Module 6: Level Of Detail (LOD) Expressions Tableau

Use Case- I

edureka!

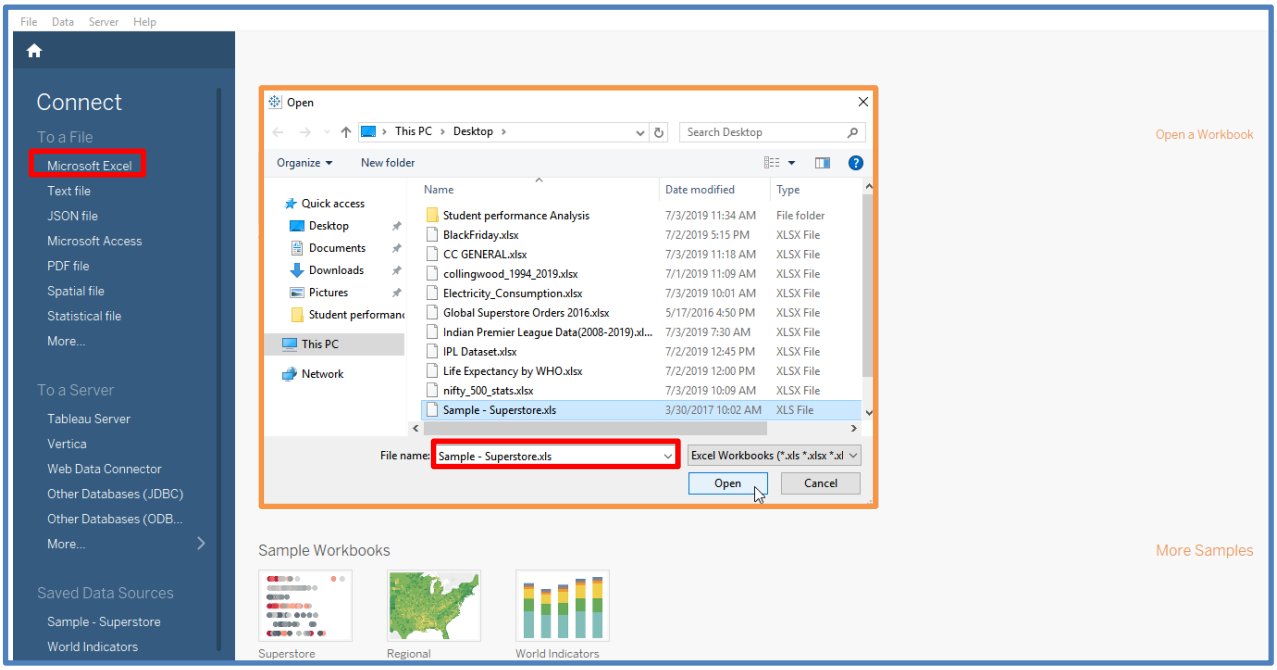
Use Case I: Count Customer By Order

Using Sample Superstore Dataset, create a report on total number of purchases(X) made by number of customers(Y).

Refer the dataset: Sample-Superstore.xls

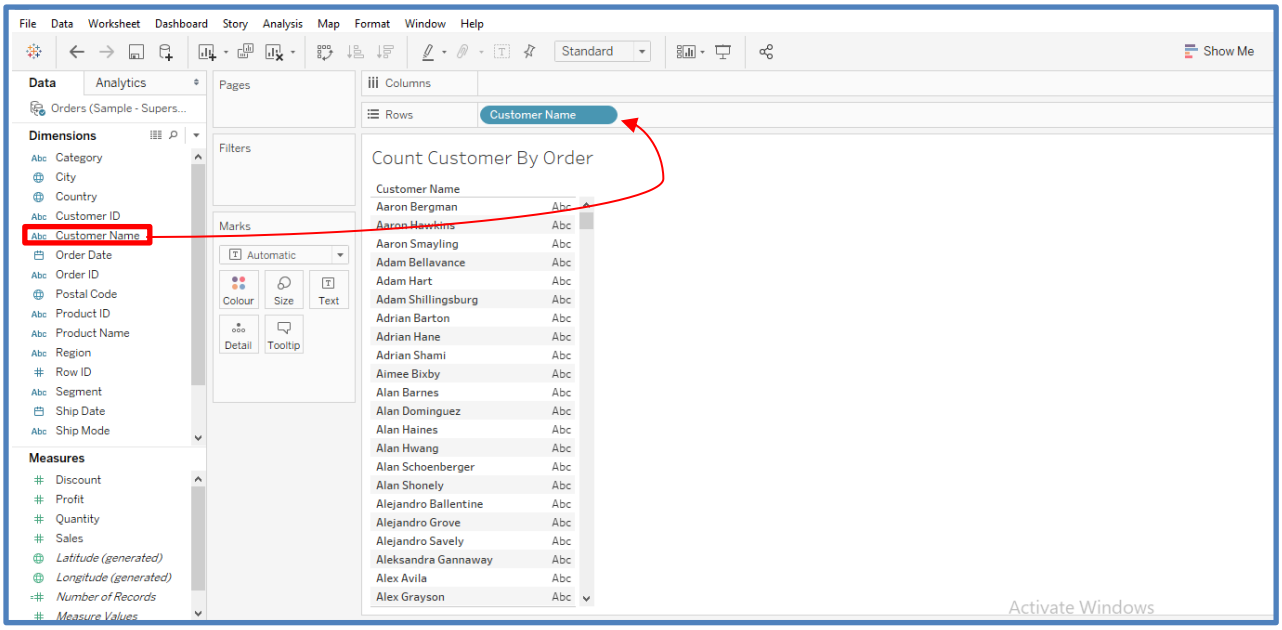
Use Case I – Solution

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



Step 2: Drag Customer Name from Dimensions to Column.

Step 3: Rename Sheet1 to Count Customer By Order.



Using an LOD expression, we can fix the Distinct Count of Orders to each Customer by creating a calculated field "Order by Customer".

Step 4: Go to Data pane → Dimensions → Drop Down → Create Calculated Field

Step 5: Field Dialog Box → Rename it to "Order By Customer" → Calculation →OK

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{FIXED [ Customer Name]: COUNTD ([Order ID])}
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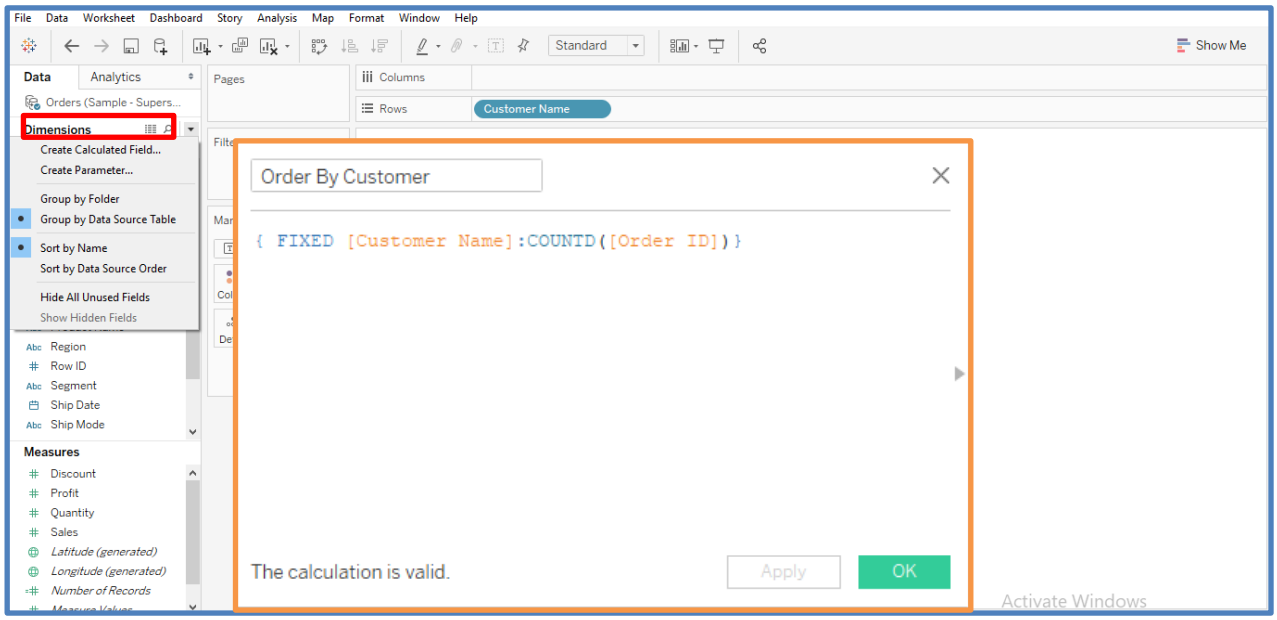
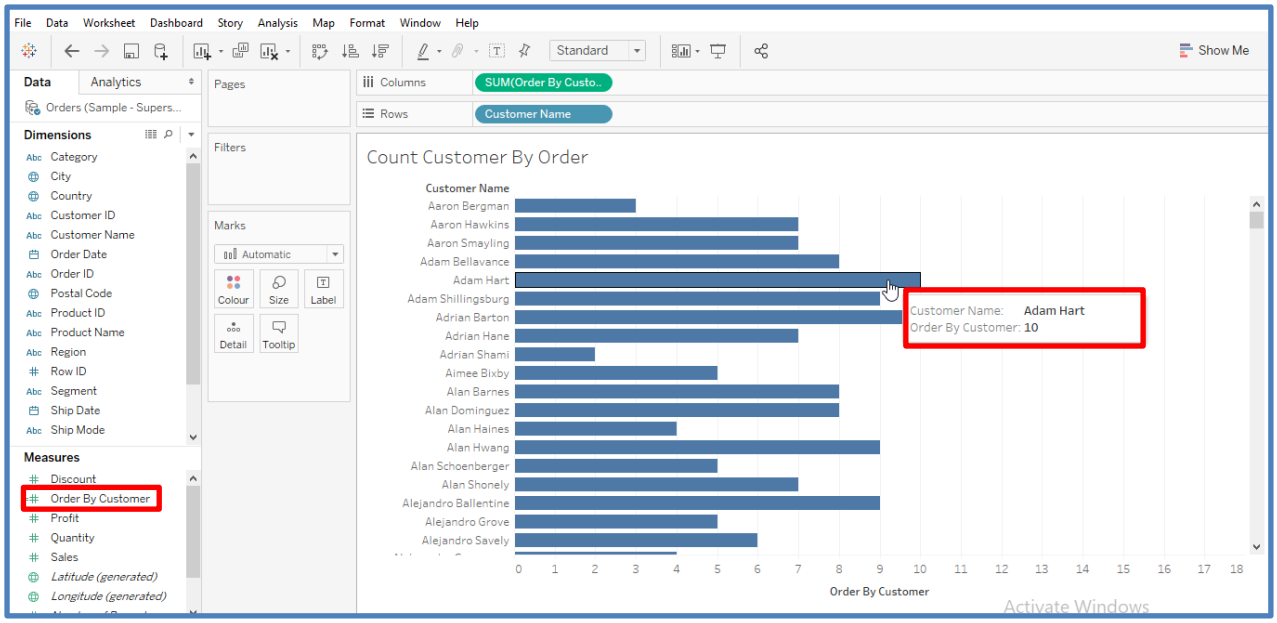
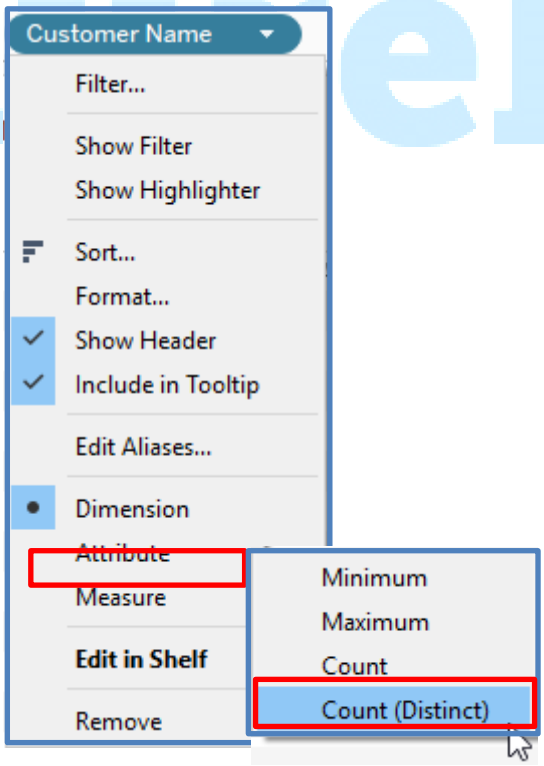


Step 6: Drag "Order By Customer" calculated field to Column, we can visualize item purchased by each customer.

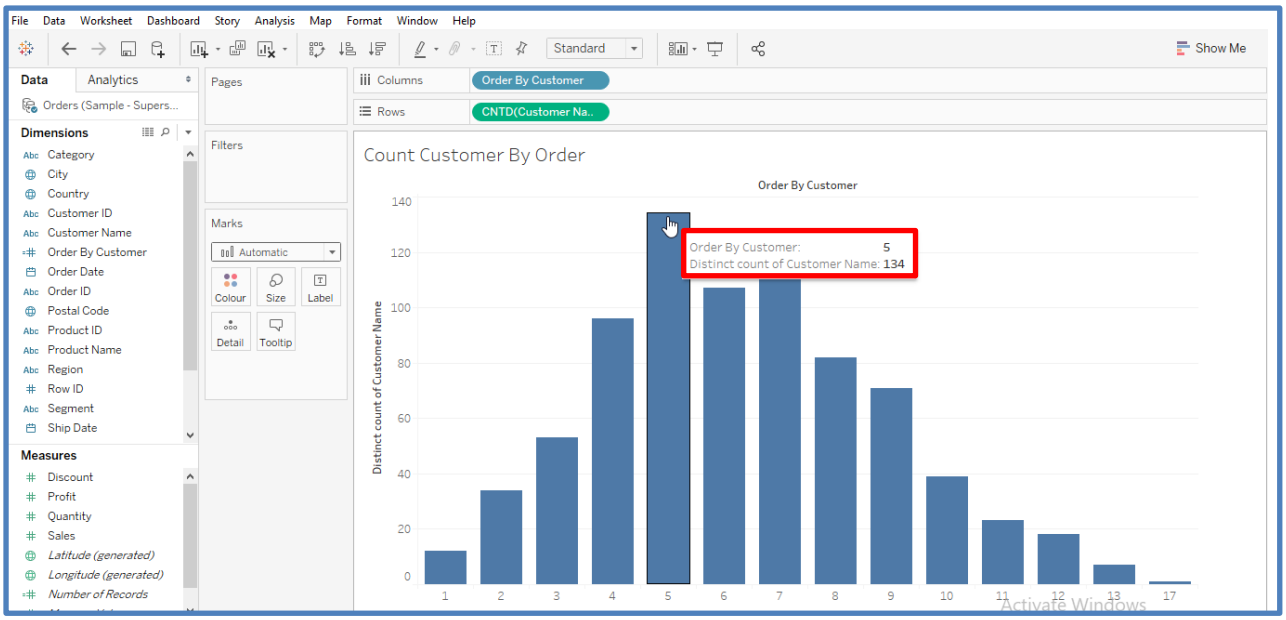


Step 7: Drag "Order By Customer" to dimension to make it discrete data.

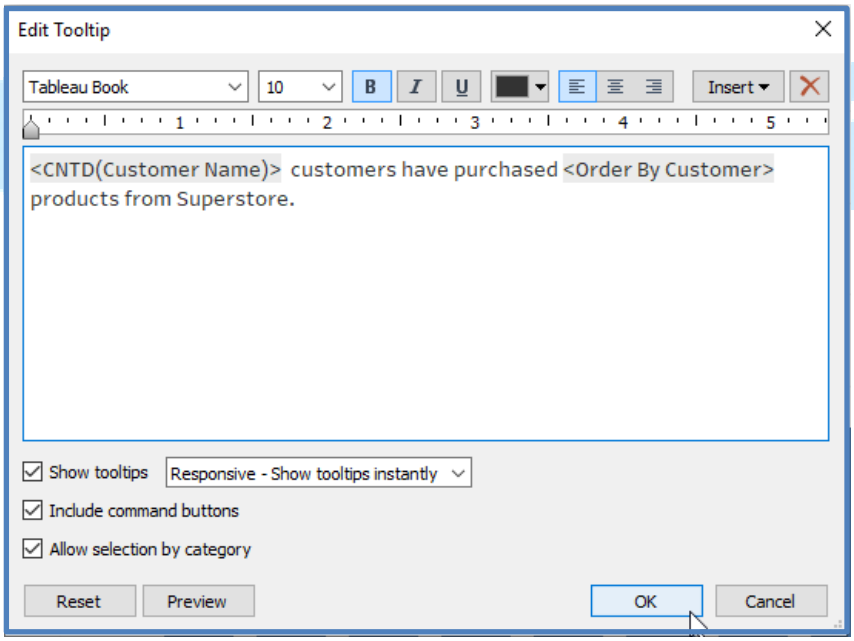
Step 8: And Change Customer Name → Measure → Count (Distinct) to make is continuous data



The below shown visualization, shows the total number of purchases made by number of customers.



Step 9: Make visualization more interactive by editing the tooltip for better analyzing.



This is the required visualization.