COMBINED AND CALCULATED FIELDS

Combine fields to create a cross product of members from different dimensions. We can combine dimensions if we want to encode a data view using multiple dimensions.

For a **Combined Field**, comma (" , ") is the default separator assigned by Tableau between the two fields/members.
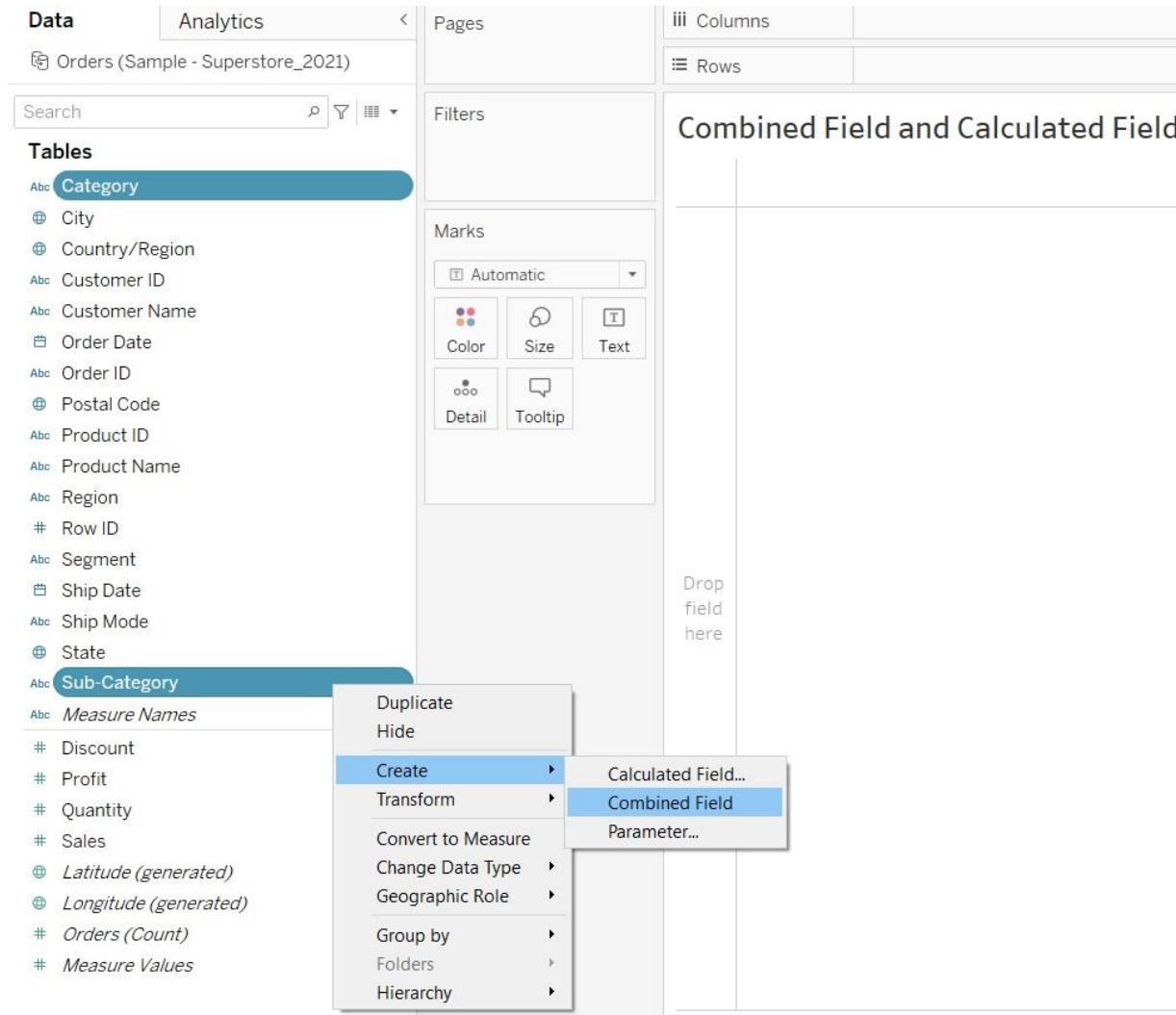**We CAN modify it to any other character ONLY after the first-time creation of the combined field.**

