

## Lesson 04 Demo 07

### Parameters with Histogram

**Objective:** To demonstrate how to create a histogram in Tableau showcasing the distribution of customers across various profit range buckets, facilitating visual analysis of customer distribution based on profit margins

**Tools required:** Tableau Desktop

**Prerequisites:** None

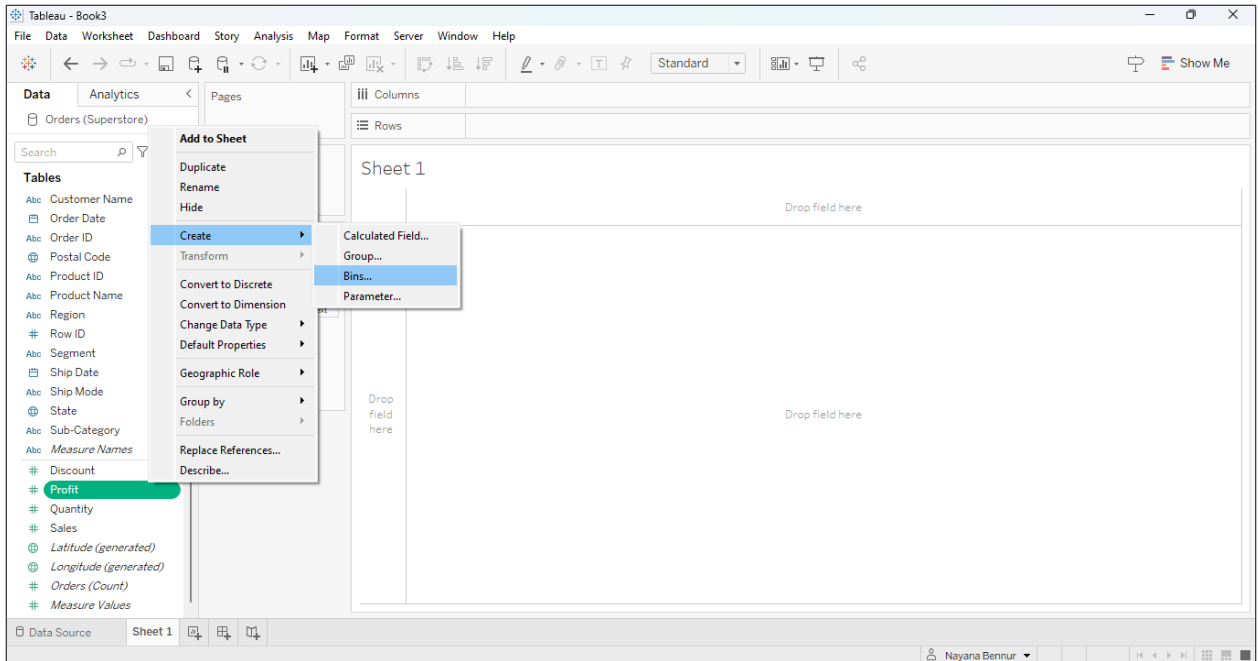
**Note:** Download the **Superstore.xlsx** datasets from the Reference Material section of the LMS

Steps to be followed:

