

MEASURE NAMES AND MEASURE VALUES ON COLOR IN THE MARKS CARD FOR A BLENDED AXIS VIEW

There are certain fields that are not present in the original data source but appear in the **Data** Pane.

Among these fields the 2 important ones are **Measure Names** and **Measure Values**.

Measure Names field contains only the names of all the measures in the data source, combined into a single field with discrete values. If we hover over **Measure Names** in **Data** pane, we get the tooltip as “A generated field containing the names of each measure. Use with Measure Values to blend measures”.

Measure Values field contains all the measures in the data source, combined into a single field with continuous values. If we hover over **Measure Values** in **Data** pane, we get the tooltip as “A generated field containing the values of each measure. Use with Measure Names to blend measures”.

MEASURE NAMES AND MEASURE VALUES ON COLOR IN THE MARKS CARD FOR A BLENDED AXIS VIEW

When we drop a **discrete** field on **Color** in the **Marks** card, Tableau displays a **categorical palette** and assigns a **color** to **each value** of the field.

Since **Measure Names** is a field with discrete values it will result in a **categorical color palette**

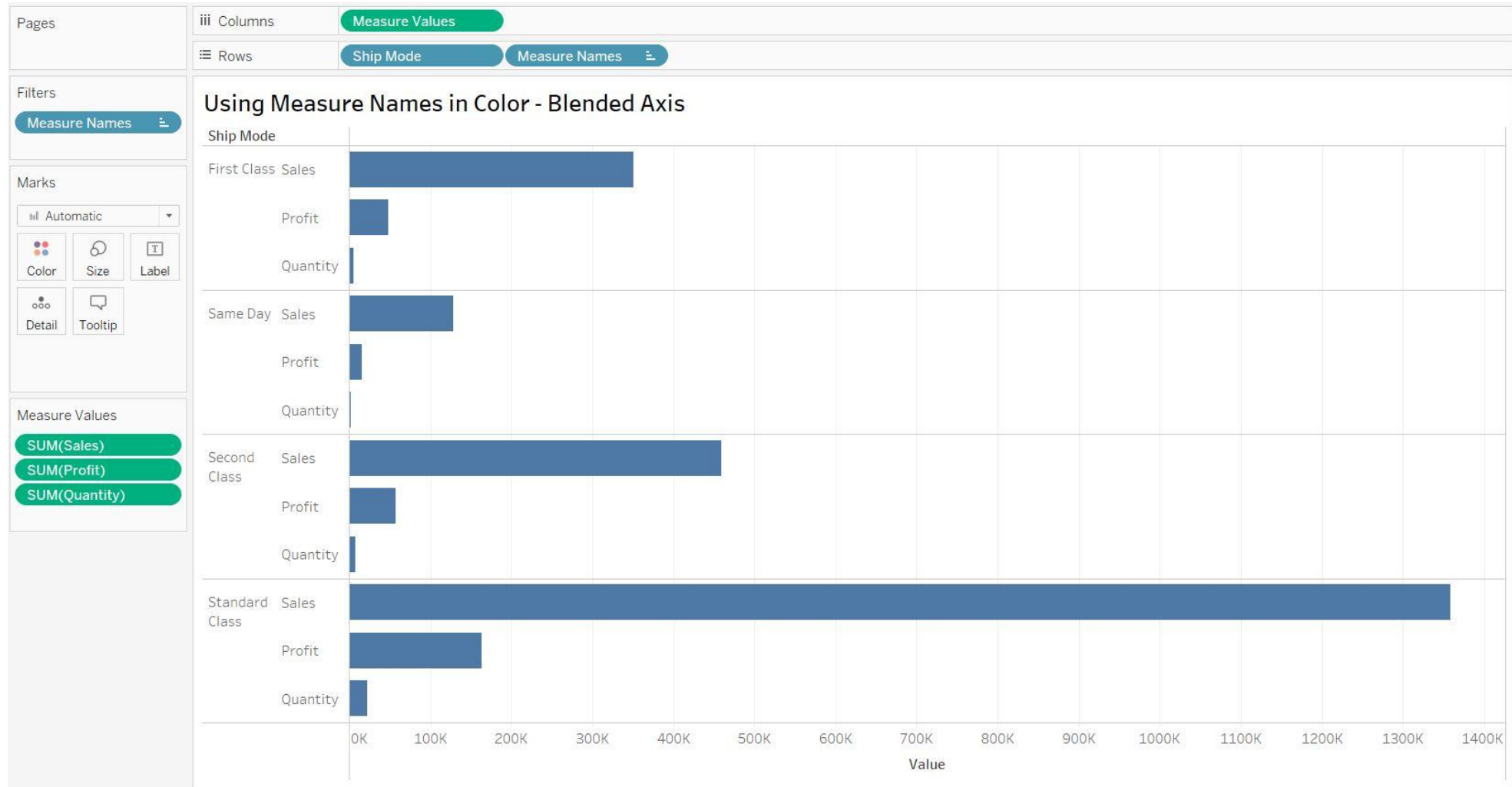
When we drop a **continuous** field on **Color**, Tableau displays a **quantitative palette** with a **continuous range of colors**.

