AUTOMATIC AND CUSTOM SPLIT

We might have some string fields in the data source that contain multiple units of information.
For example, we might have a full **Customer Name**.
It might be easier to analyze the data if we split the values in that field into separate fields i.e. **First Name** and **Last Name**.
We can use **split** or **custom split** options in Tableau to separate the values based on a **separator** or a **repeated pattern of values** present in each row of the field.

The **new fields** created by the **split or custom split** are added to the data source as **calculated fields**.
Splits and custom splits are based on the **SPLIT string function**.

AUTOMATIC AND CUSTOM SPLIT

Split fields automatically:

A string field can be **split automatically** based on a common separator that Tableau detects in the field.

Depending on the connection type, a split can automatically separate a field's values in up to ten new fields.
The data type of the new fields generated by the split can vary depending on the pattern combination that Tableau detects in the separator that is used to split the original field.

AUTOMATIC AND CUSTOM SPLIT

Custom split:

The **custom split** option can be used to specify a common separator for the split. Like the split option, a custom split can separate a field's values in up to ten new fields.

In addition, we can choose to **split the values at the first n occurrences** of the separator, **the last n occurrences of the separator**, or at all **occurrences of the separator**.

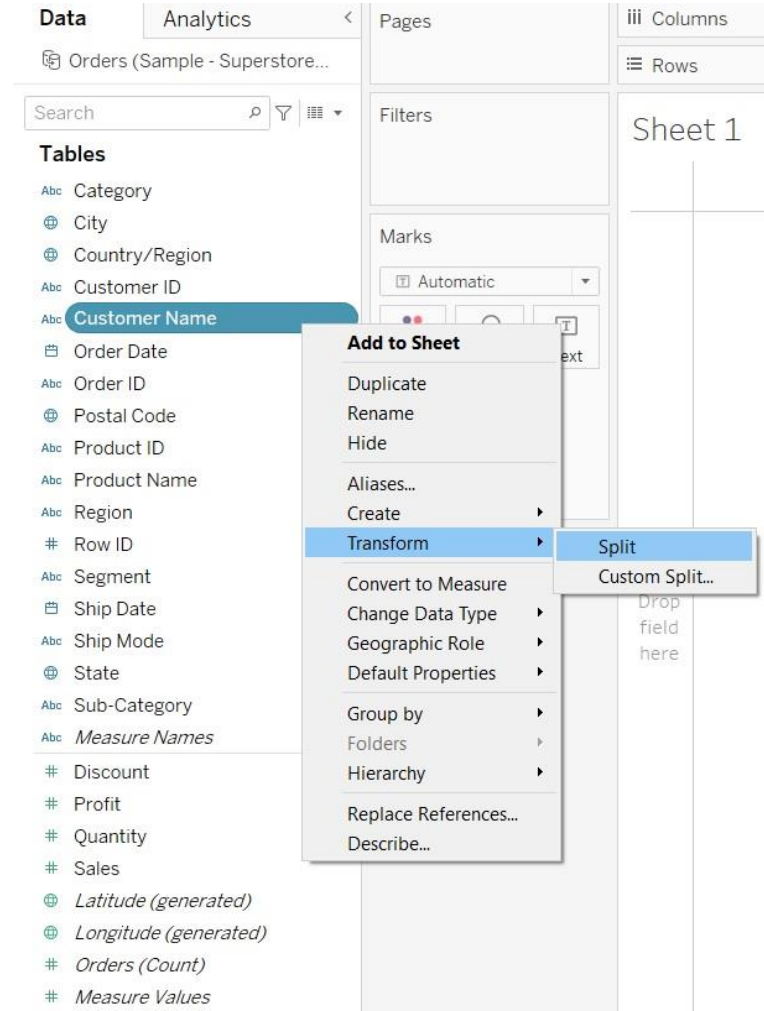The data type of the new fields generated by the custom split always results in a string data type.

