COMBINED SET

We can combine two sets to compare the members
When we combine sets, we create a new set containing either the combination of all members, just the members that exist in both, or members that exist in one set but not the other

Combining sets allows us to answer complex questions and compare cohorts of our data.
For example, to determine the loyal customers who are in both Top 10 Sales and Profit, we can combine two sets containing the Top 10 Customers by Sales and Top 10 Customers by Profit and return only the customers that exist in both sets

Pre-condition for creating a **Combined Set** is that both Sets need to be created from the same Dimension
That is, we can combine a set containing the Top 10 Customers by Sales with another set containing the Top 10 Customers by Profit
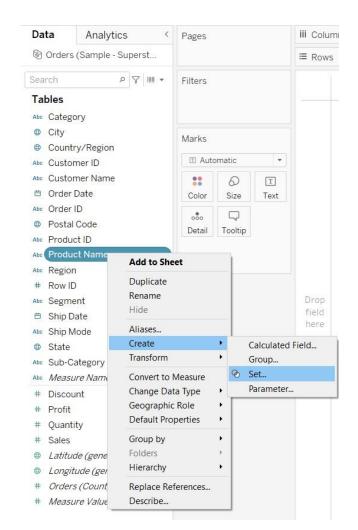However, we cannot combine the top customers set with a top products set

COMBINED SET

Given below are the various options while combining sets:

- **All Members in Both Sets** - the combined set will contain all the members from both sets

- **Shared Members in Both Sets** - the combined set will only contain members that exist in both sets

- **Except Shared Members** - the combined set will contain all members from the specified set that don't exist in the second set. These options are equivalent to subtracting one set from another. For example, if the first set contains Bookcases, Tables, and Chairs and the second set contains Chairs and Stencils; combining the first set except the shared members would contain just Bookcases and Tables. Chairs is removed because it exists in the second set
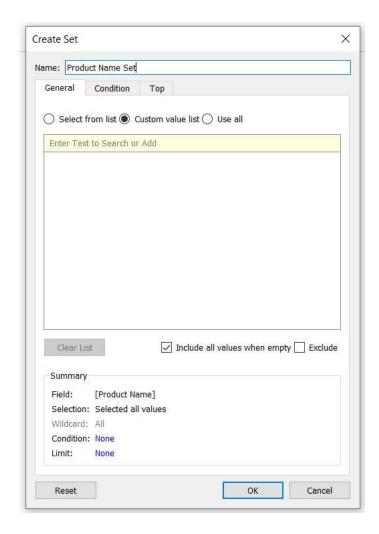
COMBINED SET

STEP 1: Let us start with the below mentioned Scatter Plot of **Sales** Vs **Profit** with **Product Name** in the **Detail** of **Marks** card
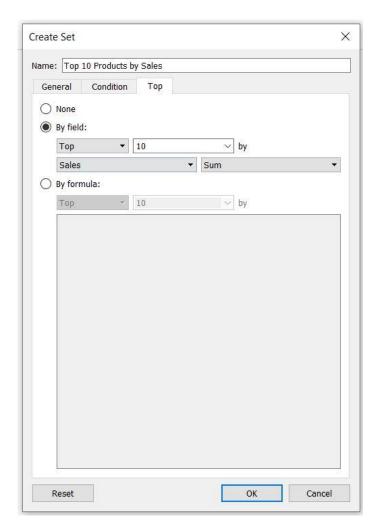
COMBINED SET

STEP 2: Create the 1ˢᵗ Set, Right-click **Product Name**
Select **Create** > **Set**

COMBINED SET

STEP 3: Enter the name for Set as **Top 10 Products by Sales**
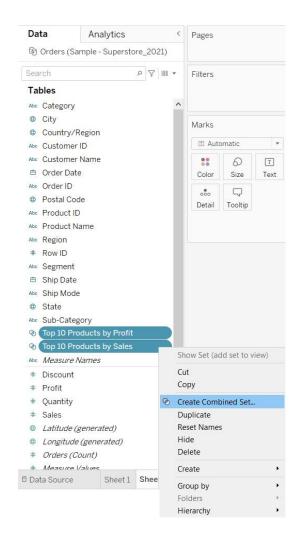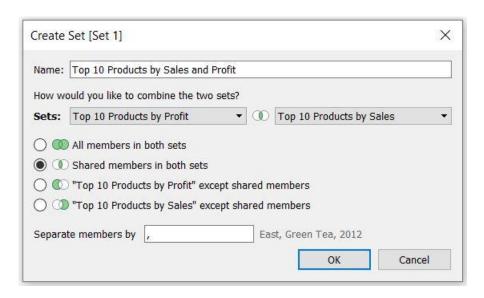## Under **Top**, Select **By field, Top 10** by **Sales Sum**

COMBINED SET

STEP 4: Similarly create the 2nd Set for **Top 10 Products by Profit**
Under **Top**, Select **By field, Top 10** by **Profit Sum**

COMBINED SET

STEP 5: In the **Data pane**, select the two sets you want to combine
Right-click the sets and select **Create Combined Set**

COMBINED SET

STEP 6: Type a name for the new combined set
e.g: **Top 10 Products by Sales and Profit**
Verify that the two sets that we want to combine
are selected by default in the two drop-down menus
For this example, we will select the **Shared members in both sets**

COMBINED SET

STEP 7: Drag and drop the combined set **Top 10 Products by Sales and Profit** to the **Filters** shelf

COMBINED SET

STEP 8: If required drag and drop **Product Name** on the **Label** on **Marks** card