Since **Measure Values** is a field with continuous values it will result in a **quantitative color palette**

When using **Measure Values** on **Color** in case we need to assign a separate color palette for each measure we can make use of the **Use Separate Legends** option

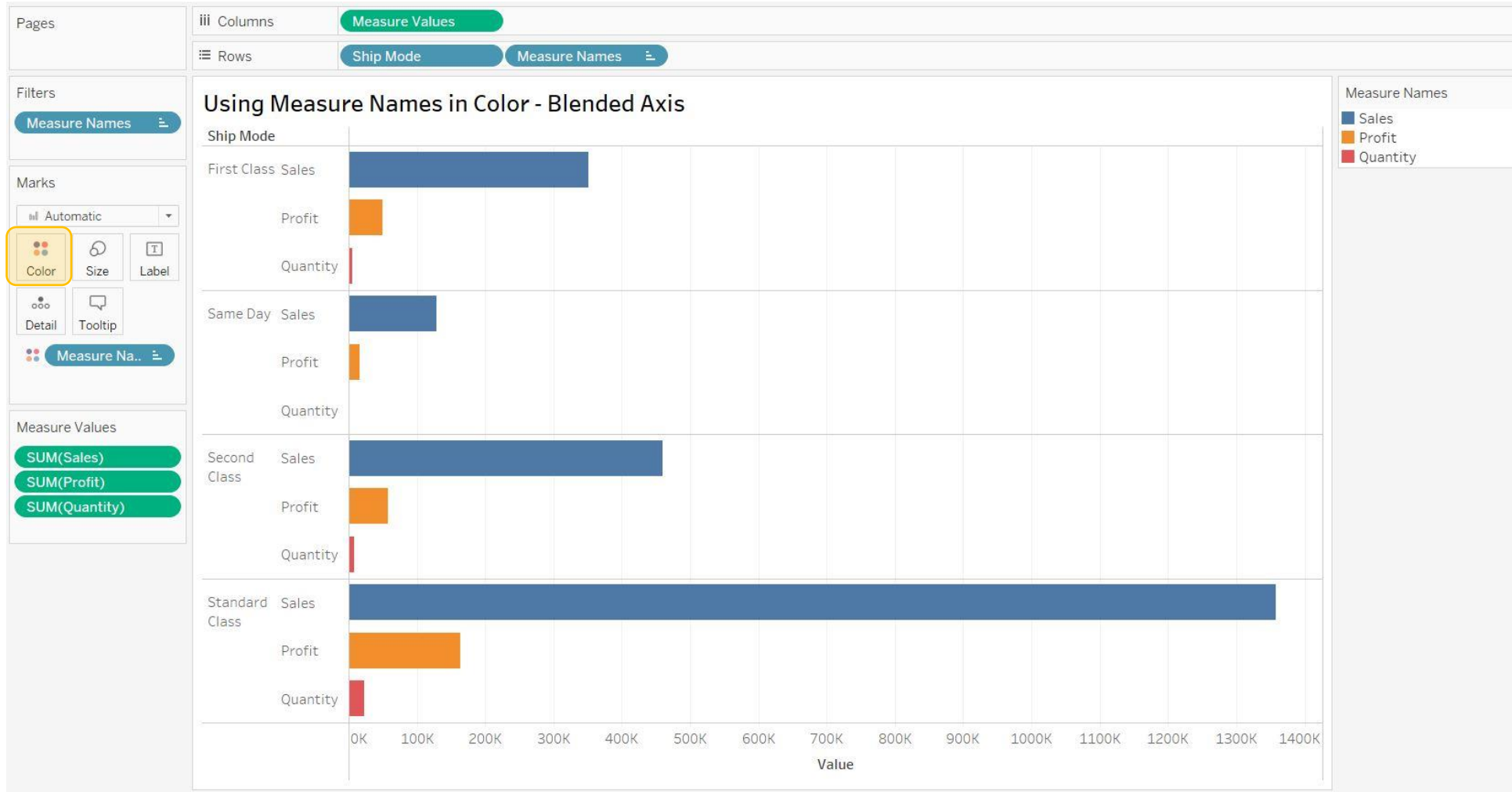
MEASURE NAMES ON COLOR IN THE MARKS CARD