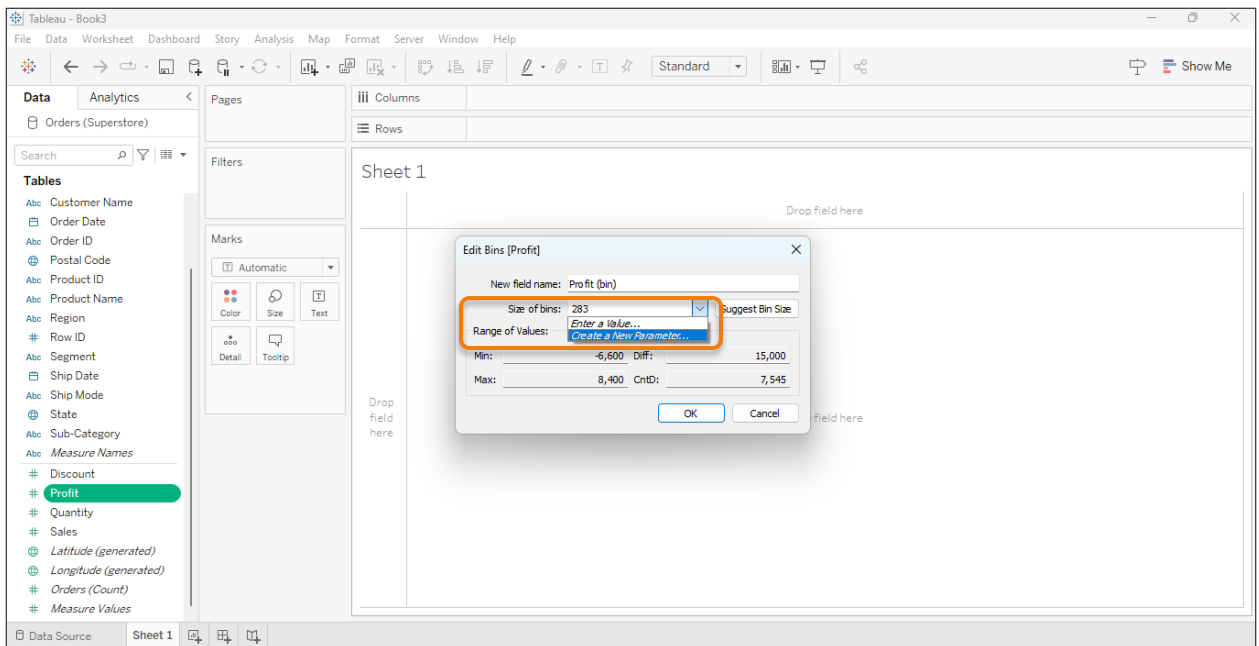
1. Creating a Parameter
2. Creating a Histogram

