METHODS TO COMPARE MULTIPLE MEASURES
IN A SINGLE VIEW

Sometimes there may be a requirement to compare multiple measures in a single view.

In Tableau there are different methods to carry out this type of analysis.
But here we will go through the standard 3 methods.

Method-I: Creating Individual Axis (separate axis for each measure)

Method-II: Creating Combined/Blended Axis (two measures share an axis)

Method-III: Creating Dual Axis (two independent axes layered in the same pane)

We will go through a simple example of comparing the Sales and Profit measures for certain Sub-Categories using all 3 methods.
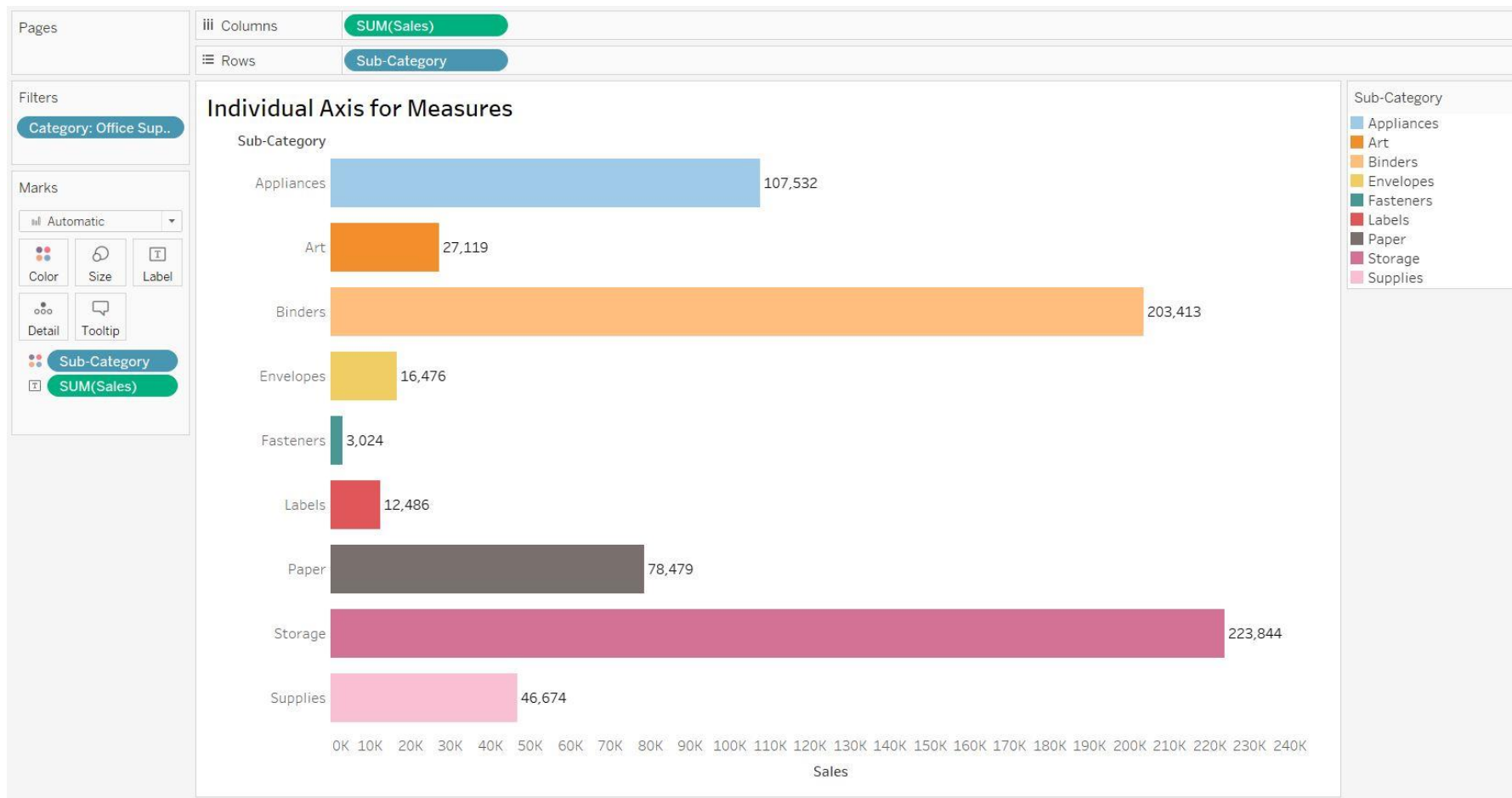
METHOD-I CREATING INDIVIDUAL AXIS

Step 1: Let us start with the below mentioned view
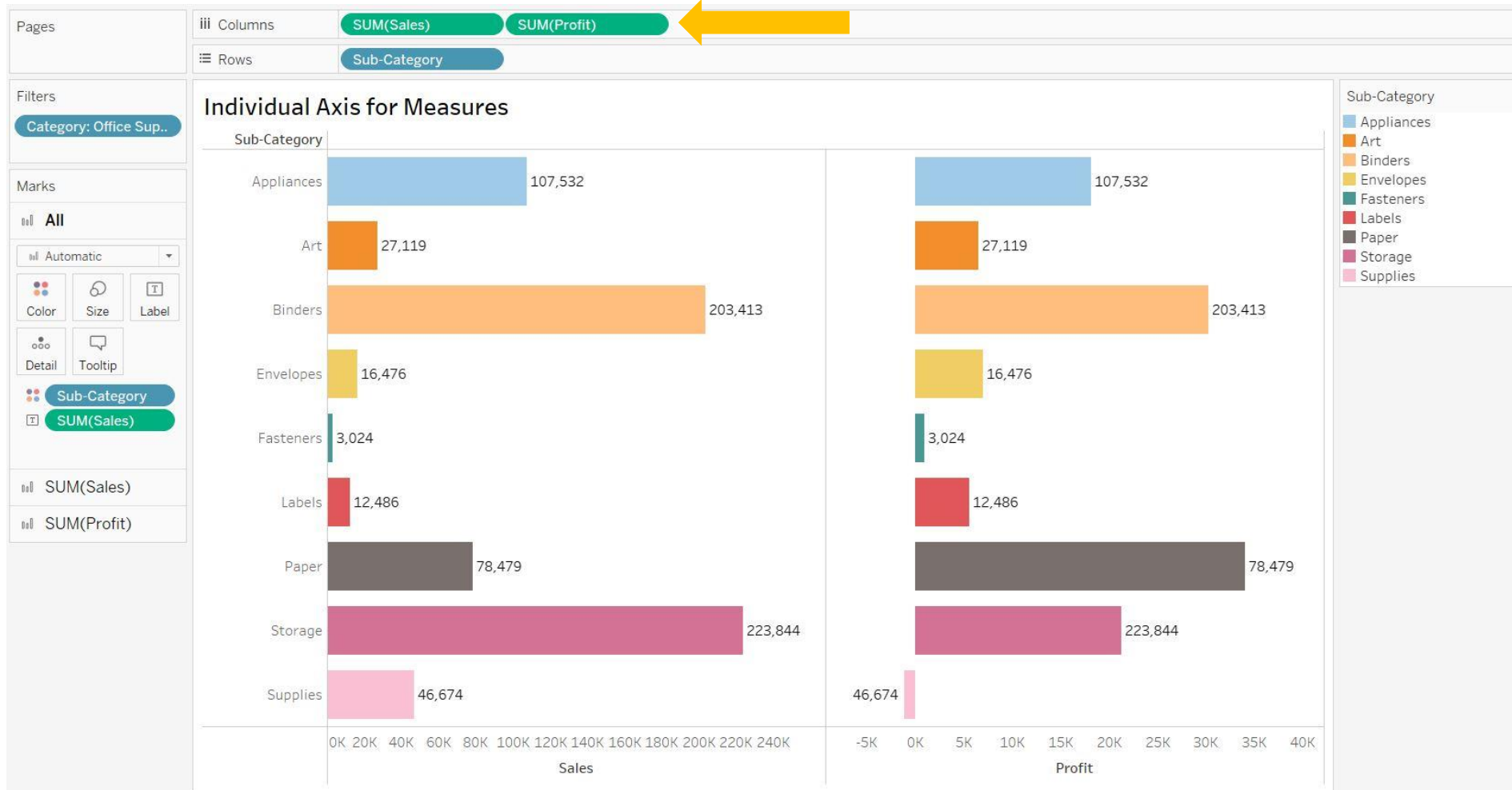   **Rows shelf:** Sub-Category
        Columns shelf: Sales
        Filters shelf: Category with Office Supplies alone selected