Step 1: Let us start with the below mentioned Blended Axis view



MEASURE NAMES ON COLOR IN THE MARKS CARD

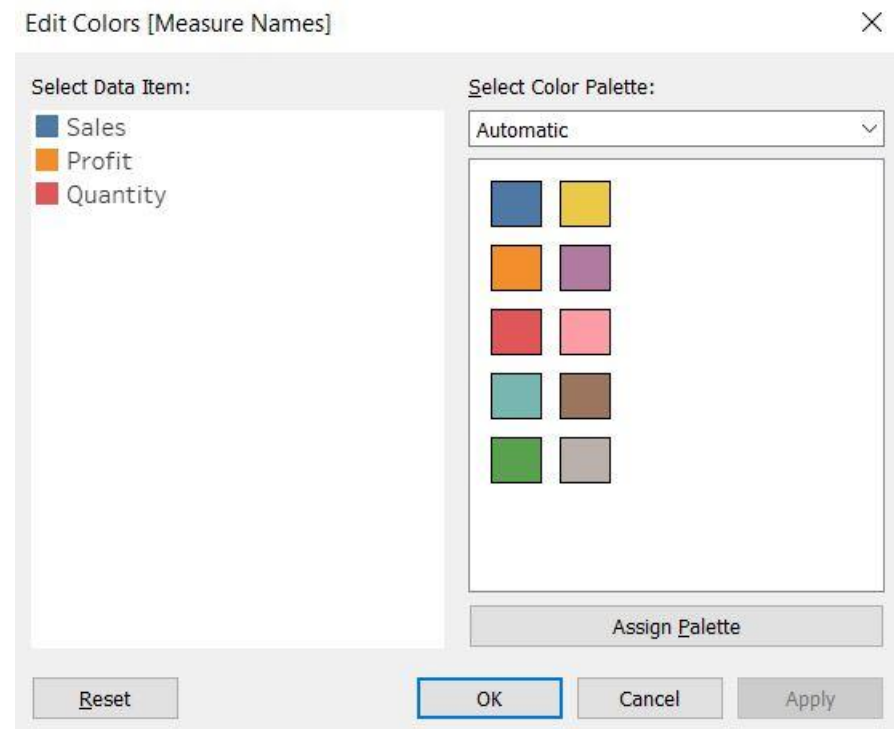
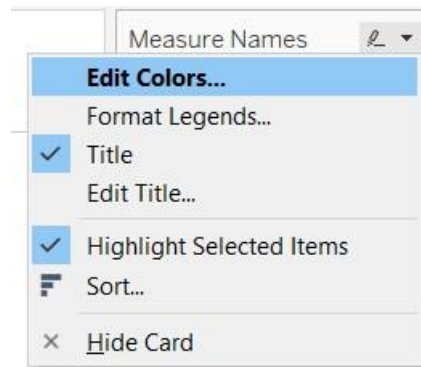
Step 2: Drag and drop **Measure Names** from **Data** pane to **Color** on **Marks** card