#### Step 1: Creating a Parameter

1.1 Right-click on the **Profit Measure**, click on **Create**, and select **Bin**



1.2 In the **Edit Bins [Profit]** window, go to **Size of bins**, and click on **Create a New Parameter**



1.3 The Parameter window will open then fill in the details as given below:

Name: **Select Bin Size**

Data Type: **Float**

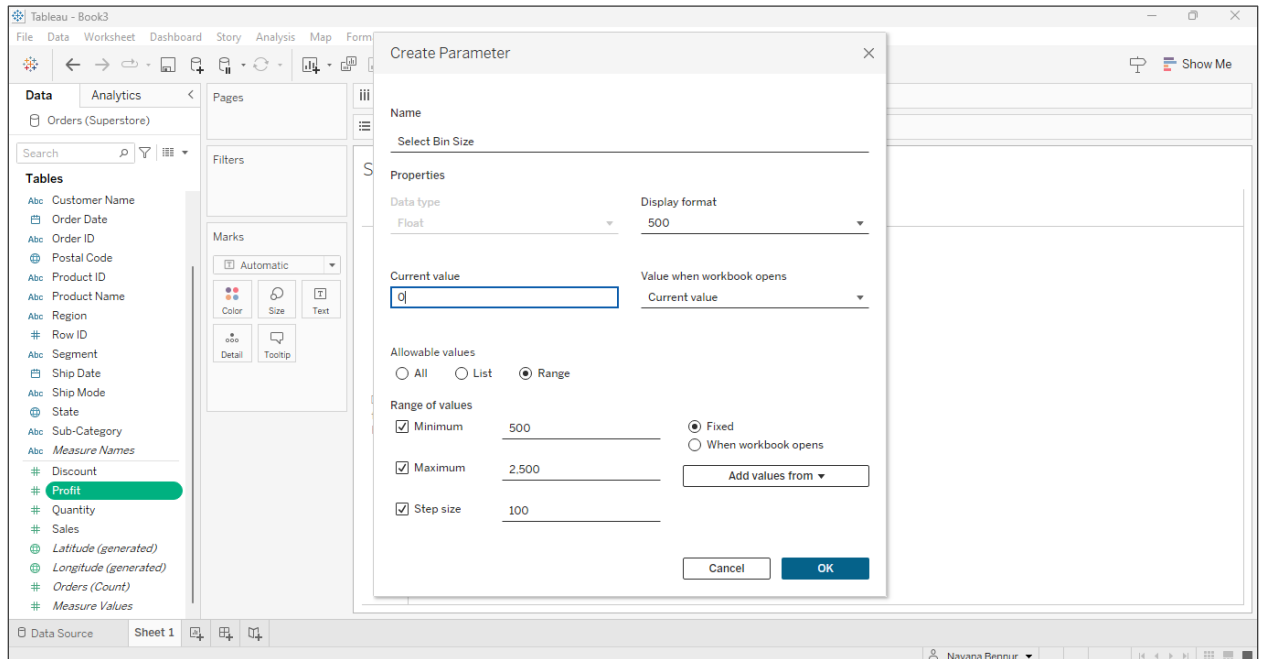
Current Value: **0**

Allowable values: **Range**

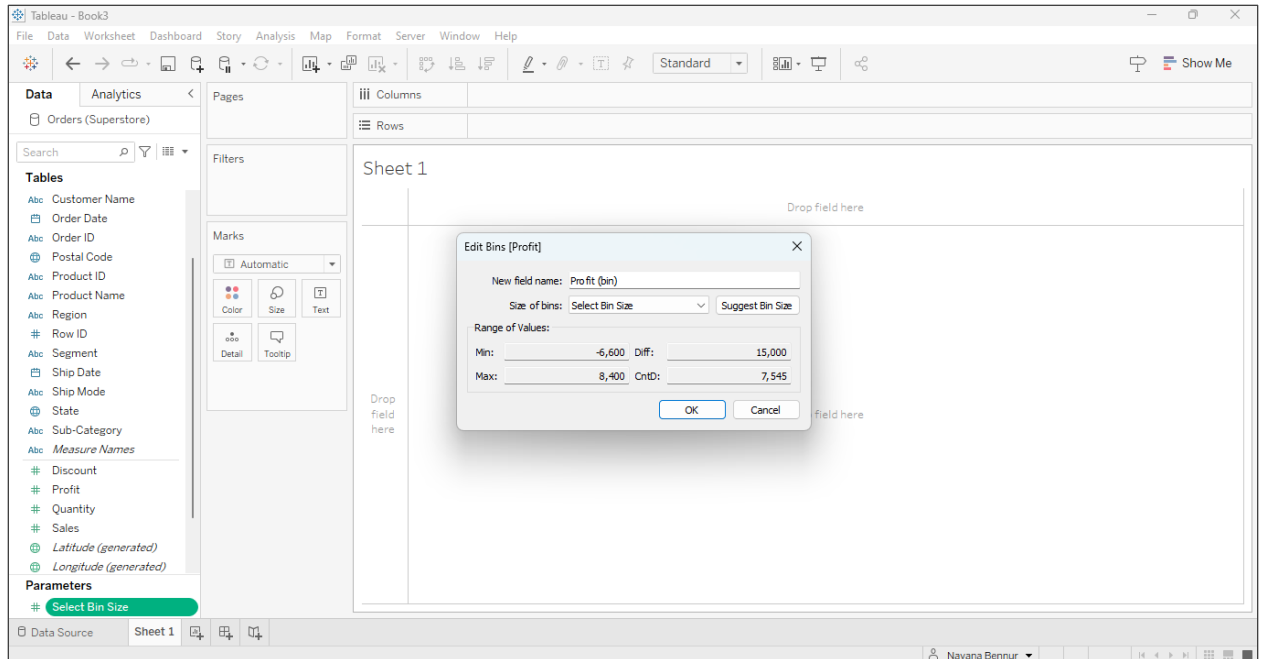
Min: **500**

Max: **2,500**

Step: **100**

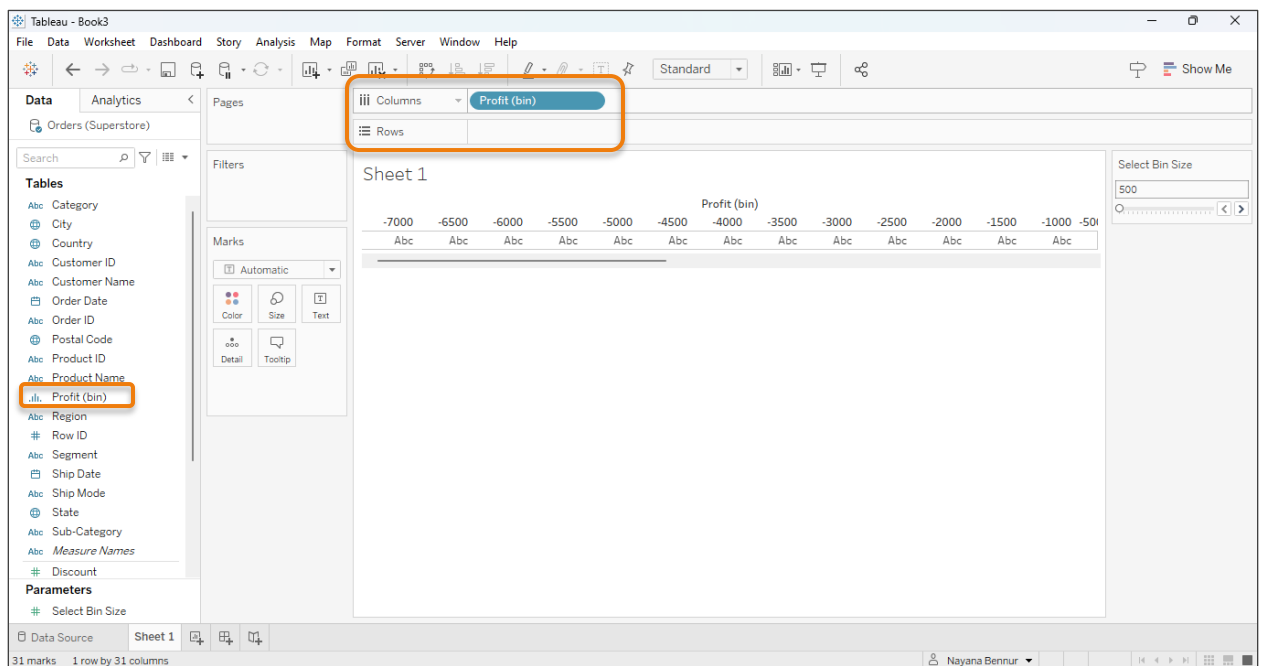