For a **Calculated Field** we can assign anything i.e., "-" or a simple space " " as the separator between the two fields/members.
We CAN modify it during the first-time creation of the calculated field itself.
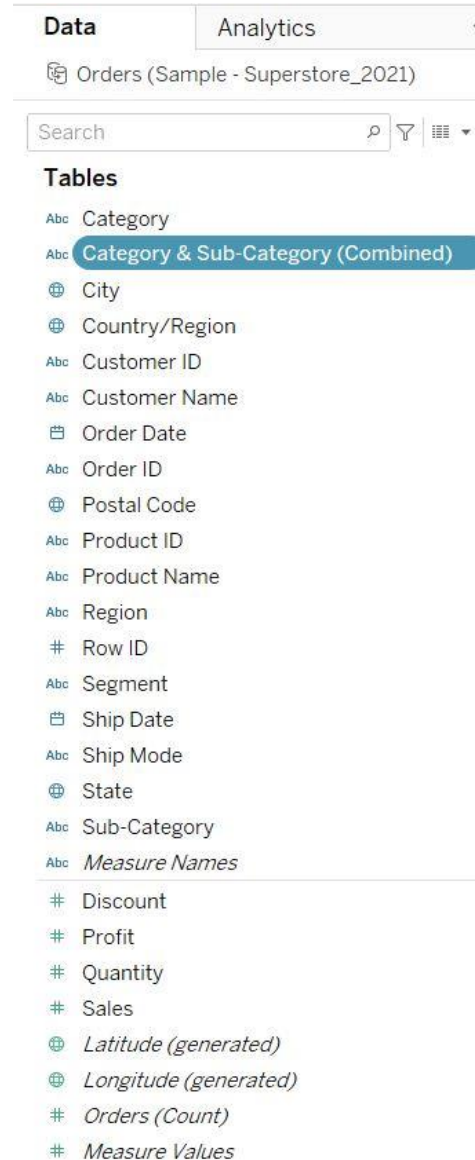
STEPS TO CREATE A COMBINED FIELD

Step 1: To combine the fields, select multiple dimensions in the **Data** pane and then **right-click** (control-click on a Mac) **the fields** and select **Create** > **Combined Field**
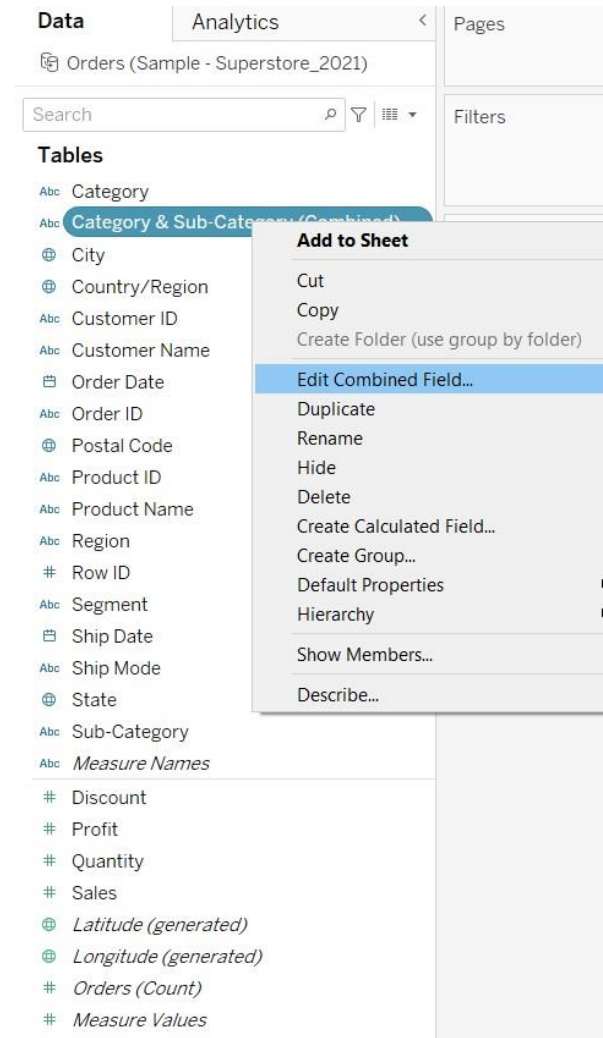
STEPS TO CREATE A COMBINED FIELD