STEPS TO CREATE AN AUTOMATIC SPLIT

Step 1: Go to the worksheet and select the field i.e., **Customer Name** to be split
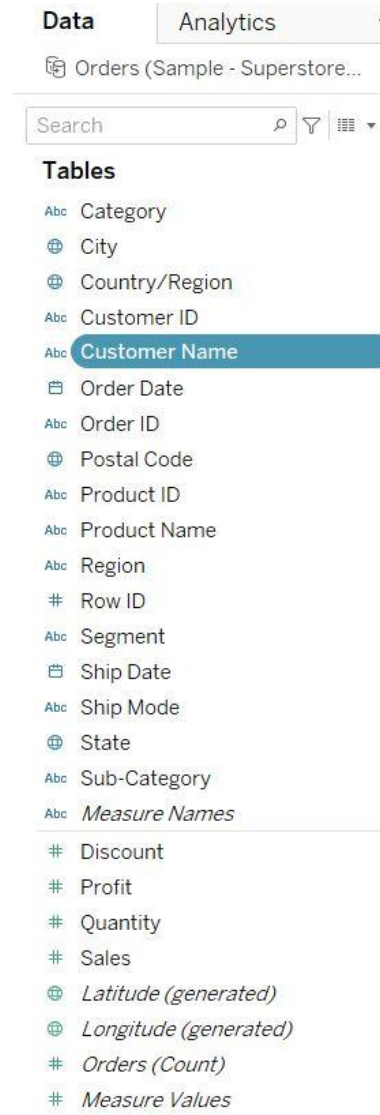
STEPS TO CREATE AN AUTOMATIC SPLIT

Step 2: Right-click the field i.e., **Customer Name**, **Transform** > **Split**
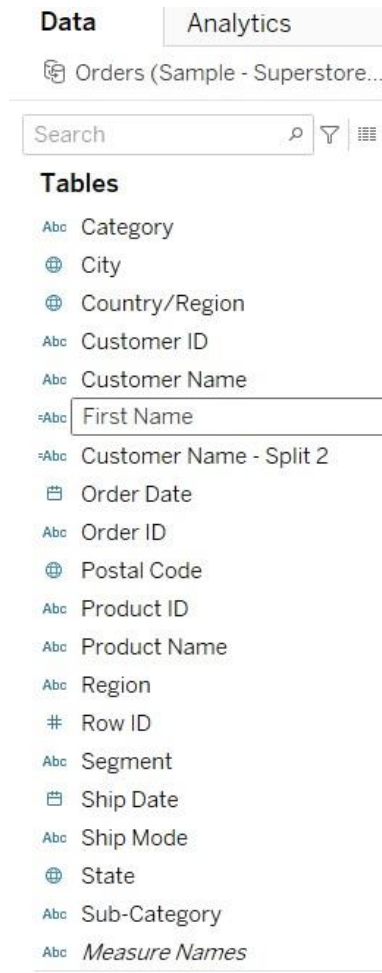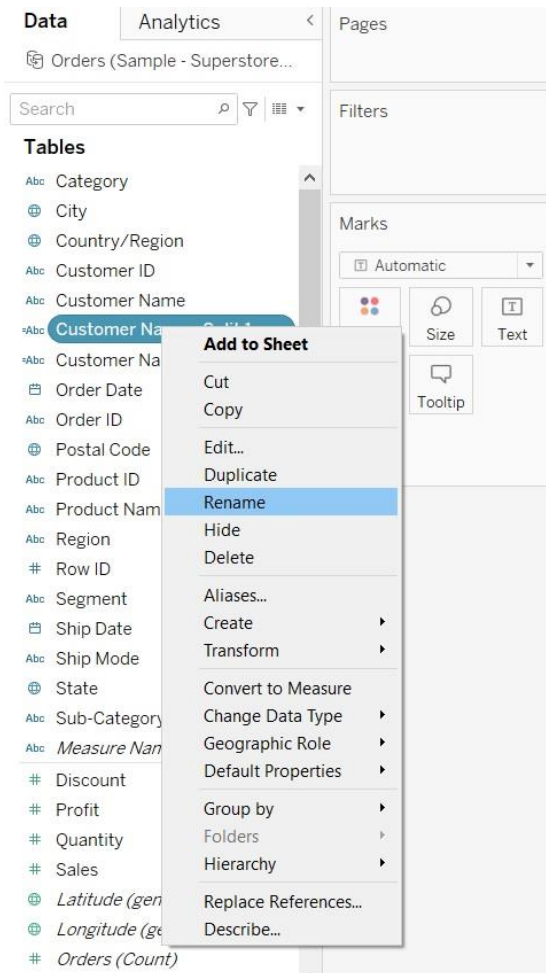
STEPS TO CREATE AN AUTOMATIC SPLIT
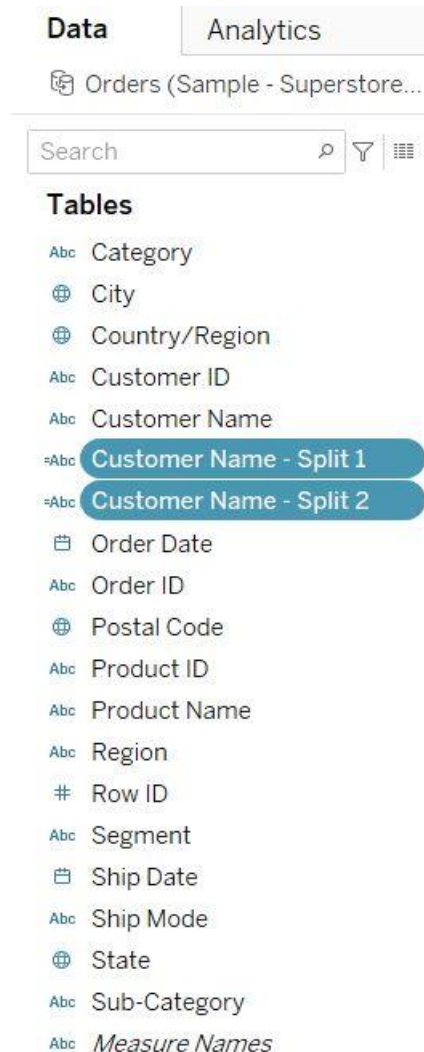
Step 3: The new fields created by the split will now be visible in Data Pane as Calculated Fields