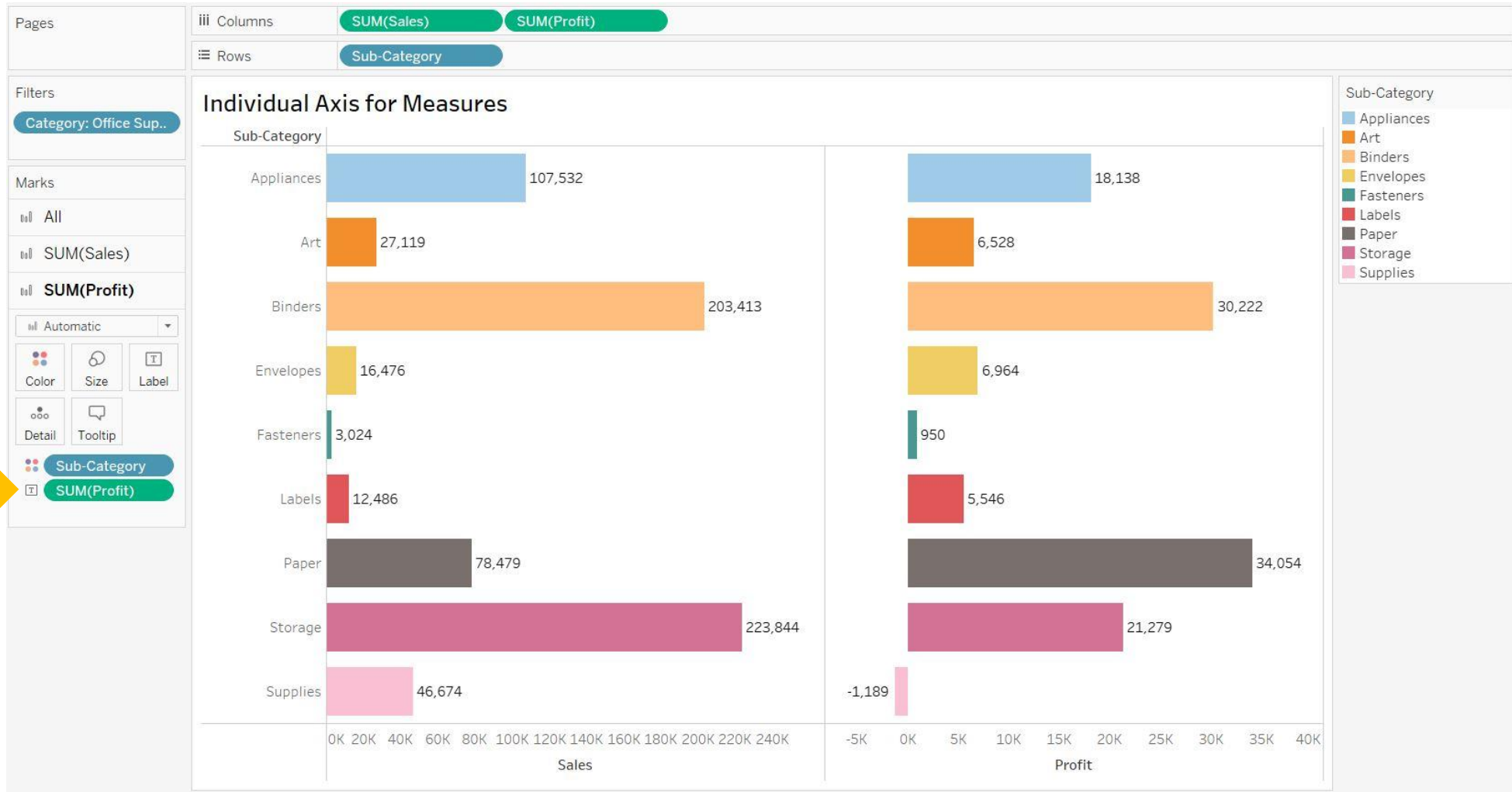# METHOD-I CREATING INDIVIDUAL AXIS

Step 2: Drag and drop **Profit** next to **Sales** in **Columns** shelf

METHOD-I CREATING INDIVIDUAL AXIS

Step 3: Drag and drop **Profit** to **Label** of **Marks** card of **Profit**
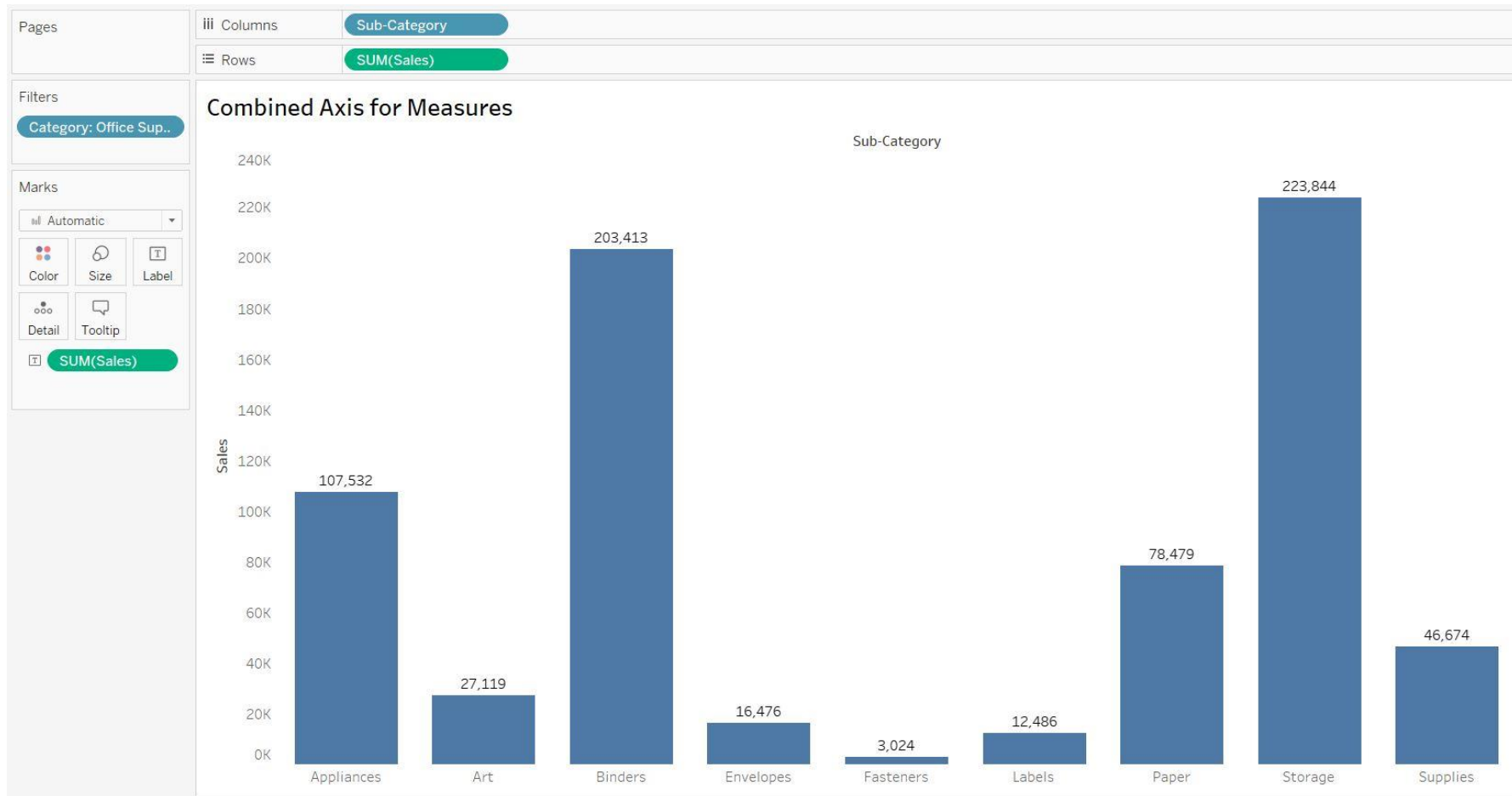This is the final Individual Axis view