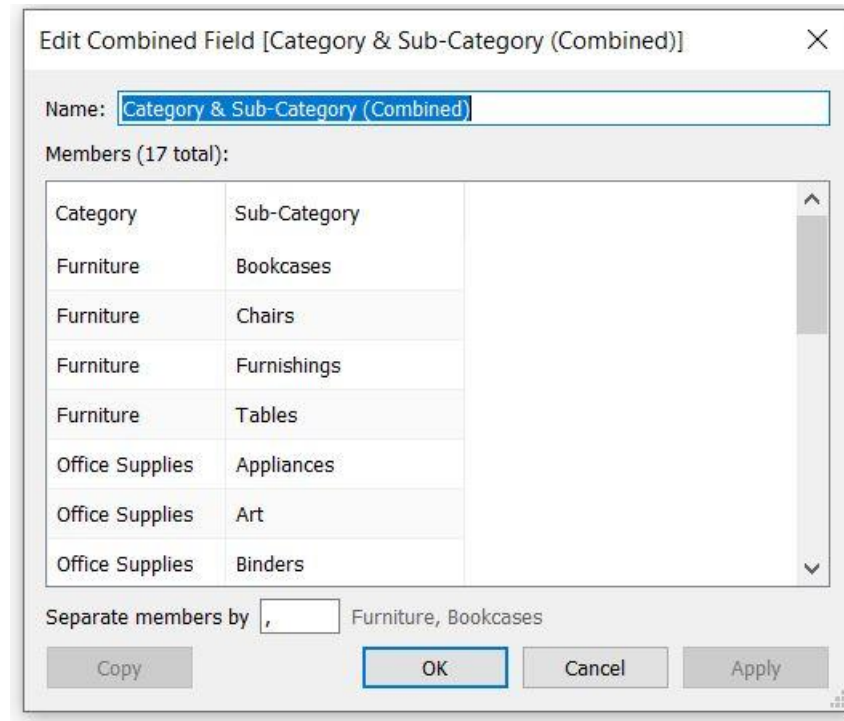**Step 2:** The **Combined Field** will now be present in the **Data** pane

STEPS TO CREATE A COMBINED FIELD

Step 3: If required, **right-click** (control-click on a Mac) **the field** and select **Edit Combined Field**

STEPS TO CREATE A COMBINED FIELD

Step 4: The default separator between the members for a Combined Field is a comma (" , "). If required, we can change the separator in this **Edit Combined Field box**

STEPS TO CREATE A COMBINED FIELD

Step 5: Drag **Category & Sub-Category(Combined)** field to **Rows** shelf
If required adjust the width of the column to accommodate
the Header of combined field

STEPS TO CREATE A COMBINED FIELD

Step 6: Drag **Sales** to **the view**

Pages

iii Columns

≡ Rows   Category & Sub-Cat..

Filters

Combined Field and Calculated Field

Category & Sub-Category (Combined)

Furniture, Bookcases	114,880
Furniture, Chairs	328,449
Furniture, Furnishings	91,705
Furniture, Tables	206,966
Office Supplies, Appliances	107,532
Office Supplies, Art	27,119
Office Supplies, Binders	203,413
Office Supplies, Envelopes	16,476
Office Supplies, Fasteners	3,024
Office Supplies, Labels	12,486
Office Supplies, Paper	78,479
Office Supplies, Storage	223,844
Office Supplies, Supplies	46,674
Technology, Accessories	167,380
Technology, Copiers	149,528
Technology, Machines	189,239
Technology, Phones	330,007