STEPS TO CREATE AN AUTOMATIC SPLIT

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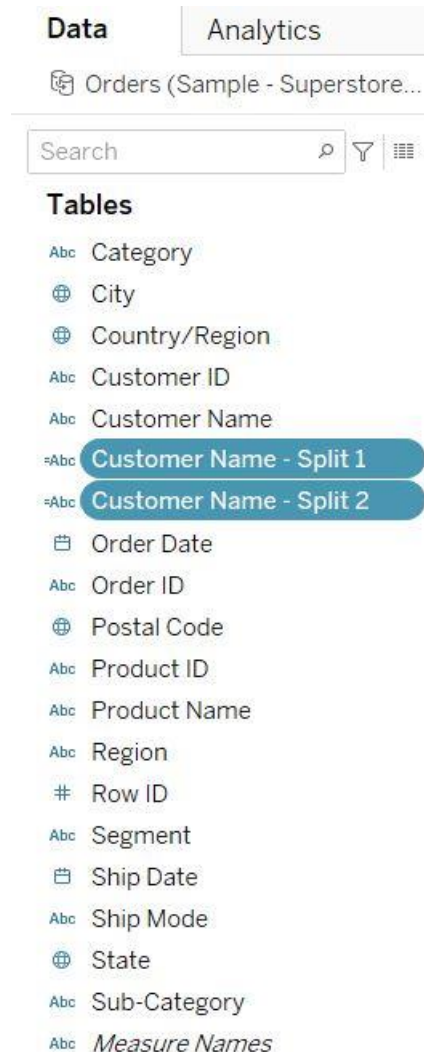
Step 4: If required the new fields can be renamed. Right-click the field, **Rename**

STEPS TO CREATE AN AUTOMATIC SPLIT

Step 5: To confirm if split was done correctly drag and drop the **Customer Name**, **First Name** and **Last Name** to the **Rows** shelf
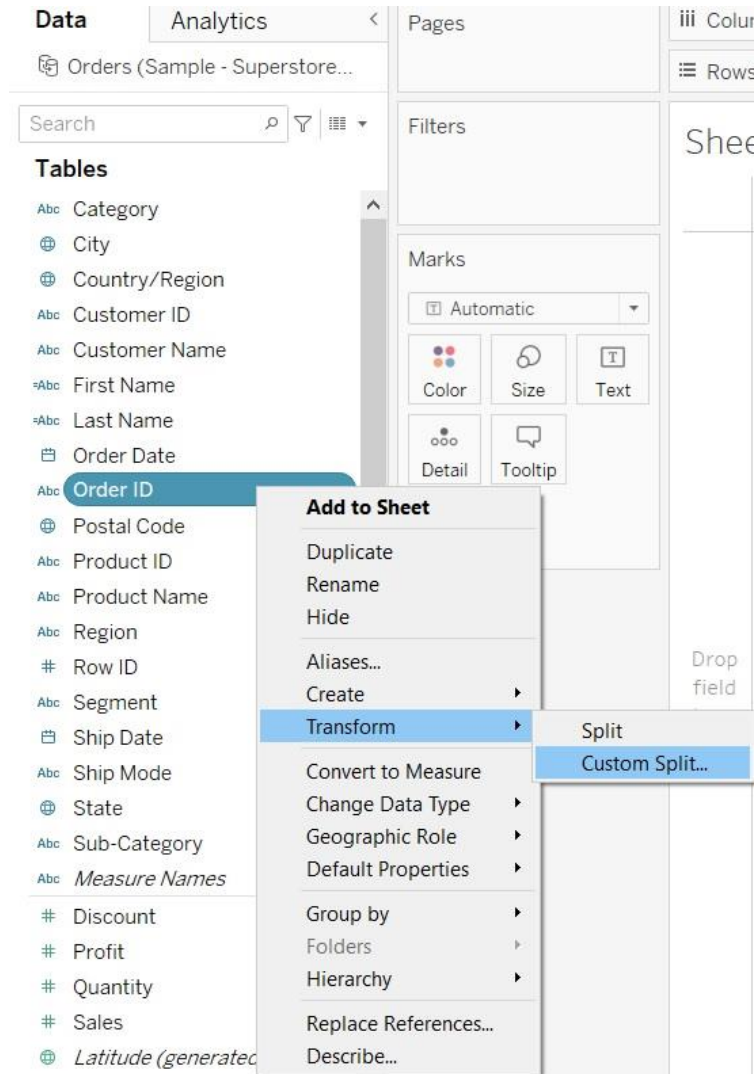
STEPS TO CREATE A CUSTOM SPLIT

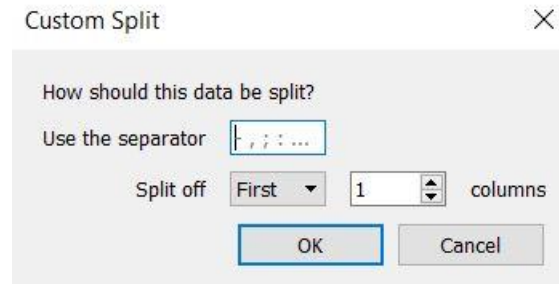**Step 1:** Go to the worksheet and select the field i.e., **Order ID** to be split
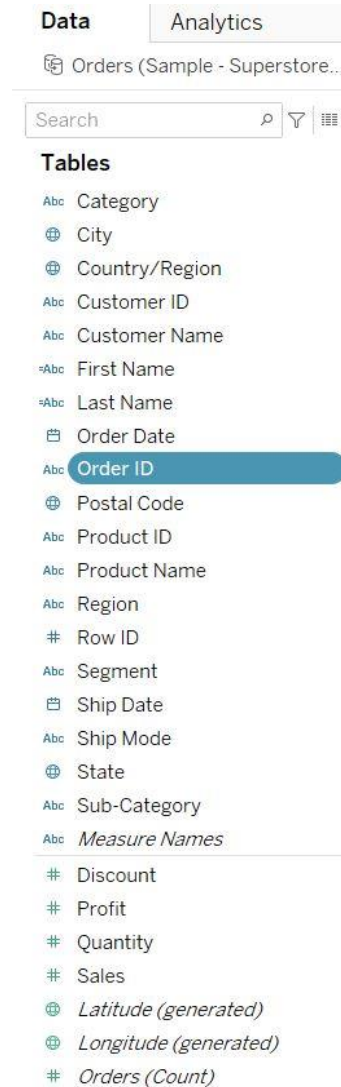
STEPS TO CREATE A CUSTOM SPLIT

Step 2: Right-click the field i.e., **Order ID**, **Transform** > **Custom Split**

STEPS TO CREATE A CUSTOM SPLIT

Step 3: The **Custom Split** dialog box will appear

STEPS TO CREATE A CUSTOM SPLIT

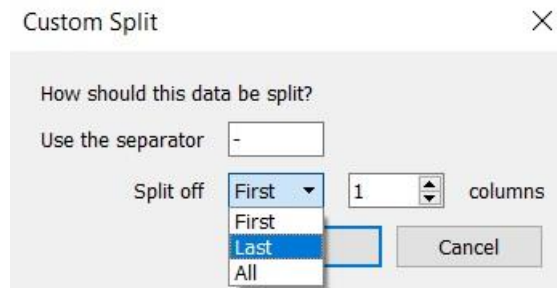**Step 4:** Enter the separator as "**-**" in the **Use the separator**