METHOD-II CREATING BLENDED AXIS

Step 1: Let us start with the below mentioned view
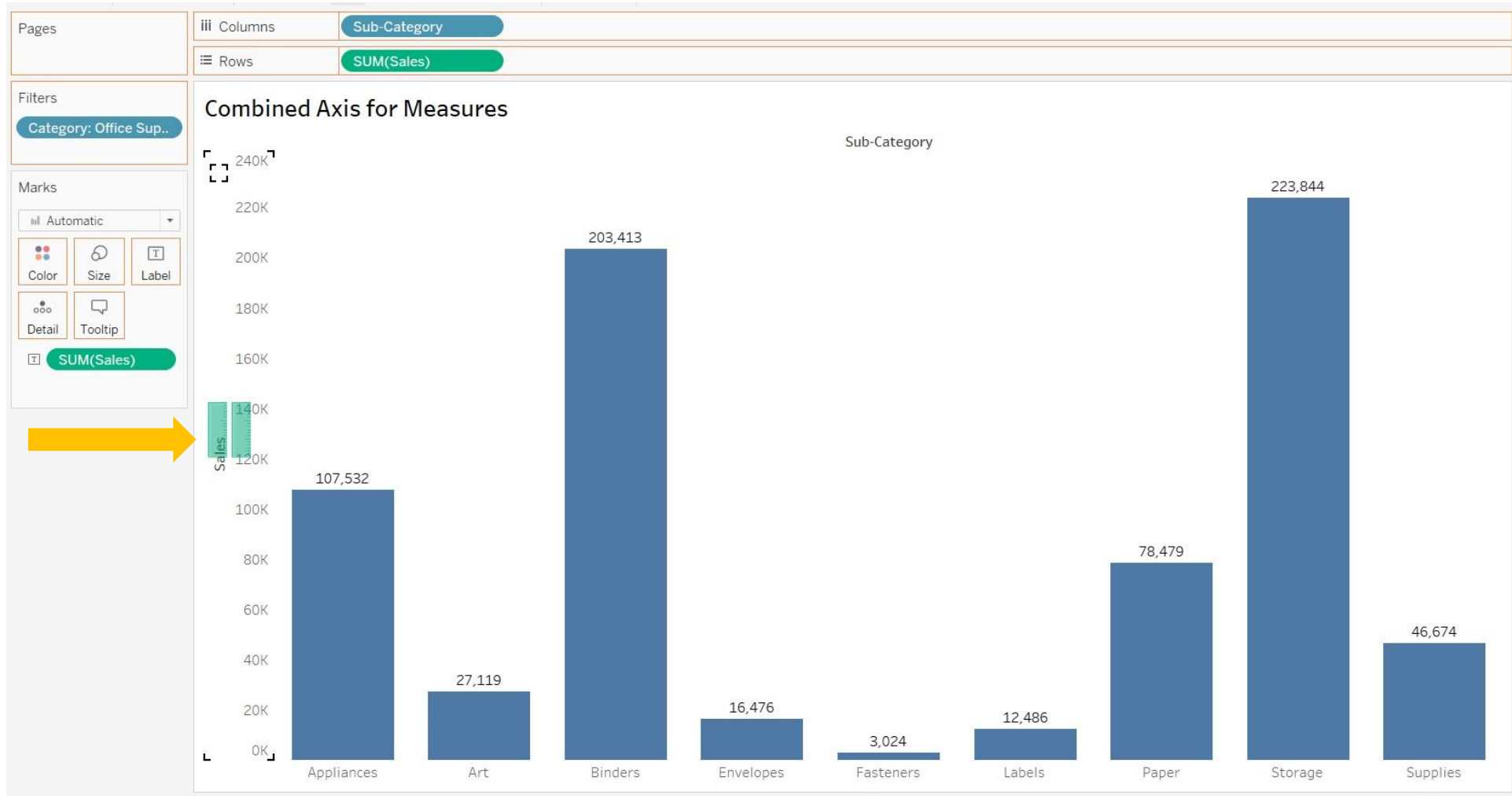**Columns shelf:** Sub-Category
Rows shelf: Sales
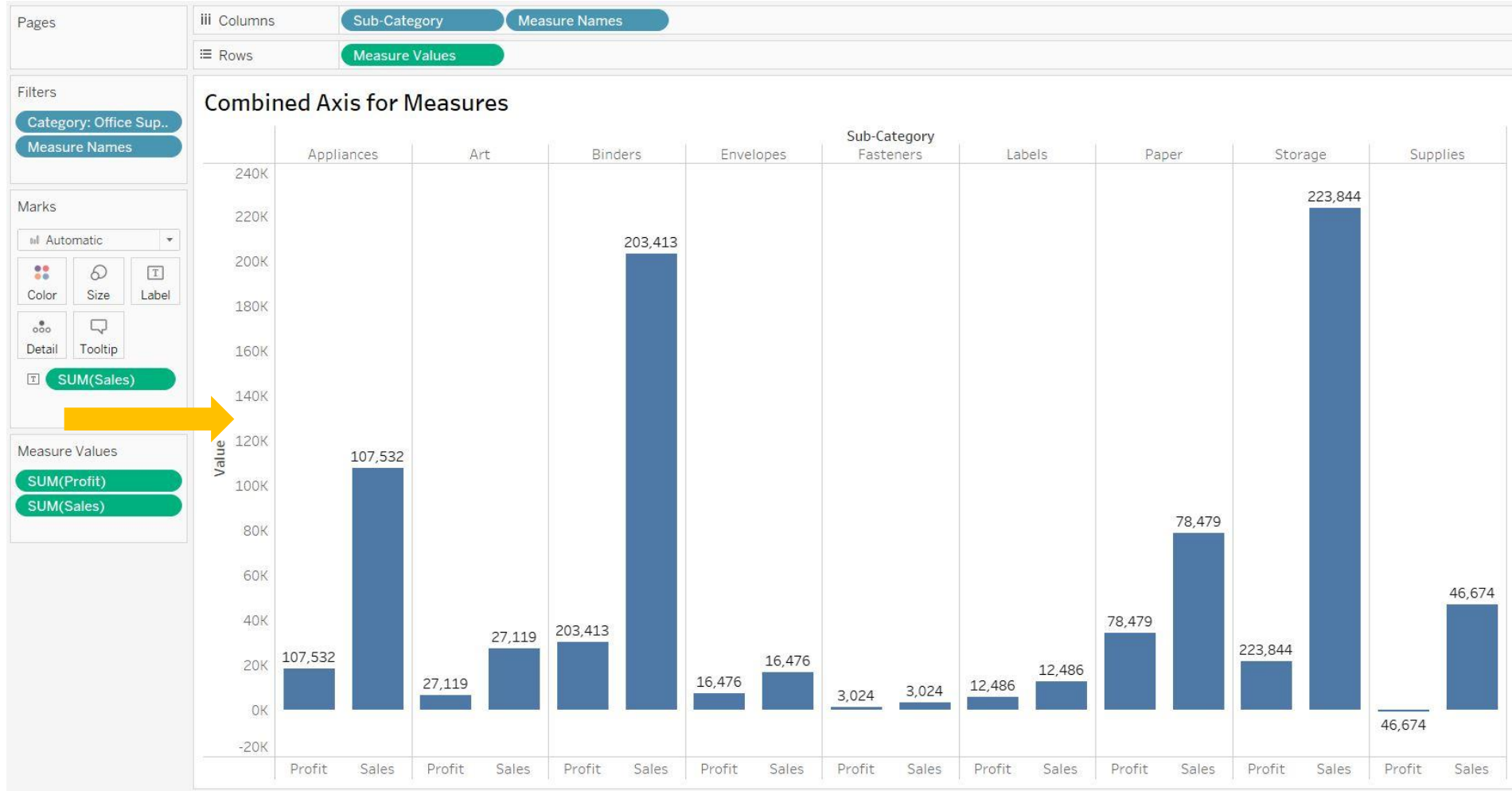**Filters shelf:** Category with Office Supplies alone selected

