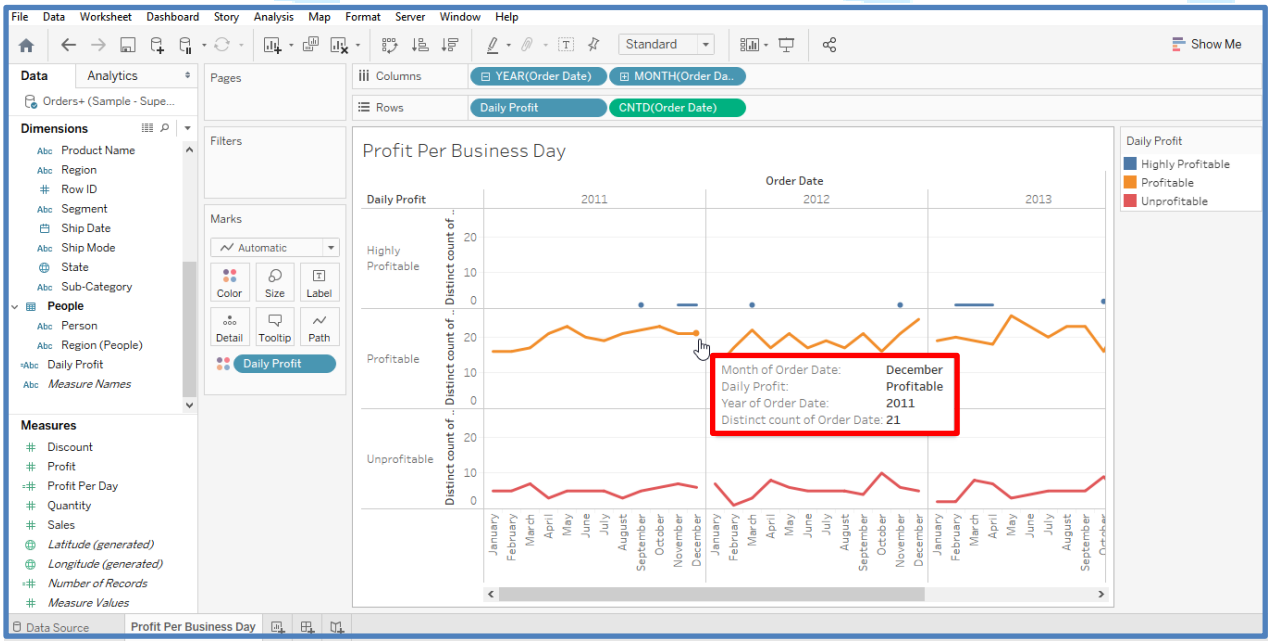
Step 6: Create another Calculated field named “Daily Profit” and use below given calculations:

```
IF [Profit Per day ] >2000 THEN “Highly Profitable”
ELSEIF [Profit Per Day] <=0 THEN “Unprofitable”
ELSE “Profitable”
End
```

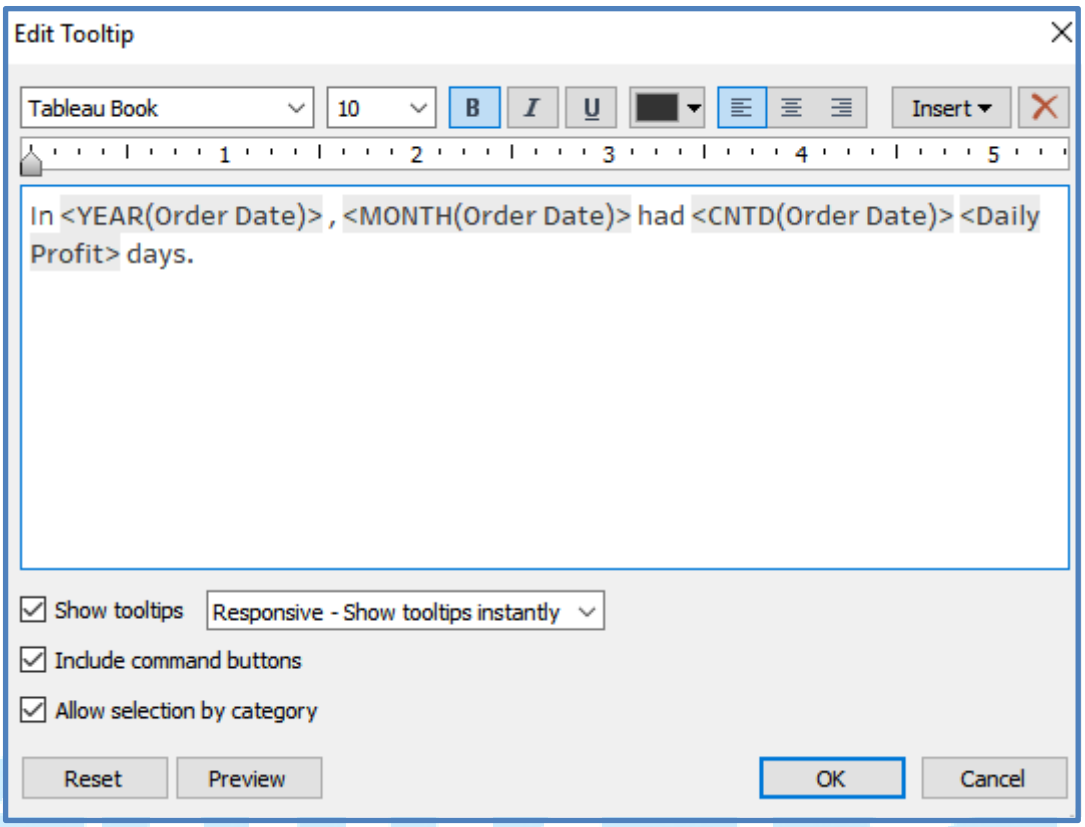
The LOD expression is fixed at the daily level. This makes it simple to write a logical statement thereby, categorizing the days based on daily profit.



This is required visualization.



Step 7: To make this visualization more attractive, we can edit Tooltip to make our details more understandable.



As we hover the cursor over the visualization, we get details in the following format: