

# Module 5: Advanced Visual Analytics

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## Demo Document I

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## Demo I:

Your Manager has asked you to create a report that shows:

1. Year wise sales
2. Quarter wise sales
3. Month wise sales
4. Week wise sales
5. Day wise sales

(Use “Global Superstore Orders 2016.xls” Dataset)

## Demo I – Solution

Parameter in Tableau allows you to create scenarios and values which are not available in your data and visualize them.

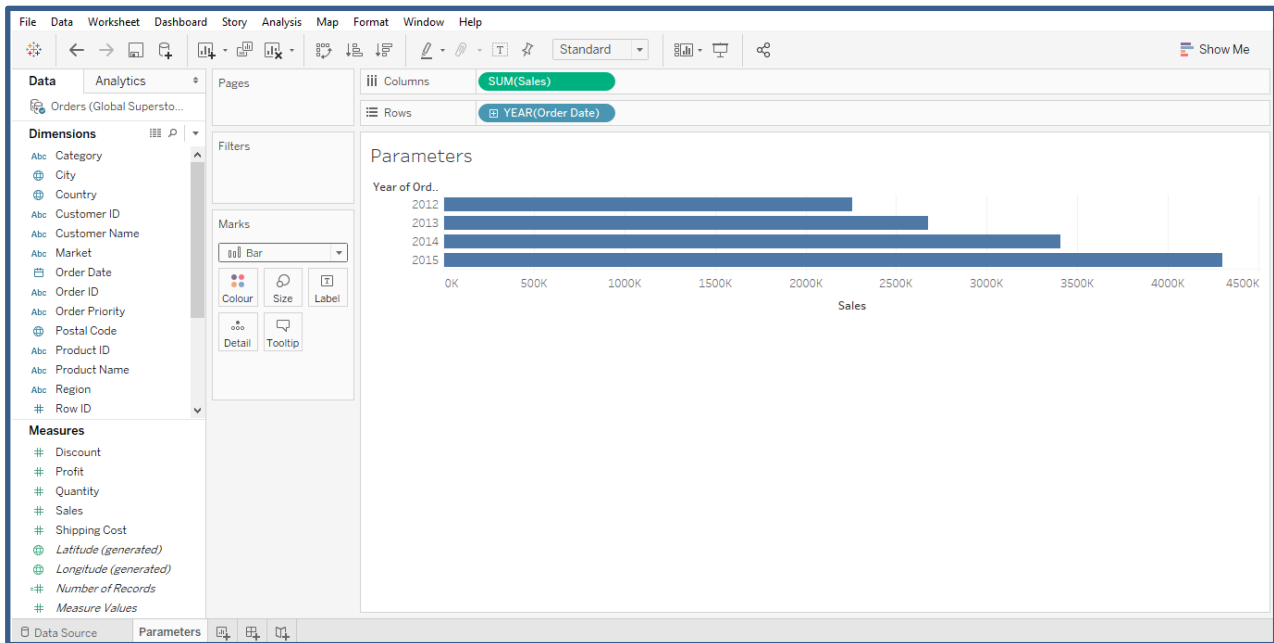
To use a parameter, we need to check these four things:

1. Create the Parameter
2. Use the Parameter in a Calculation
3. Show the Parameter Control for the User
4. Use the Calculated Field in Your Visualization

Let us get started with our problem statement:

**Step 1:** Connect → Microsoft Excel → Global Superstore Orders 2016.xlsx → Sheet → Change Sheet Name to Parameters (Optional)