METHOD-II CREATING BLENDED AXIS

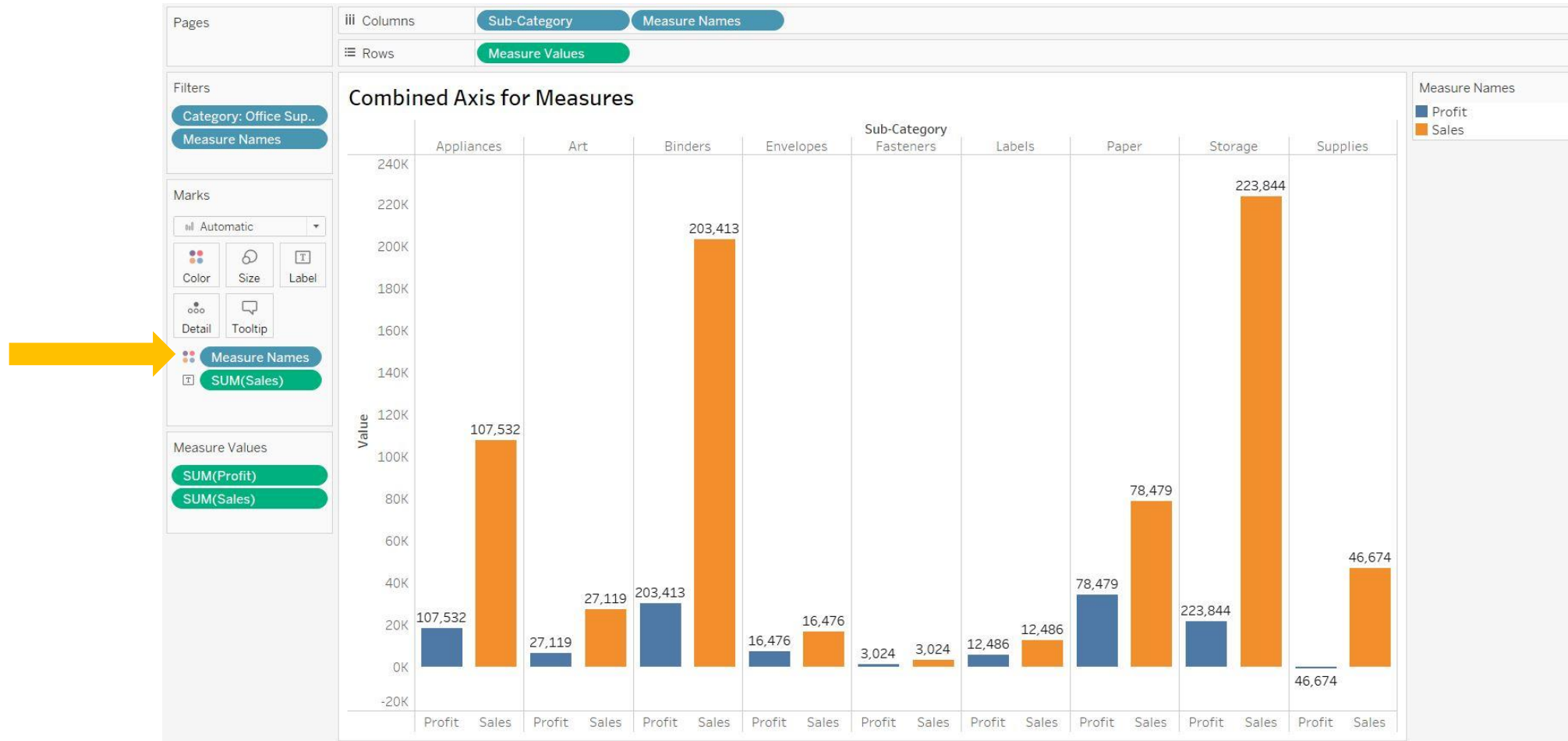**Step 2:** Drag and drop **Profit** onto the existing **Sales** Axis

Step 3: Now we can observe that both Profit and Sales is shown along one continuous axis

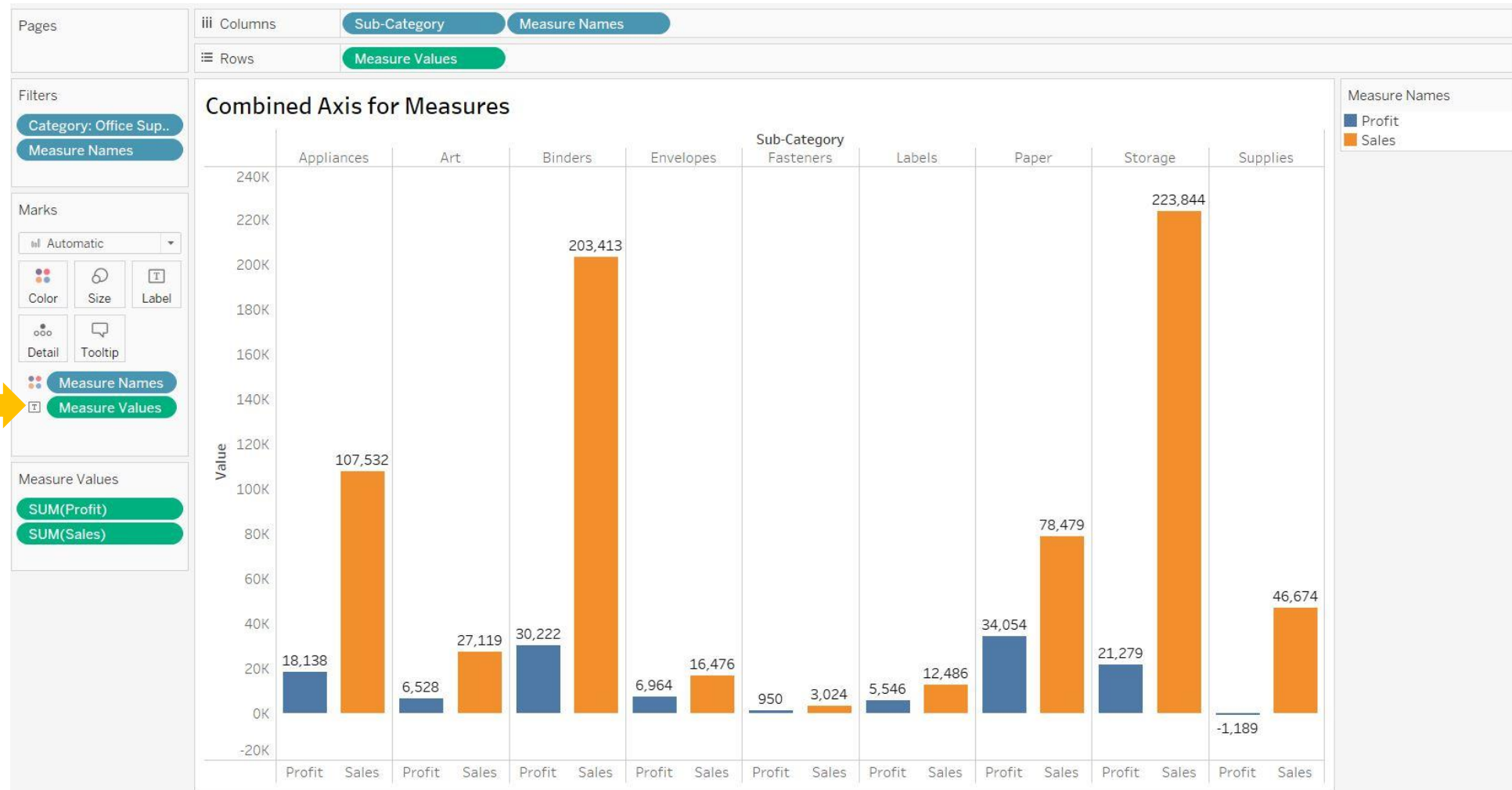# METHOD-II CREATING BLENDED AXIS

Step 4: If required drag and drop **Measure Names** from the **Data** pane to **Color** on **Marks** card