STEPS TO CREATE A CUSTOM SPLIT

Step 5: Select the **Last** from the drop-down for **Split off**

STEPS TO CREATE A CUSTOM SPLIT
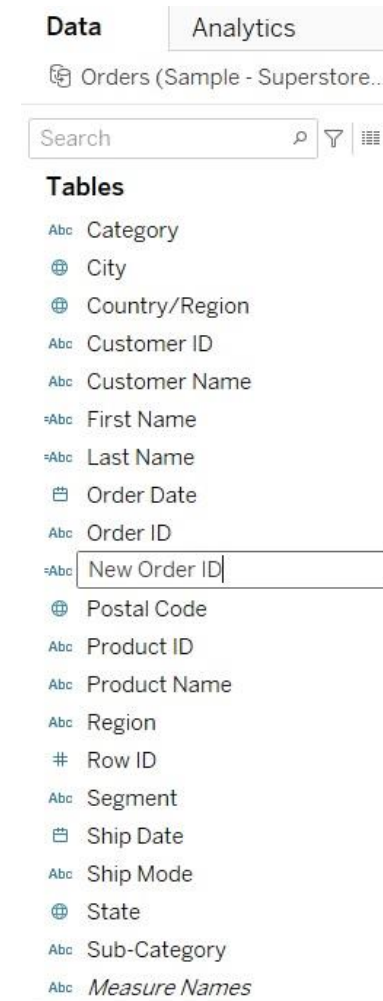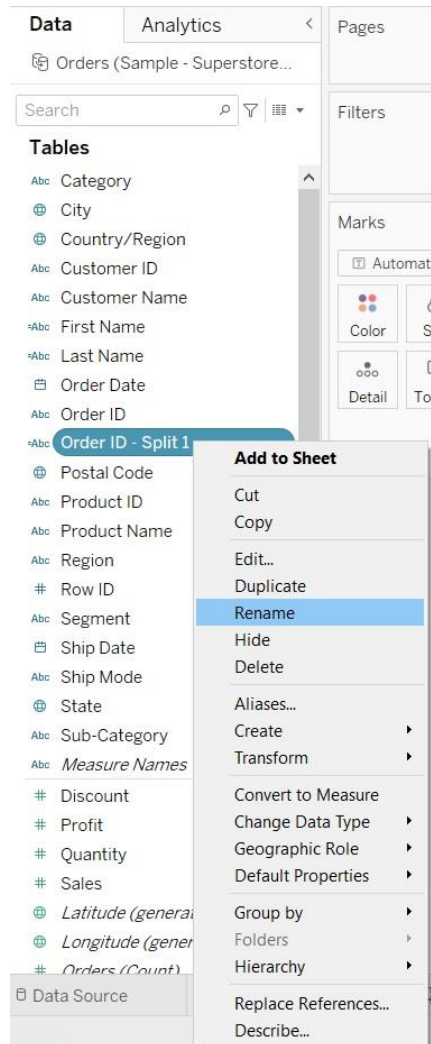
Step 6: Click **OK**

STEPS TO CREATE A CUSTOM SPLIT

Step 7: The new field created by the custom split will now be visible in Data Pane as Calculated Field
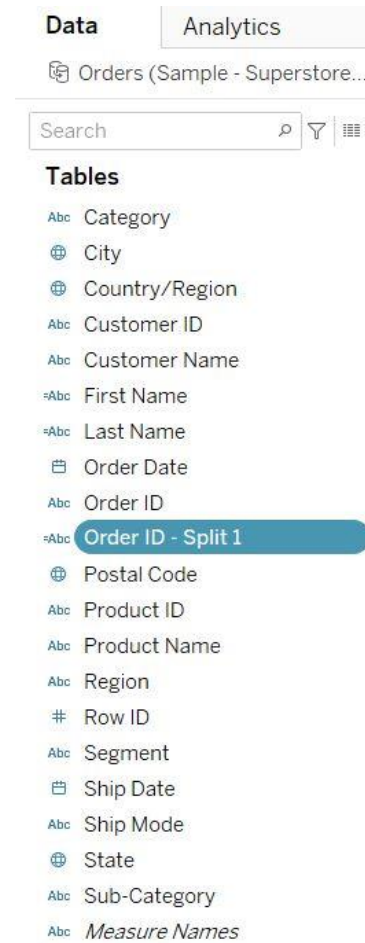
STEPS TO CREATE A CUSTOM SPLIT

Step 8: If required the new field can be renamed.
Right-click the field, **Rename**

STEPS TO CREATE A CUSTOM SPLIT

Step 9: To confirm if split was done correctly drag and drop the **Order ID** & **New Order ID** to the **Rows** shelf