Marks
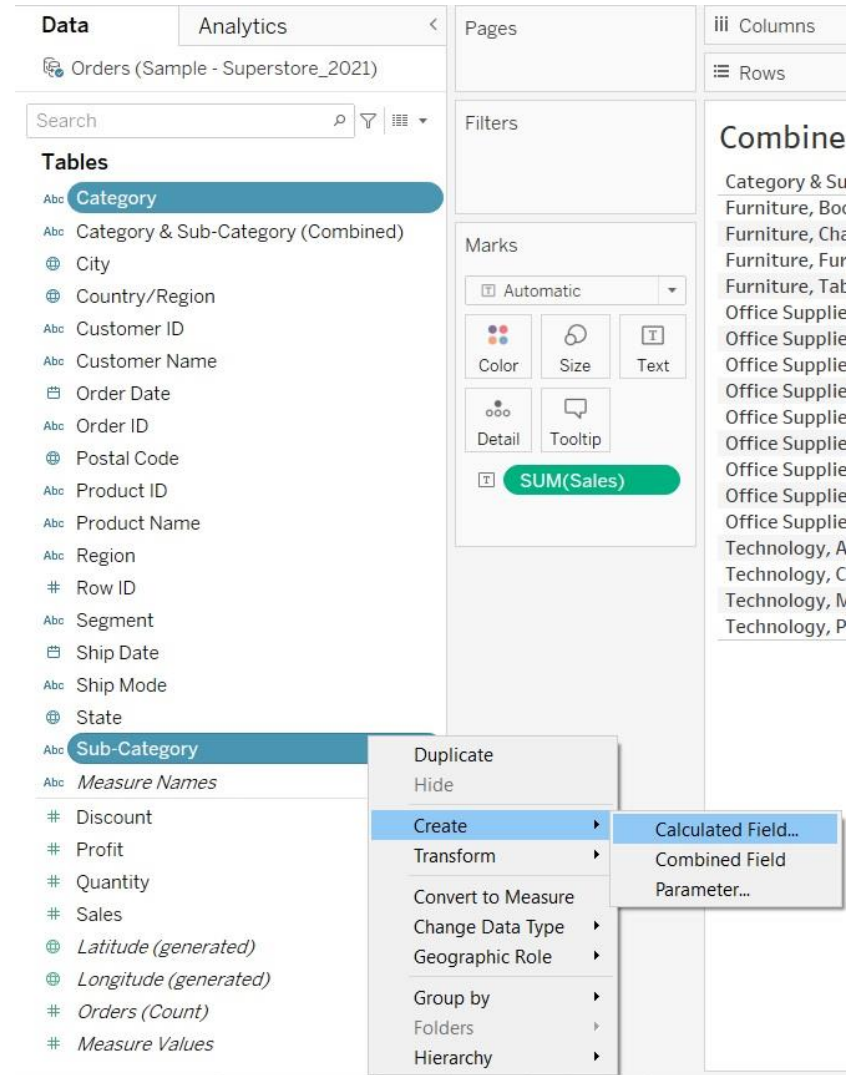
Automatic ▾

Color   Size   Text

Detail   Tooltip

SUM(Sales)

STEPS TO CREATE A CALCULATED FIELD

Step 1: Select multiple dimensions in the **Data** pane and then **right-click** (control-click on a Mac) **the fields** and select **Create** > **Calculated Field**
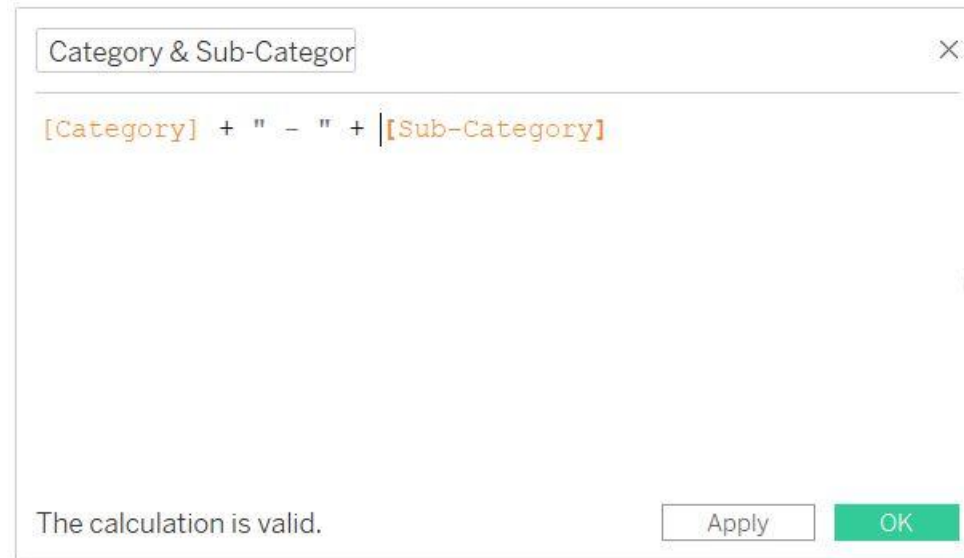
STEPS TO CREATE A CALCULATED FIELD