METHOD-II CREATING BLENDED AXIS

Step 5: If required drag and drop **Measure Values** from the **Data** pane
to **Label** on **Marks** card
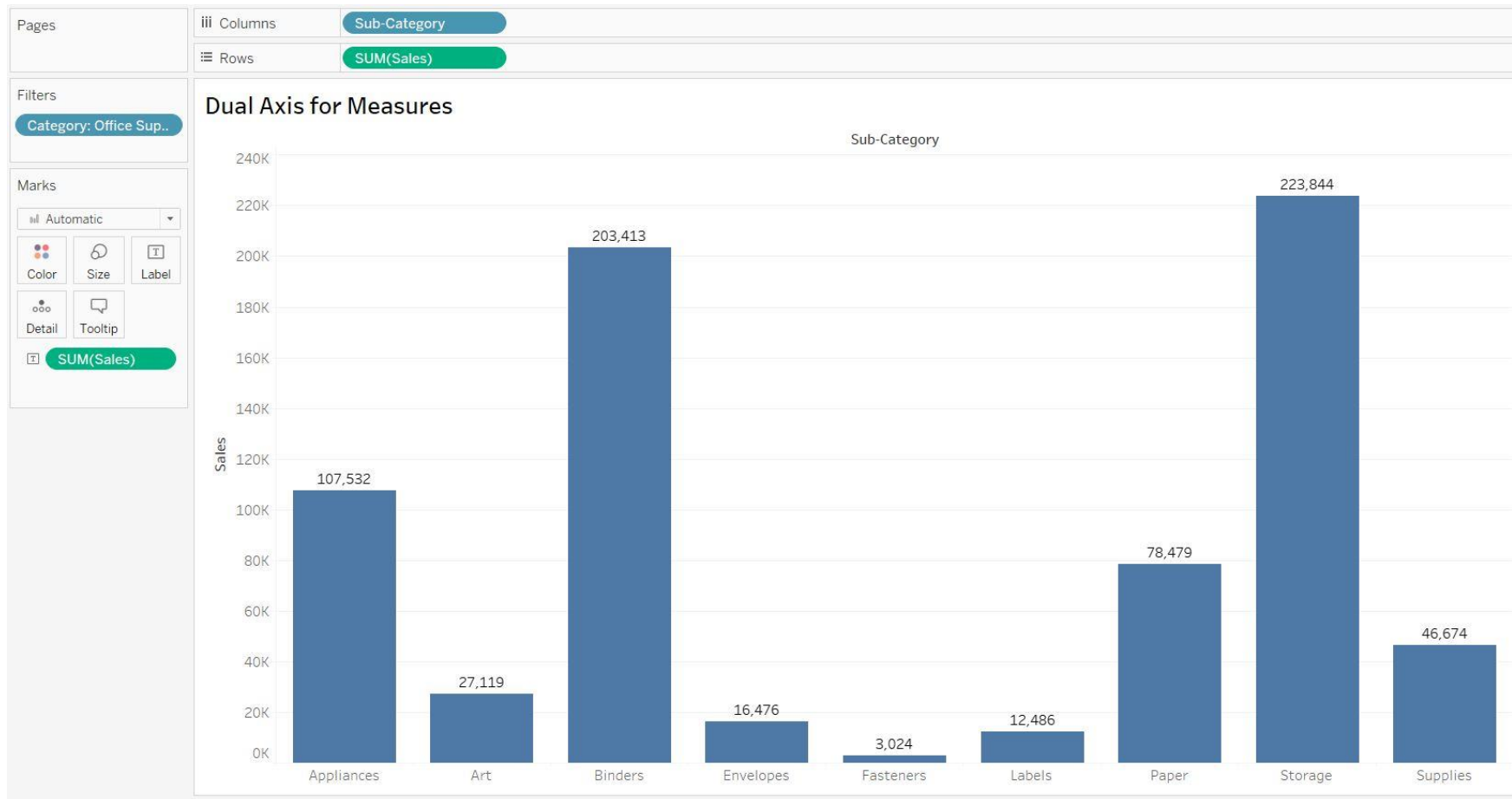This is the final Blended Axis view

METHOD-III CREATING DUAL AXIS

Step 1: Let us start with the below mentioned view
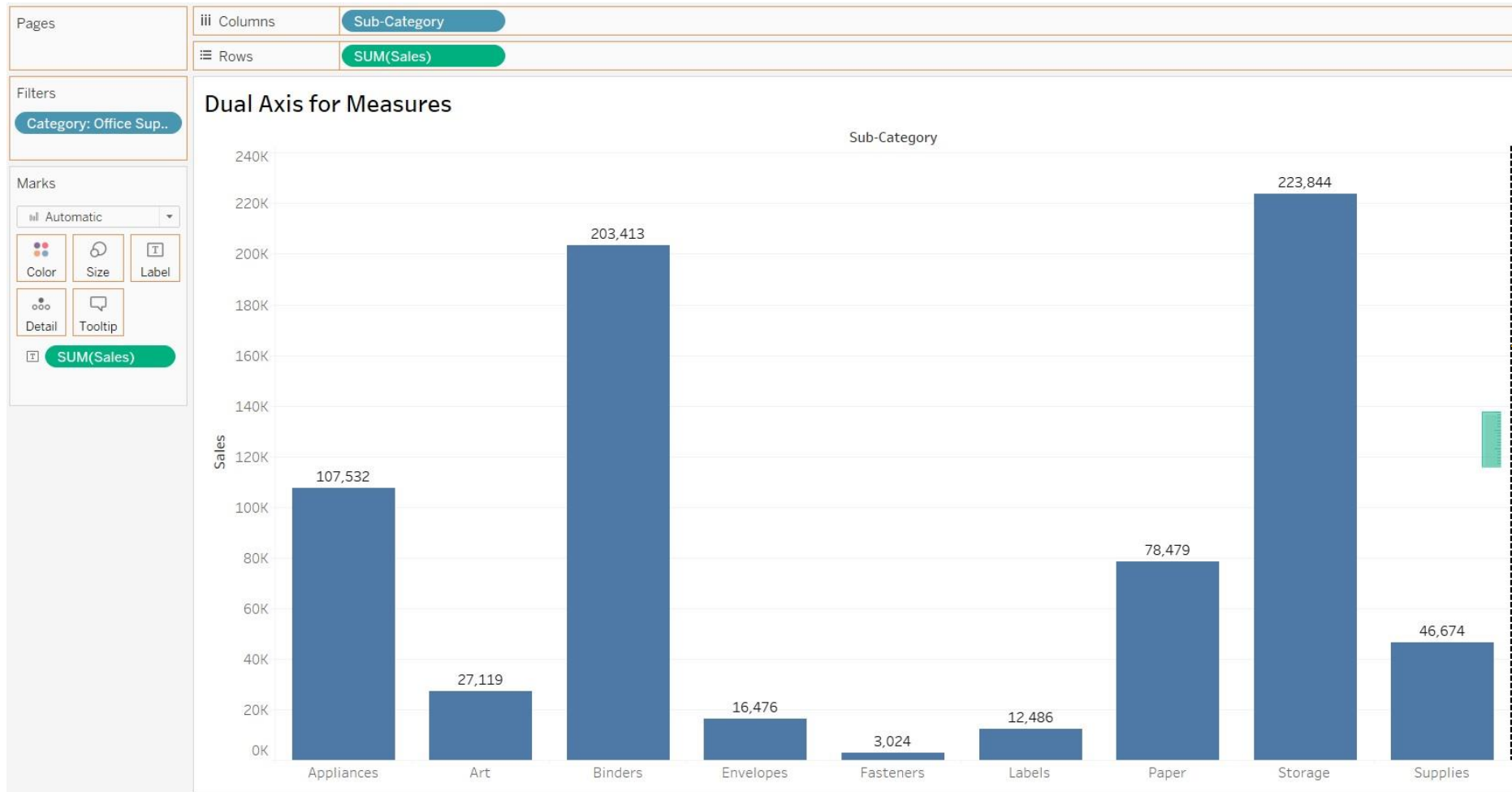**Columns shelf:** Sub-Category
Rows shelf: Sales
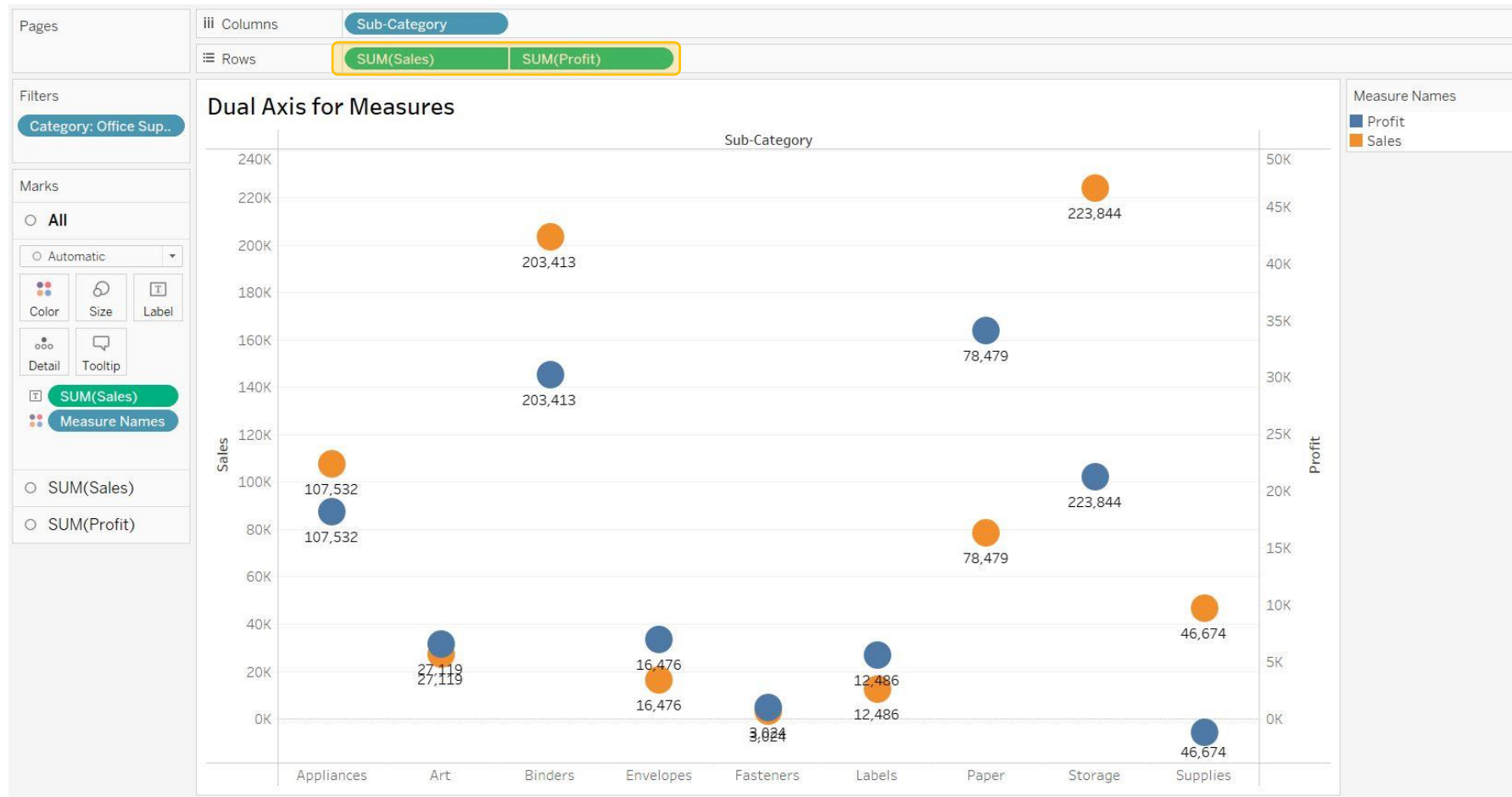**Filters shelf:** Category with Office Supplies alone selected