**Step 2:** Drag Sale and Order date to Columns and Rows respectively.



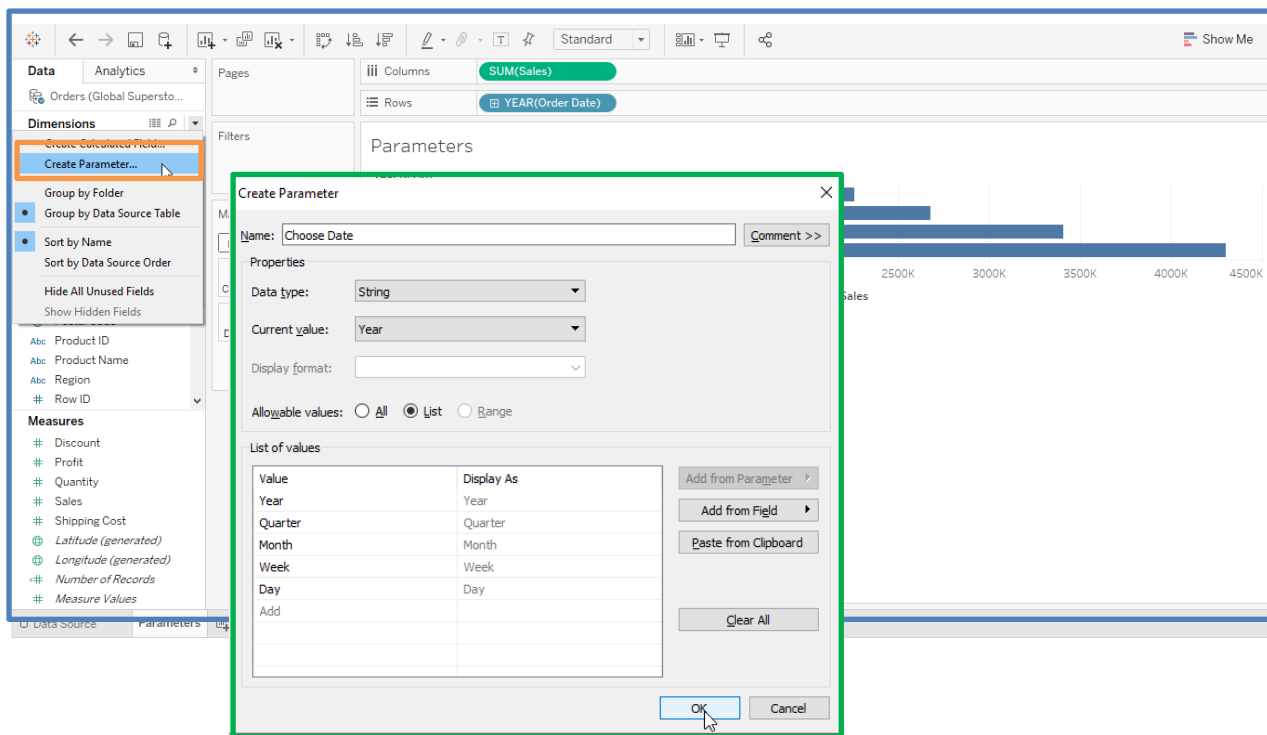
### 1. Create a parameter

**Step 3:** Now, we will create a parameter called Choose Date.

Dimensions → Drop Down → Create Parameter

Create Parameter Dialog Box

- Name → Choose Date
- Data Type → String (Because we are going to pass the values as Year, quarter and so on)
- Current Value → Year (It will take the value that you enter first in List, you can even change it)
- List → Enter values as Year, Quarter, Month, Week, Day
- ok

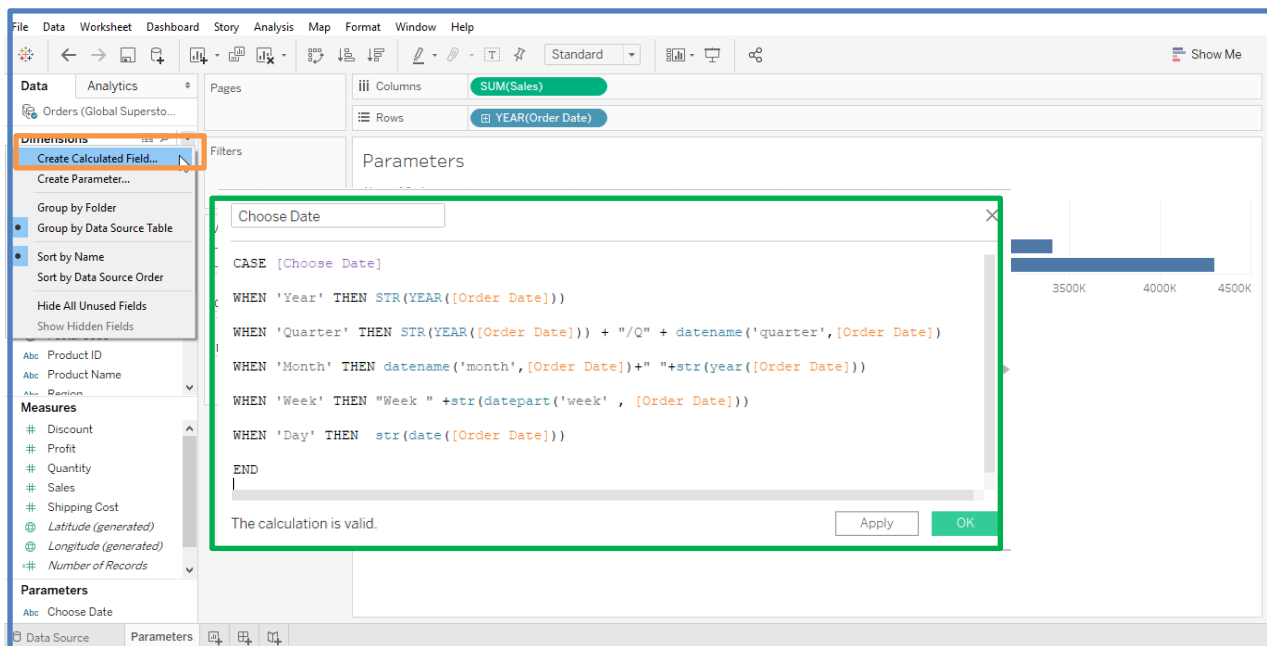


## 2. Use Parameter in calculation:

For our scenario, we want to use the parameter to create a calculated field to add to our graph see its effect on our data.

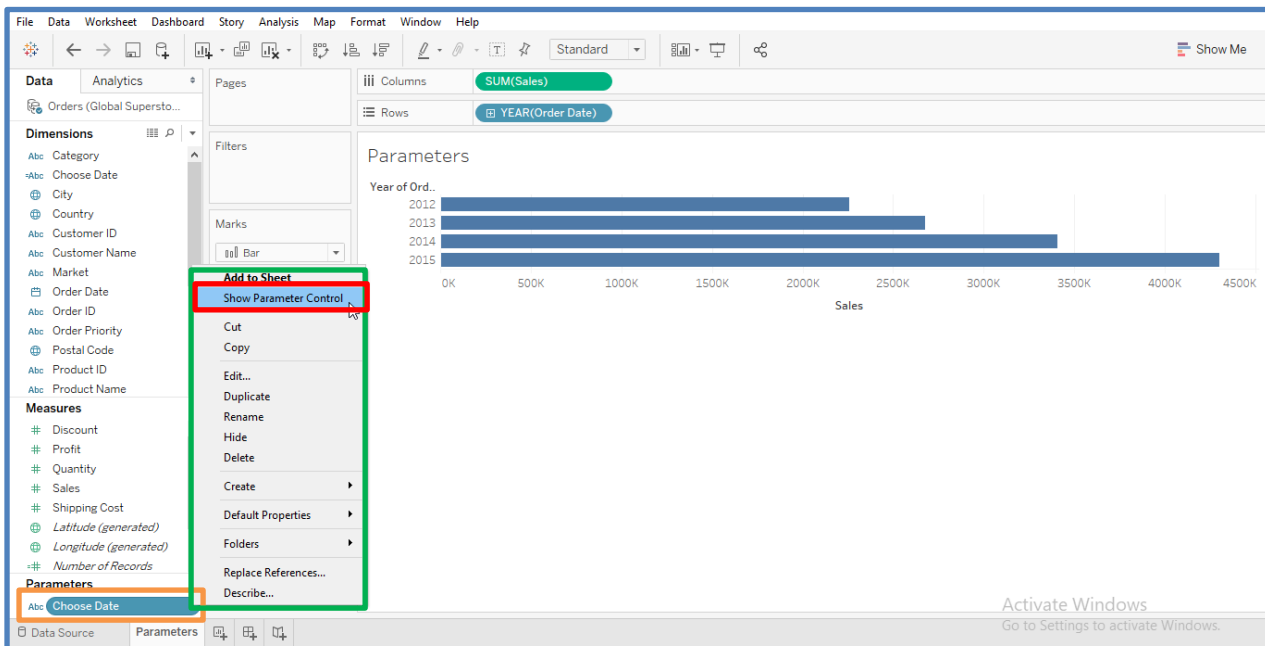
**Step 4:** Let us create a calculated field now:

- Dimension → Drop Down Menu → Create Calculated Field
- Name Calculated Field → Choose Date → Write Calculation → Apply → OK

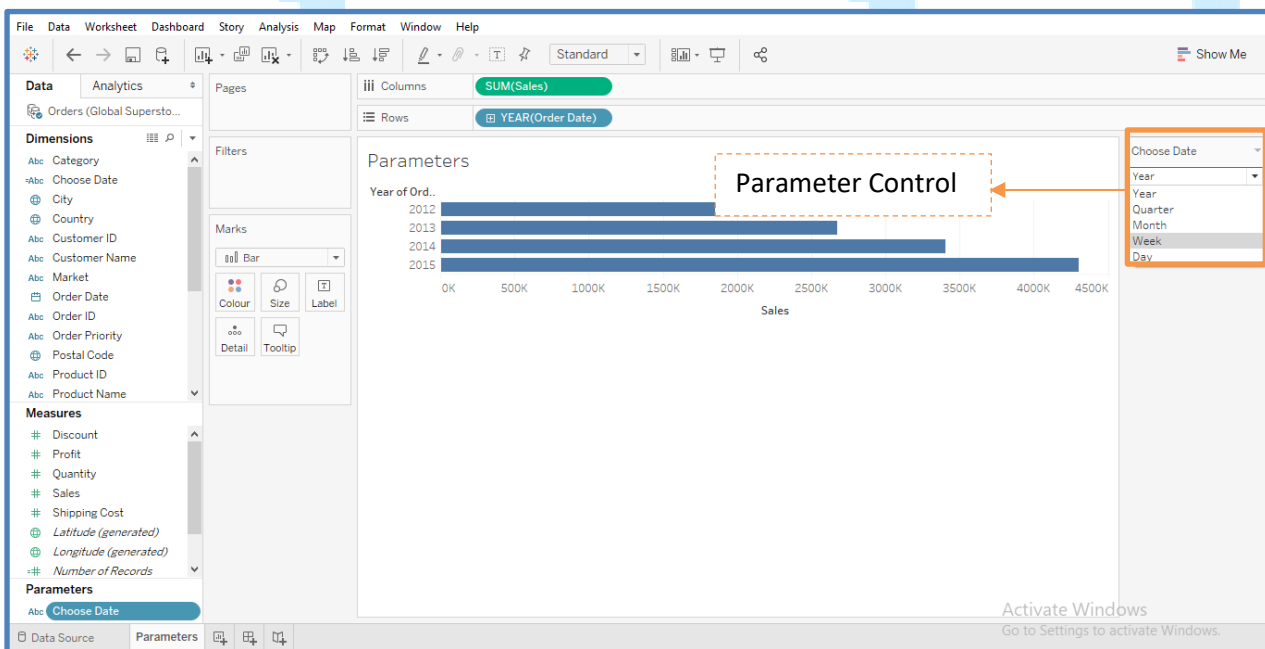


### 3. Show the Parameter Control for the Date

#### Step 5: Go to Parameter → Choose Date → Drop Down → Show Parameter Control



Parameter Control Filter is shown at the top right of your view

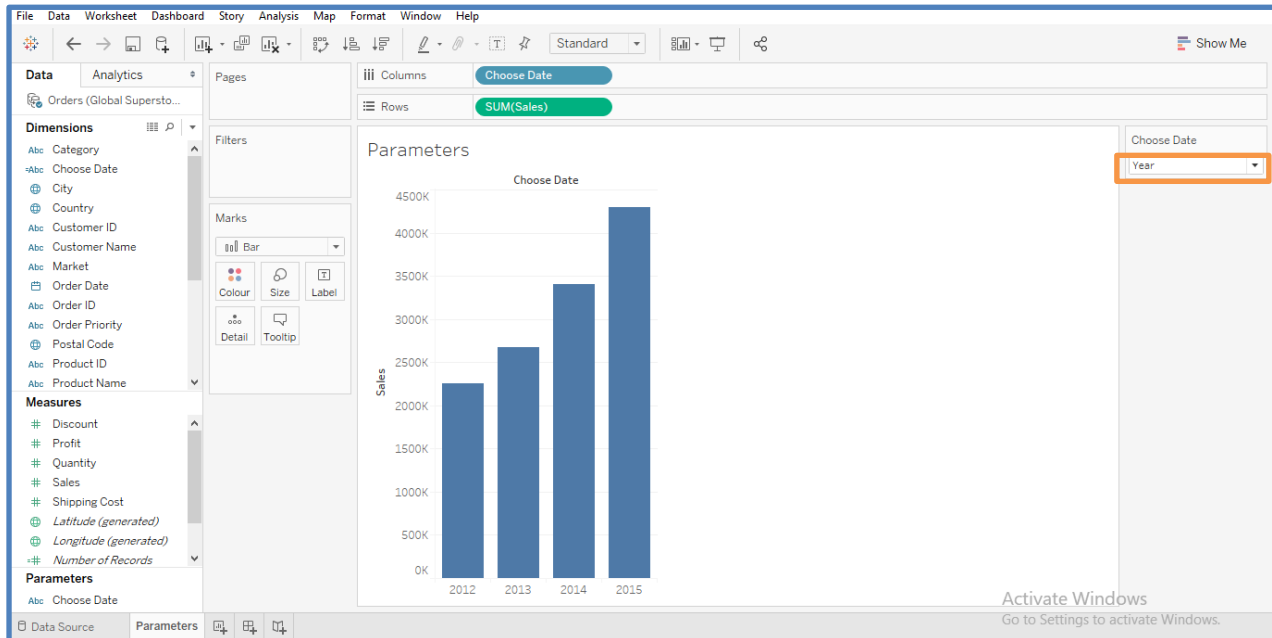


You can see the parameter “Choose Date” in Parameters pane and “Choose date” calculate filed in Dimensions pane of your Data window.

#### 4. Use the Calculated Field in Your Visualization

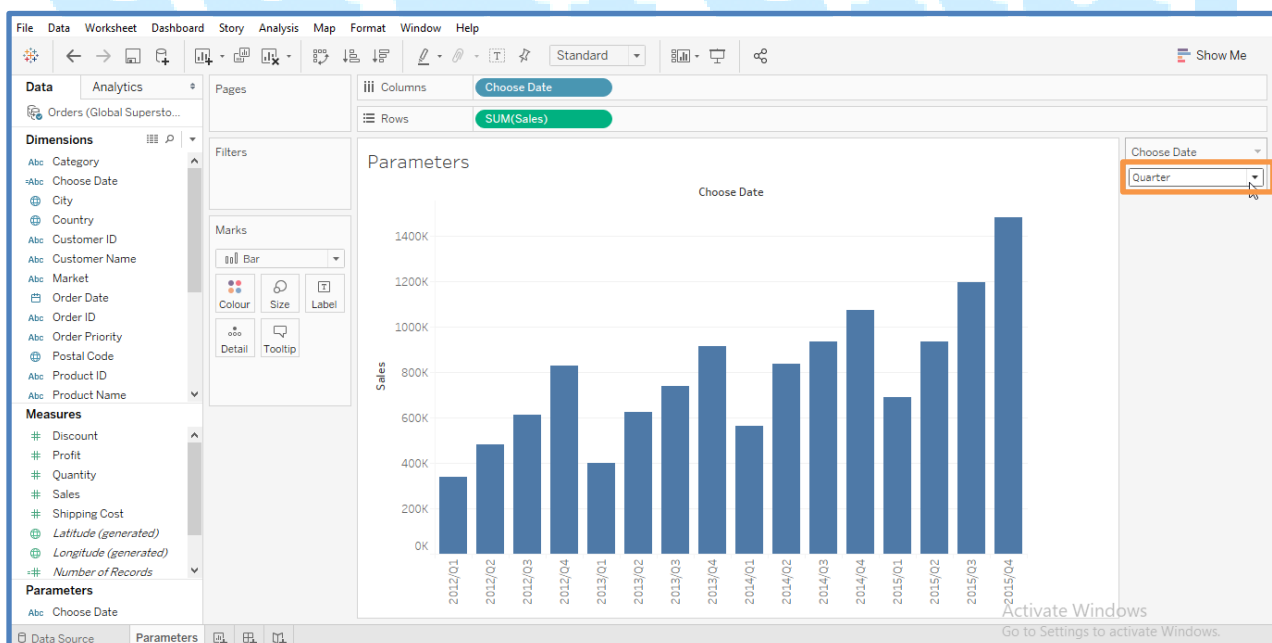
##### Step 6: Drag “Choose Date” from dimensions to Rows

It will first show year wise sales because the value in Parameter Control is Year.