1.4 Click on **OK** for the Parameter window and then on **OK** for the Bin window

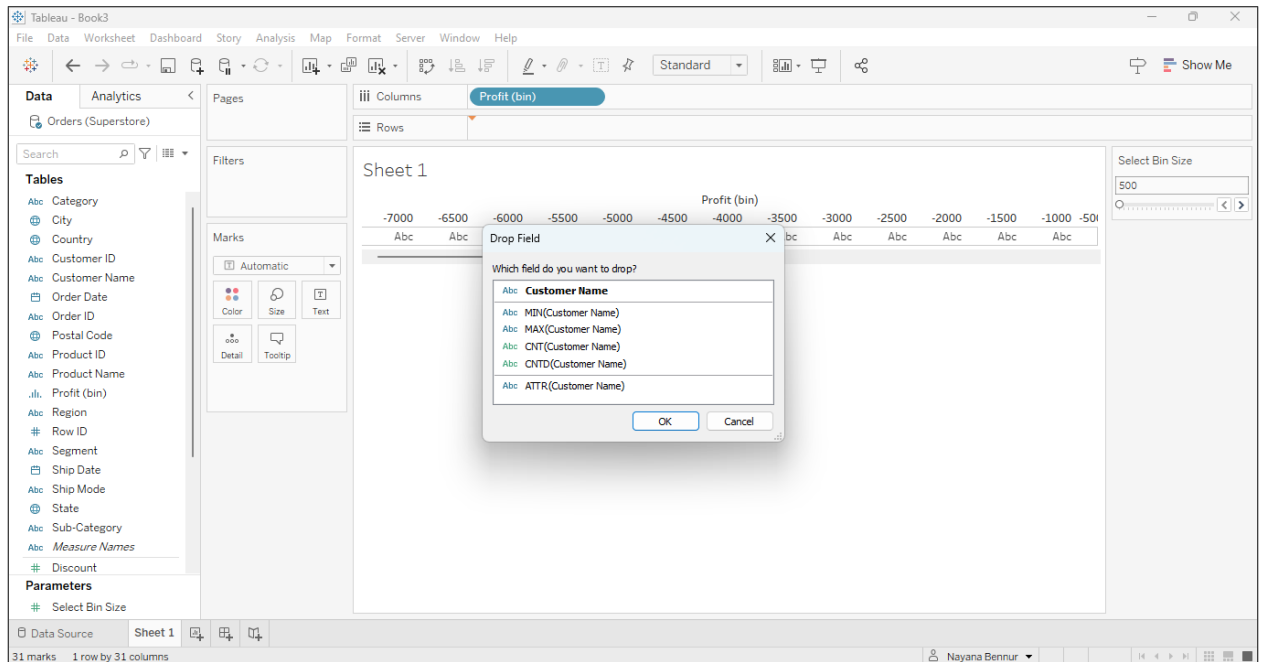


## Step 2: Creating a Histogram

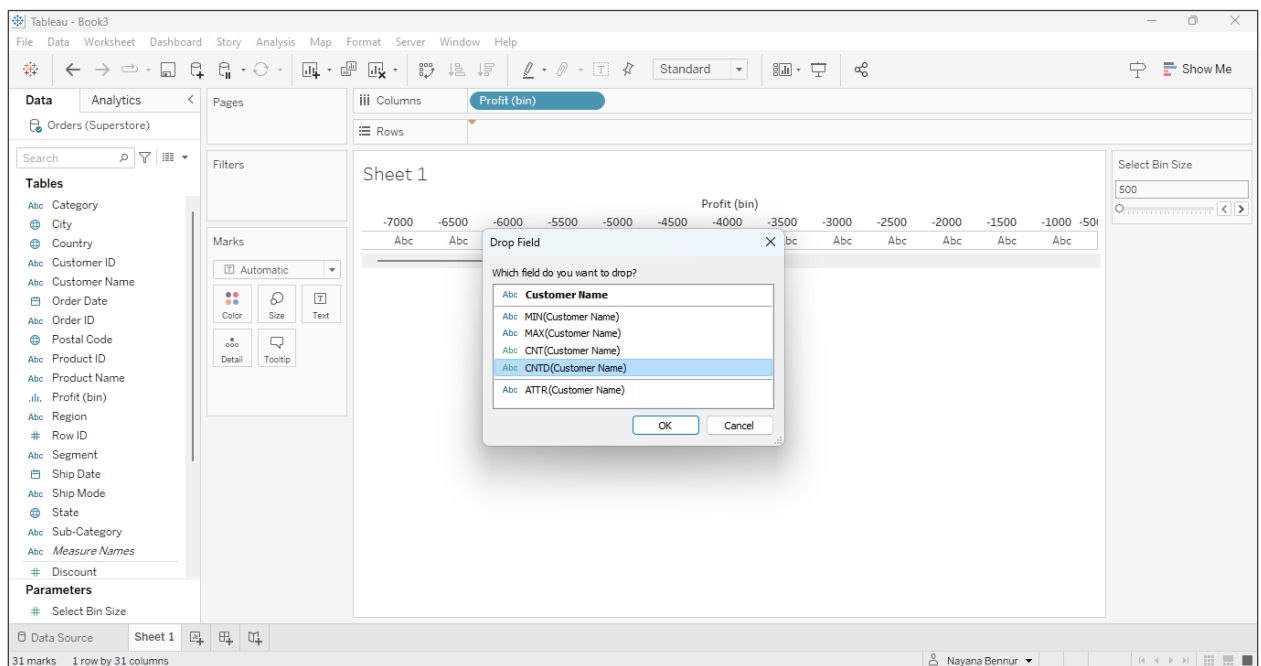
### 2.1 Drag **Profit(bin)** into the Columns section