METHOD-III CREATING DUAL AXIS

Step 2: Drag the **Profit** to the right side of the view (opposite to Sales) and drop it when we see a black dashed line appear.

METHOD-III CREATING DUAL AXIS

Step 3: This is the default view once the measures are combined
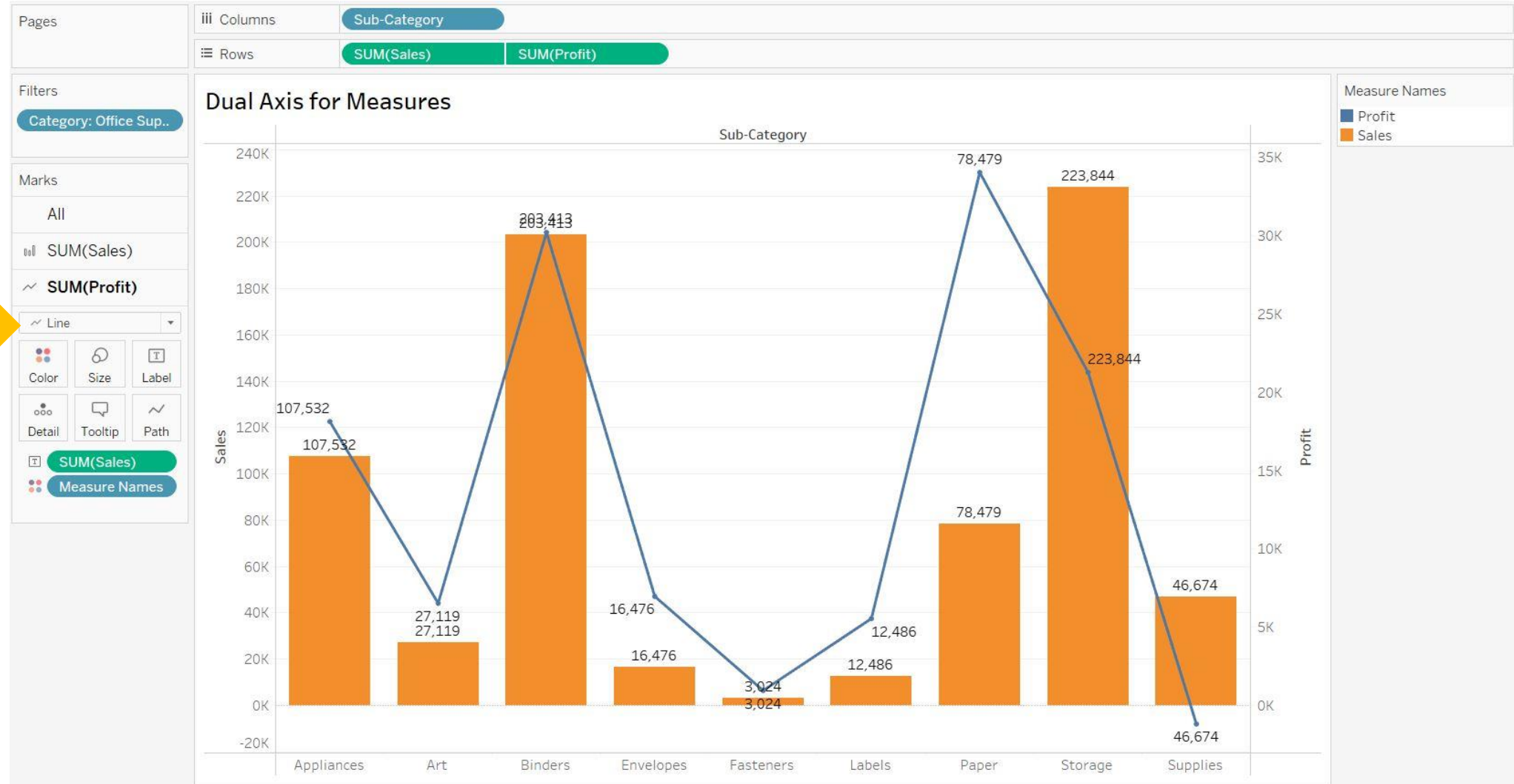We can now see that both Sales and Profit are present
within the same green pill

METHOD-III CREATING DUAL AXIS

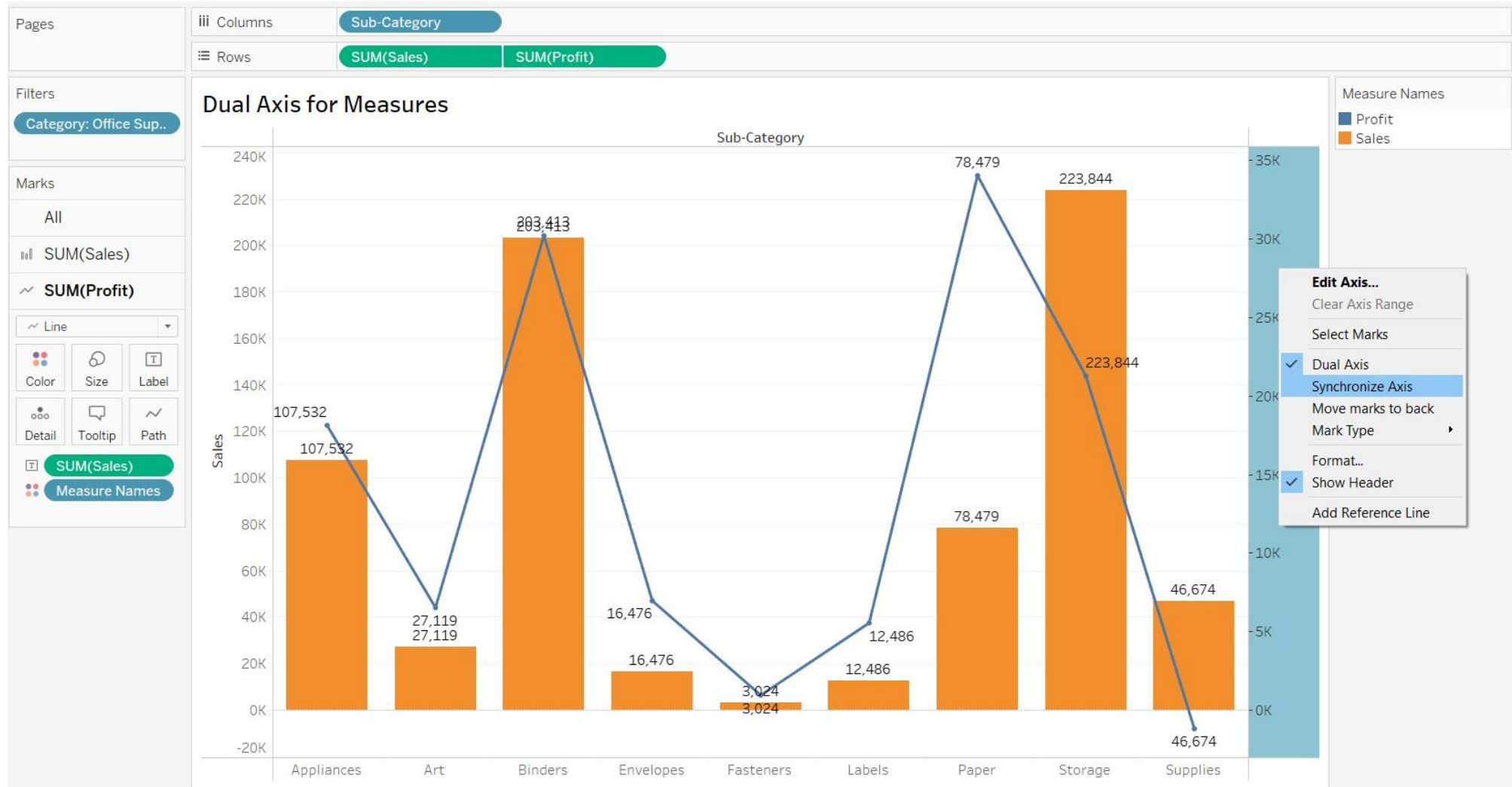**Step 4:** In the **Marks** card for **Sales** from the drop-down select **Bar** Marks type