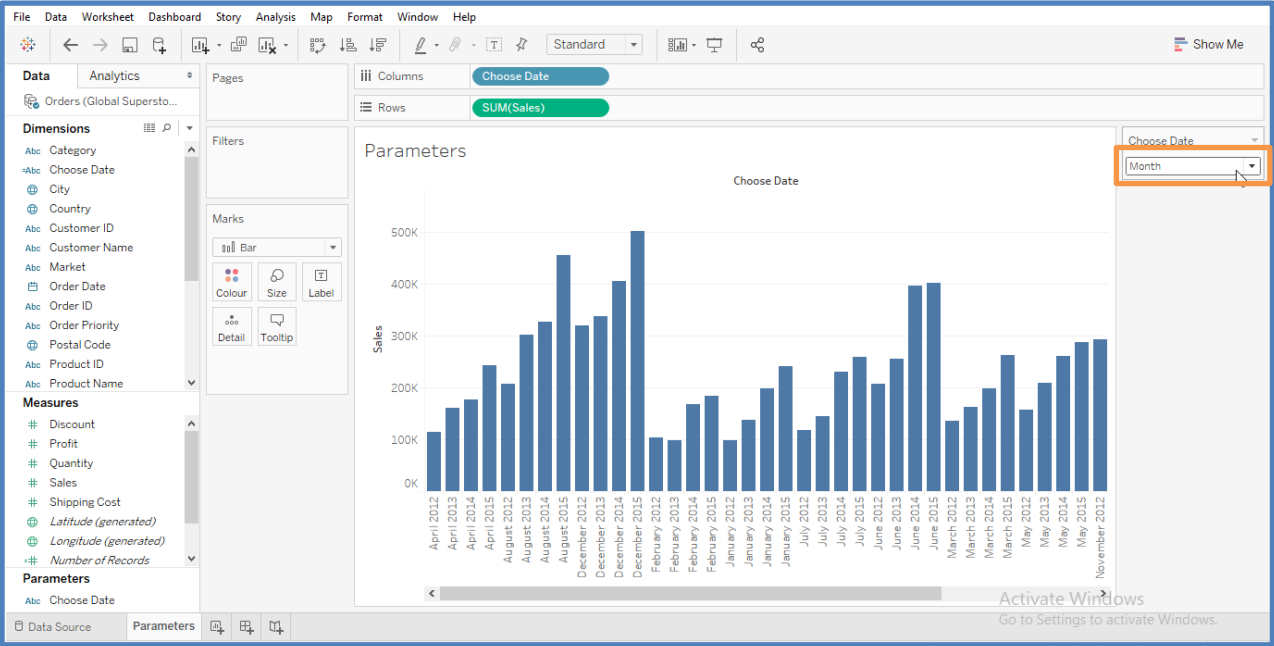


##### Step 7: Click on Parameter Control to choose, other values:

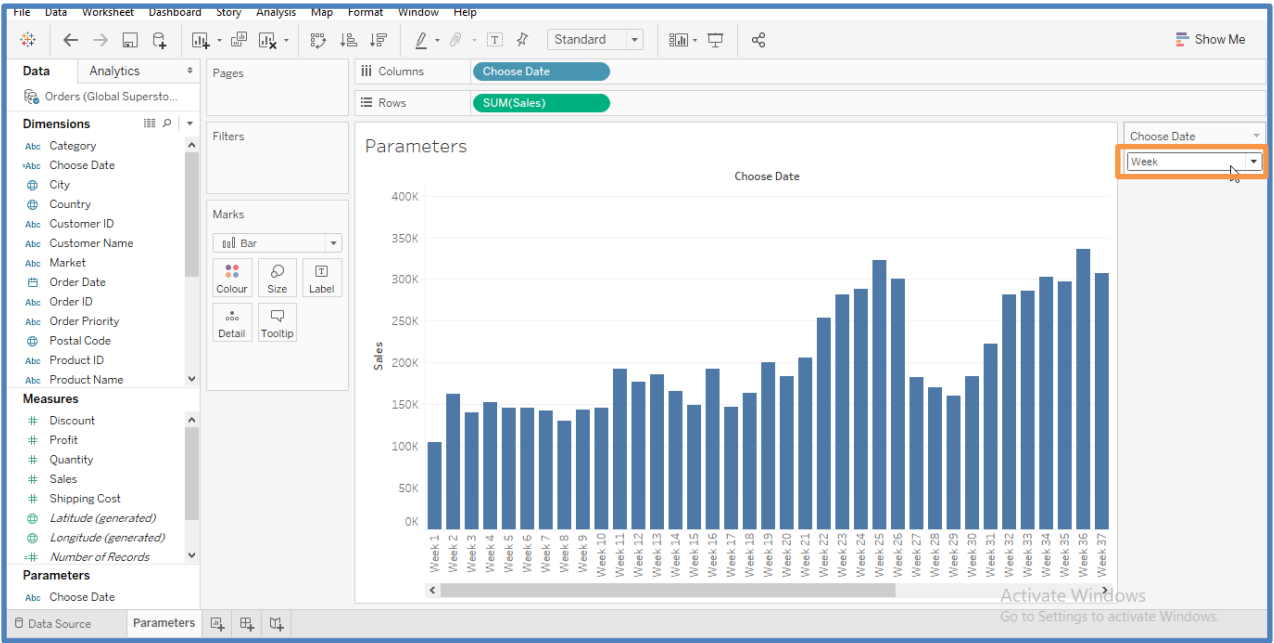