MEASURE NAMES ON COLOR IN THE MARKS CARD

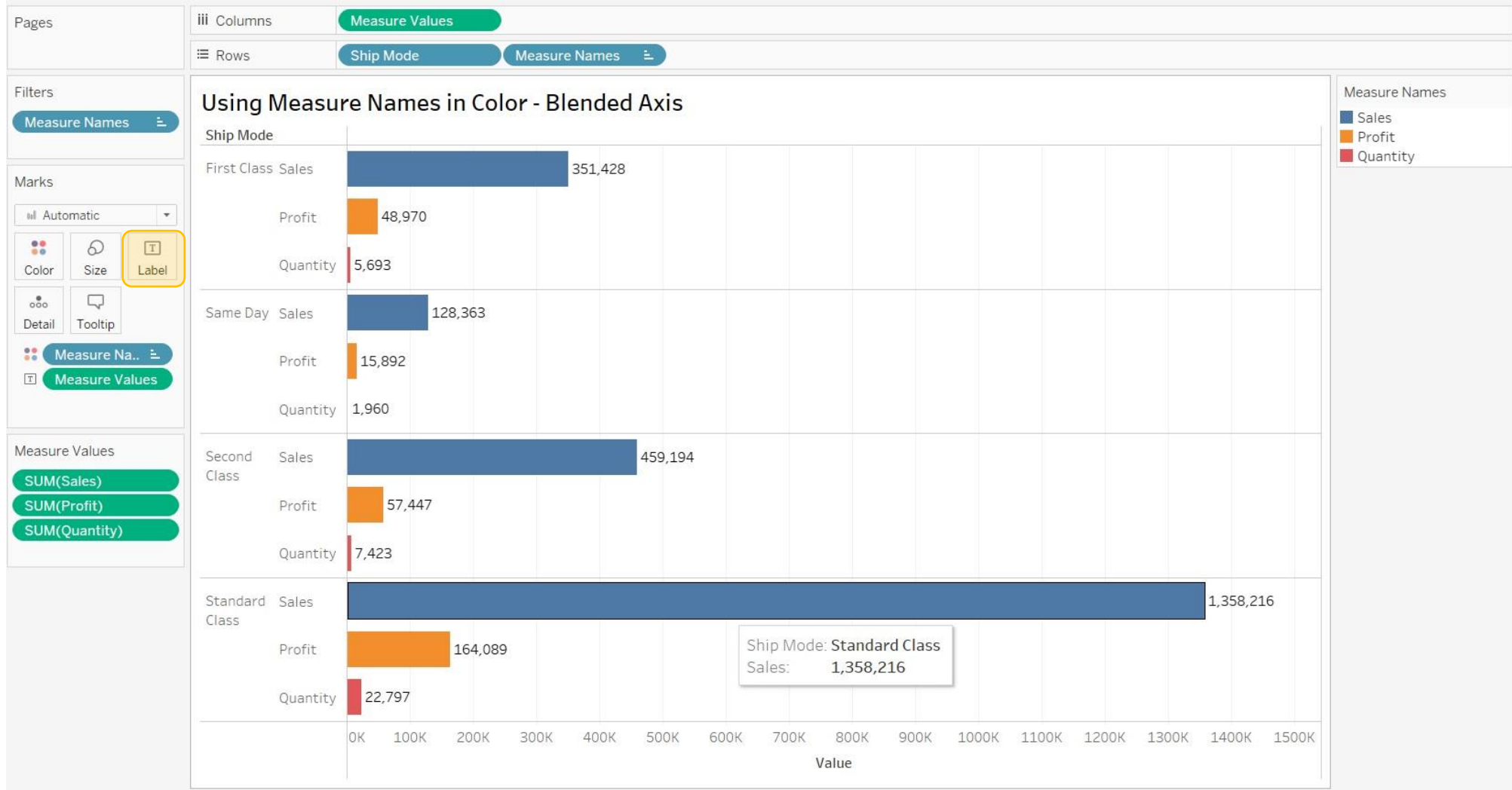
Step 3: We can confirm the color palette by clicking on the down arrow next to **Measure Names** color marks card, Select **Edit Colors**

It is observed that each **measure** is assigned a **separate color** since it is a **Categorical palette**