METHOD-III CREATING DUAL AXIS

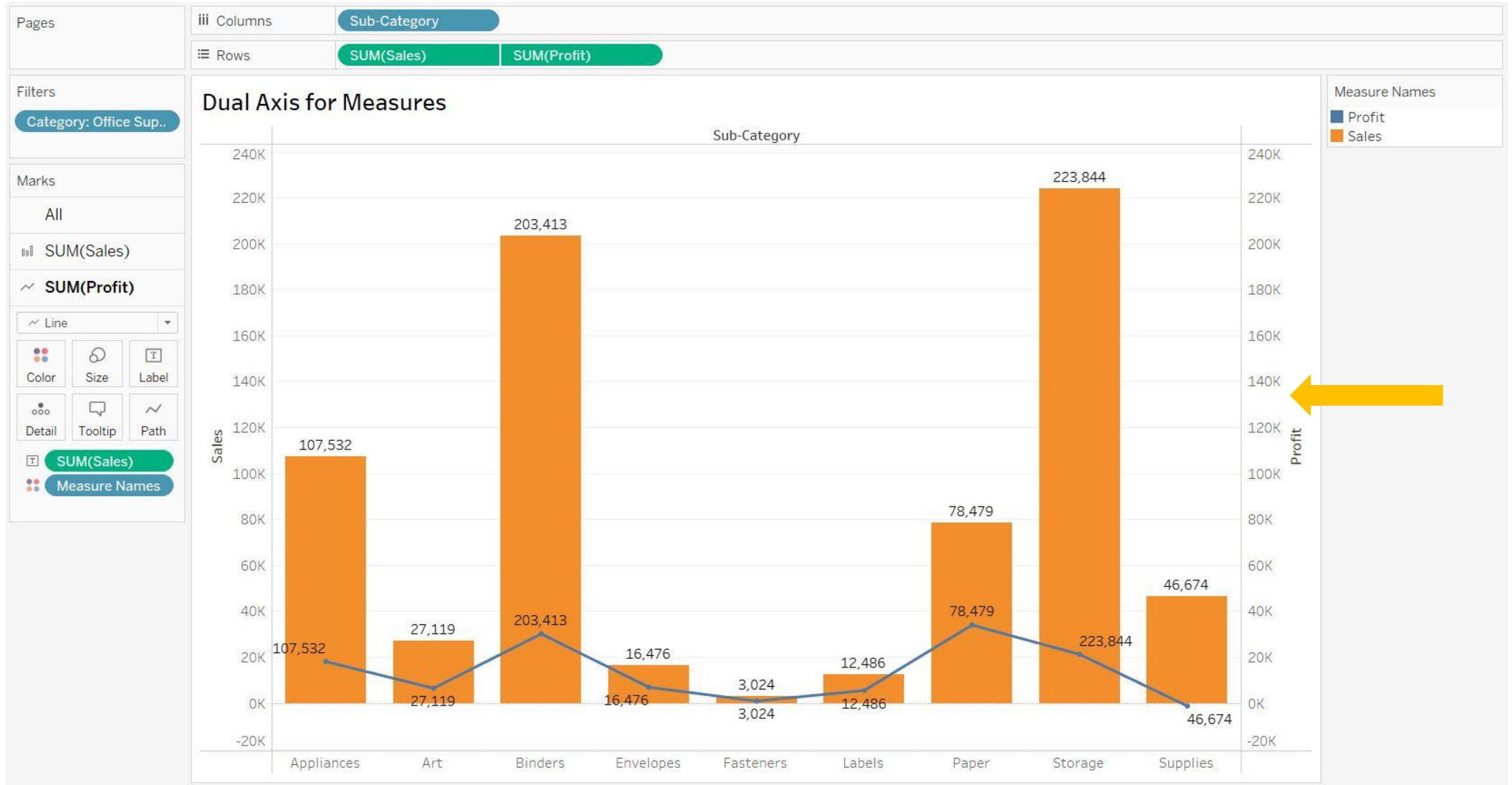**Step 5:** Similarly in the **Marks** card for **Profit** from the drop-down select **Line** Marks type

METHOD-III CREATING DUAL AXIS

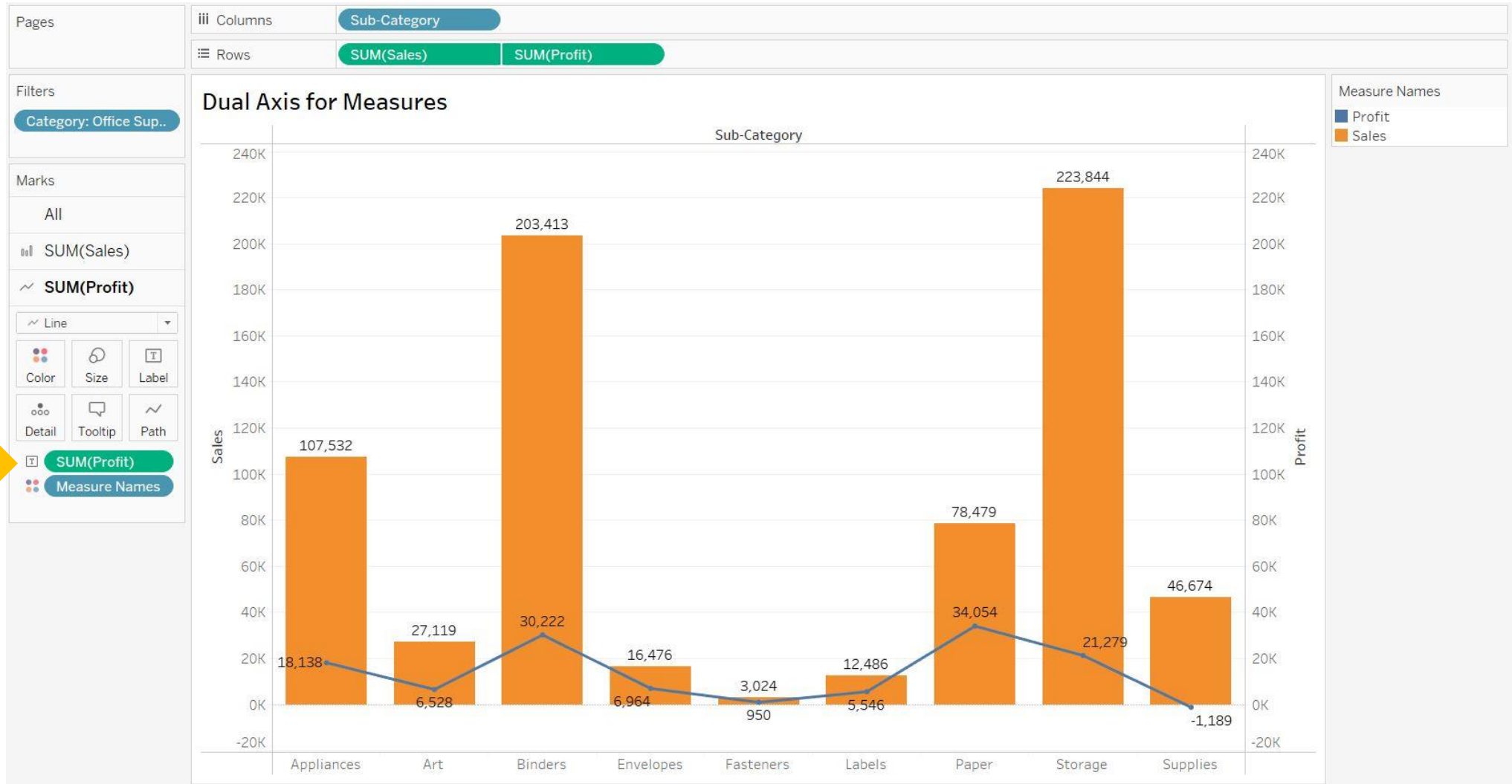**Step 6:** Right-click on **Profit** Axis, Select **Synchronize Axis**