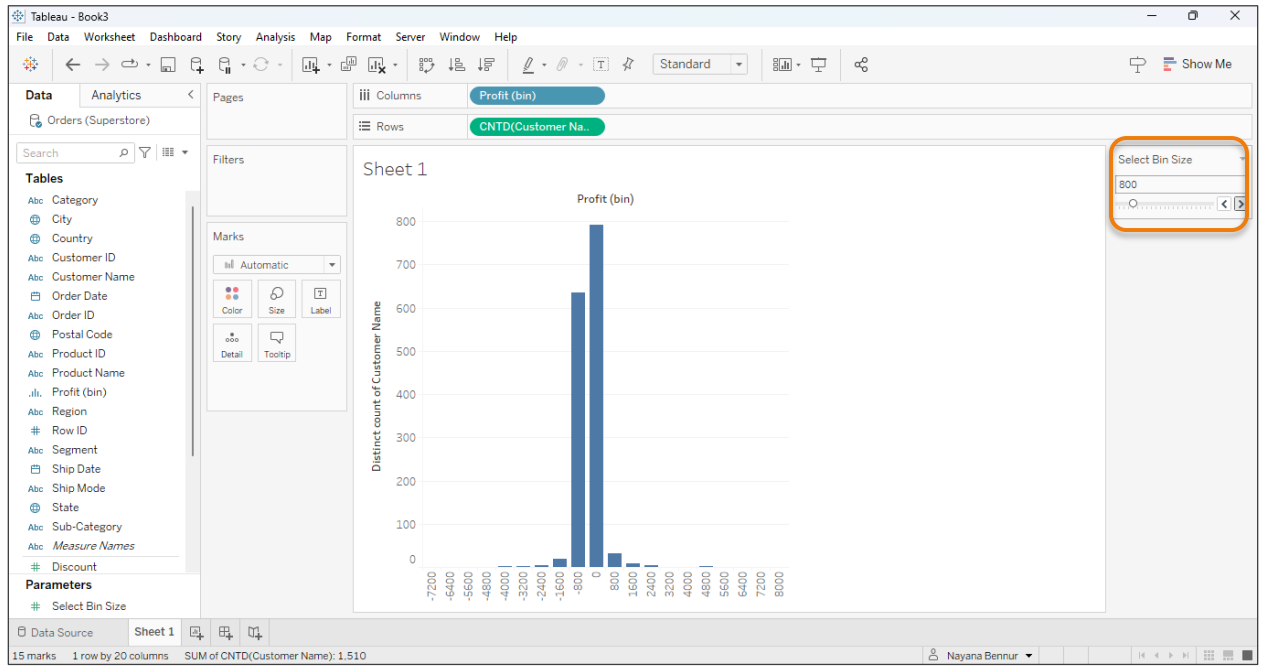
2.2 Drag (by holding with right-clicking) **Customer Name** from the data pane and move it to the Rows field



2.3 Select **CNTD(Customer Name)** from the **Drop Field** window (CNTD means Count Distinct values of Customer names)



## 2.4 Adjust the Profit(bins) size using the Parameter control window



**Conclusion:** With this, you have successfully created a histogram in Tableau that showcases the distribution of customers across various profit range buckets, which facilitates a visual analysis of customer distribution based on profit margins.