Quarter



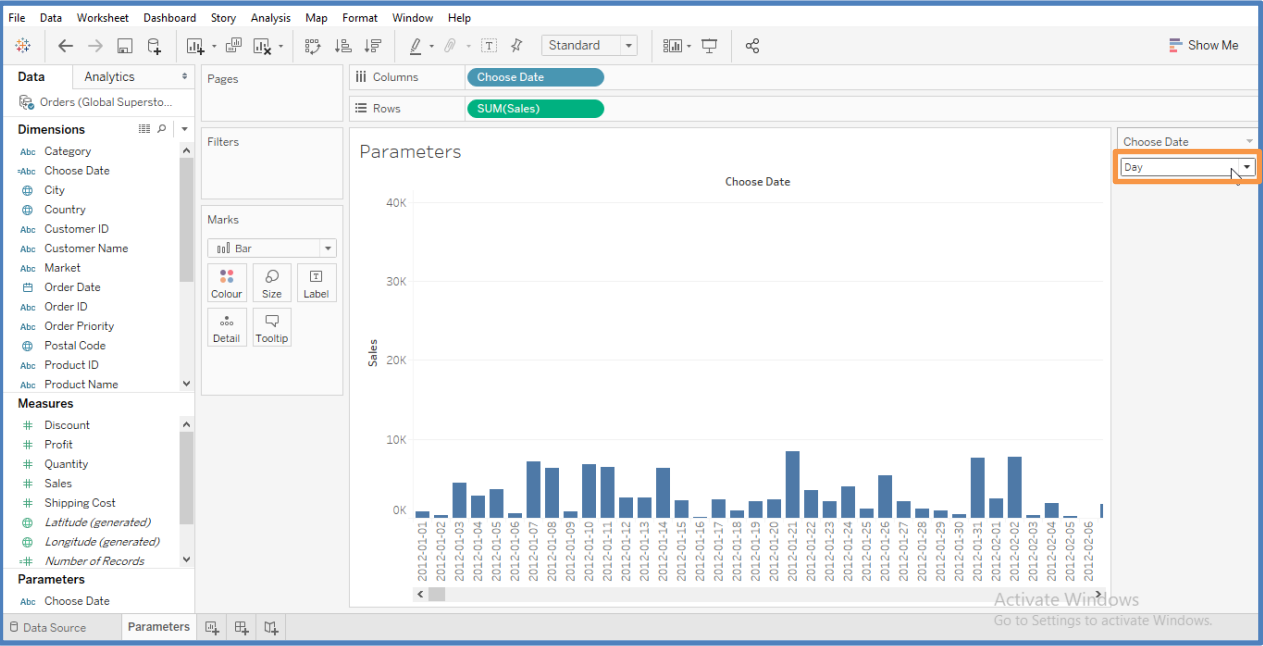
Month



Week



Day



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