Step 2: Enter the name for field as **Category & Sub-Category (Calculated)**
Enter the required formula for string concatenation
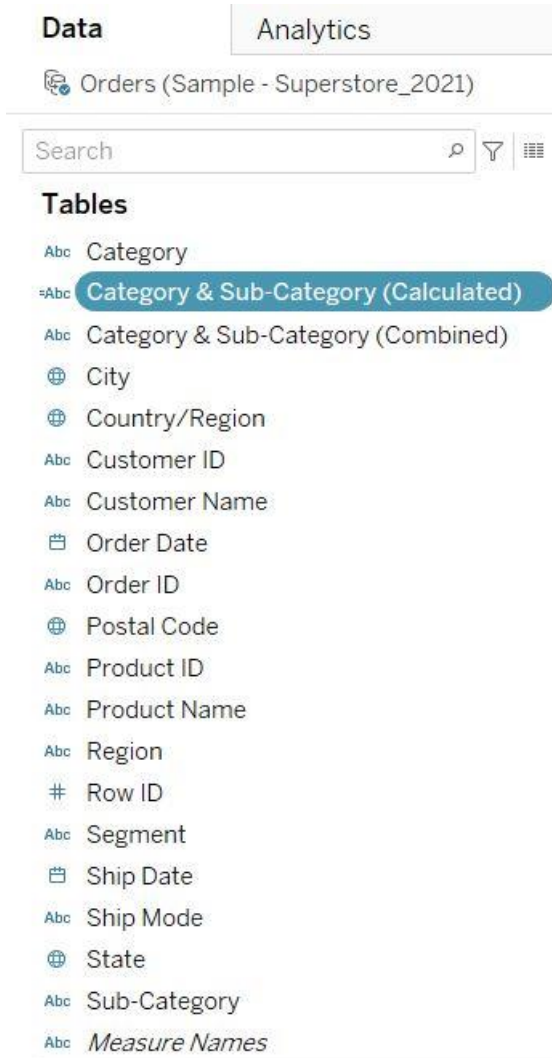Confirm that **"The calculation is valid"** is visible
Once finished click **OK**

STEPS TO CREATE A CALCULATED FIELD

Step 3: The **Calculated Field** will now be present in the **Data** pane

STEPS TO CREATE A CALCULATED FIELD

Step 4: Drag **Category & Sub-Category(Calculated)** field to **Rows** shelf

STEPS TO CREATE A CALCULATED FIELD

Step 5: If required we can also drag **Profit** to the view

Pages

iii Columns		Measure Names
☰ Rows	Category & Sub-Cat..	Category & Sub-Cat..

Filters

Measure Names

Marks

T Automatic ▾

Color Size Text

Detail Tooltip

T Measure Values

Measure Values

SUM(Sales)

SUM(Profit)

Combined Field and Calculated Field

Category & Sub-Category (Combined)	Category & Sub-Category (Calculated)	Sales	Profit
Furniture, Bookcases	Furniture - Bookcases	114,880	-3,473
Furniture, Chairs	Furniture - Chairs	328,449	26,590
Furniture, Furnishings	Furniture - Furnishings	91,705	13,059
Furniture, Tables	Furniture - Tables	206,966	-17,725
Office Supplies, Appliances	Office Supplies - Appliances	107,532	18,138
Office Supplies, Art	Office Supplies - Art	27,119	6,528
Office Supplies, Binders	Office Supplies - Binders	203,413	30,222
Office Supplies, Envelopes	Office Supplies - Envelopes	16,476	6,964
Office Supplies, Fasteners	Office Supplies - Fasteners	3,024	950
Office Supplies, Labels	Office Supplies - Labels	12,486	5,546
Office Supplies, Paper	Office Supplies - Paper	78,479	34,054
Office Supplies, Storage	Office Supplies - Storage	223,844	21,279
Office Supplies, Supplies	Office Supplies - Supplies	46,674	-1,189
Technology, Accessories	Technology - Accessories	167,380	41,937
Technology, Copiers	Technology - Copiers	149,528	55,618
Technology, Machines	Technology - Machines	189,239	3,385
Technology, Phones	Technology - Phones	330,007	44,516