METHOD-III CREATING DUAL AXIS

Step 7: Now we can see that both **Sales** and **Profit** have the same scale
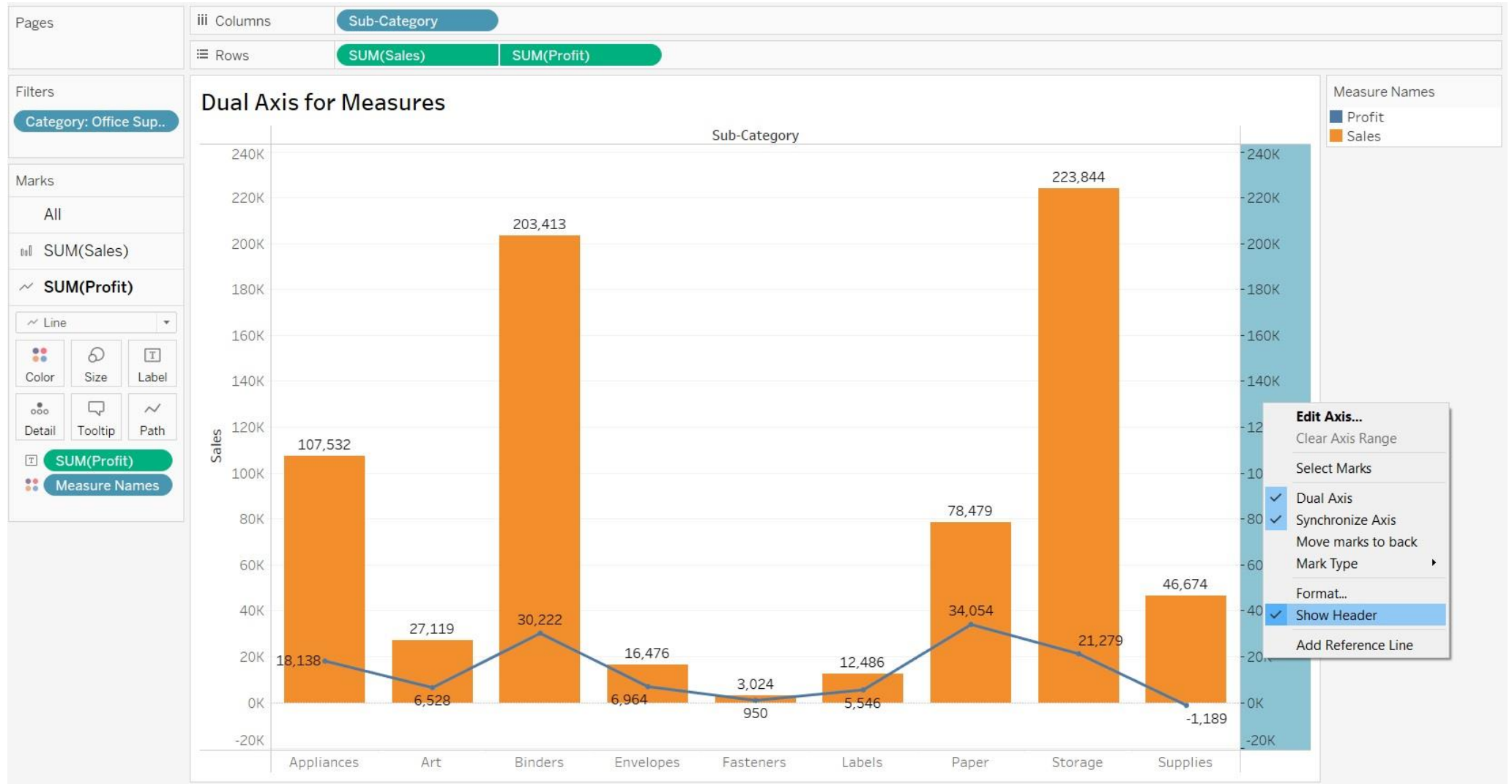
METHOD-III CREATING DUAL AXIS

Step 8: Drag and drop **Profit** to **Label** on **Marks** card of **Profit**
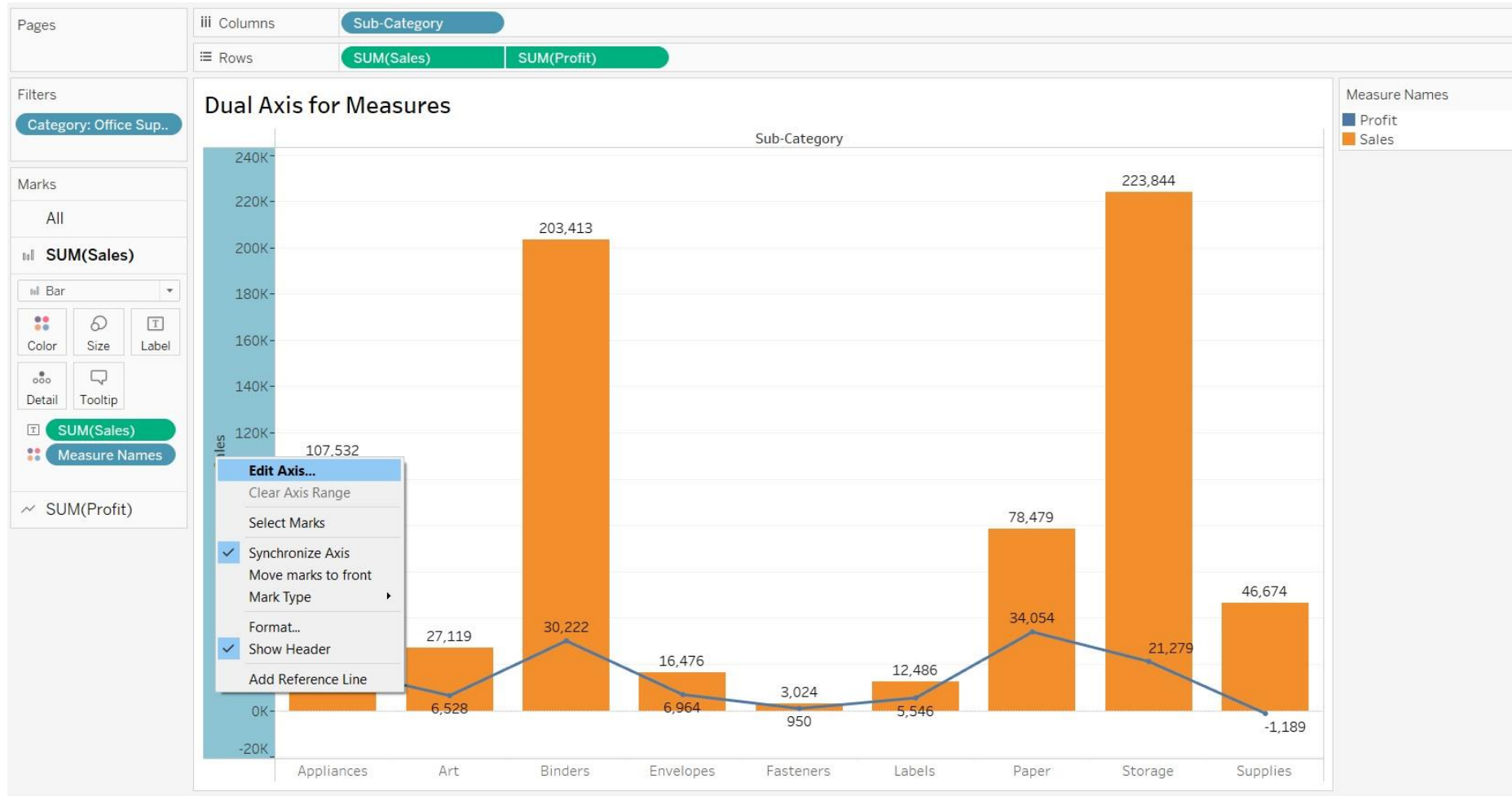
METHOD-III CREATING DUAL AXIS

Step 9: Right-click on **Profit** Axis, De-Select **Show Header**
Since both measures have same axis, it is sufficient to show only 1 axis

METHOD-III CREATING DUAL AXIS

Step 10: Right-click on **Sales** Axis, Select **Edit Axis**

METHOD-III CREATING DUAL AXIS

Step 11: In the **Edit Axis** dialog box change the **Title** to **Sales/Profit**

METHOD-III CREATING DUAL AXIS

Step 12: This is the final Dual Axis view