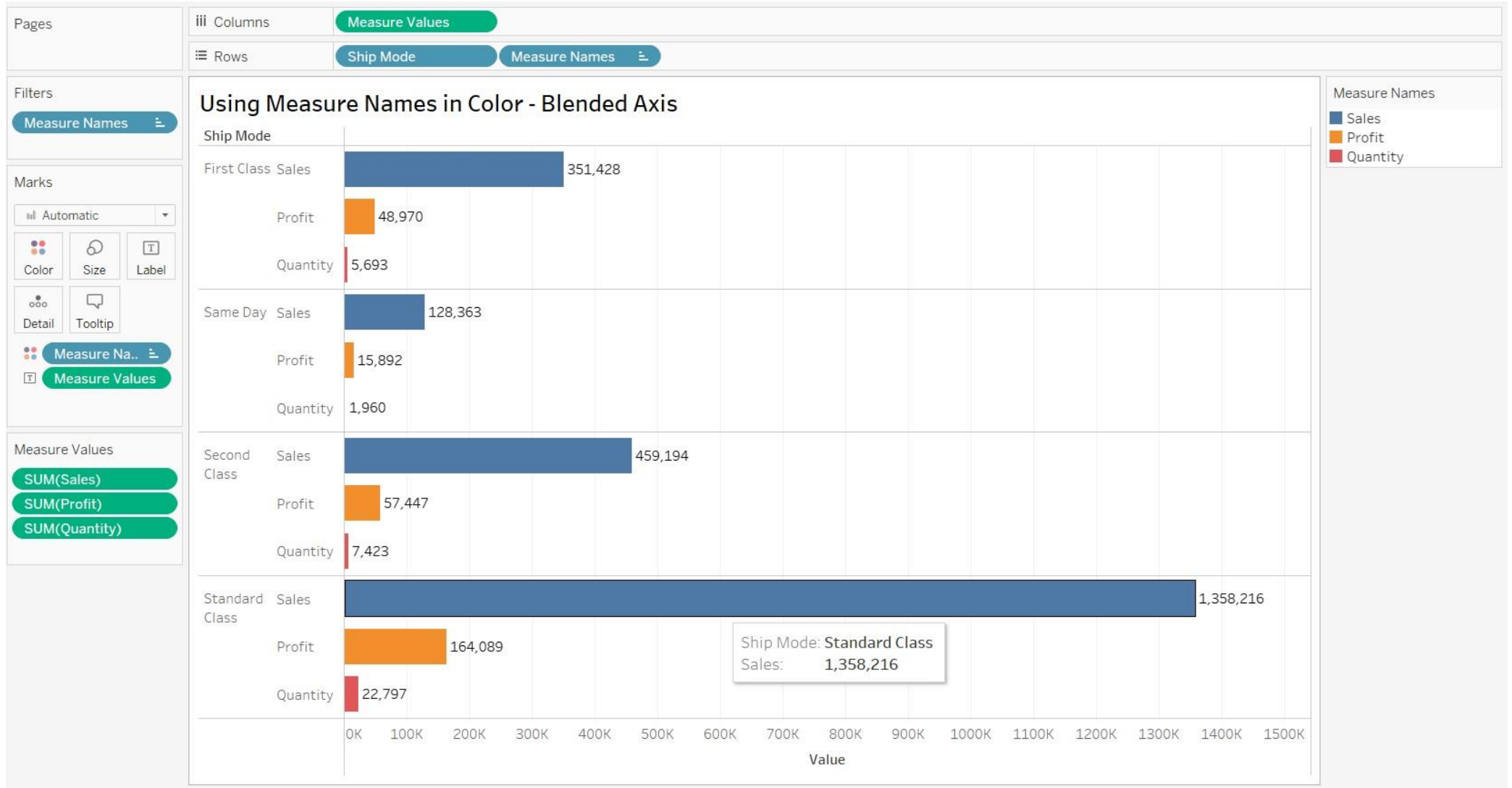
MEASURE NAMES ON COLOR IN THE MARKS CARD

Step 4: Drag and drop **Measure Values** from **Data** pane to **Label** on **Marks** card



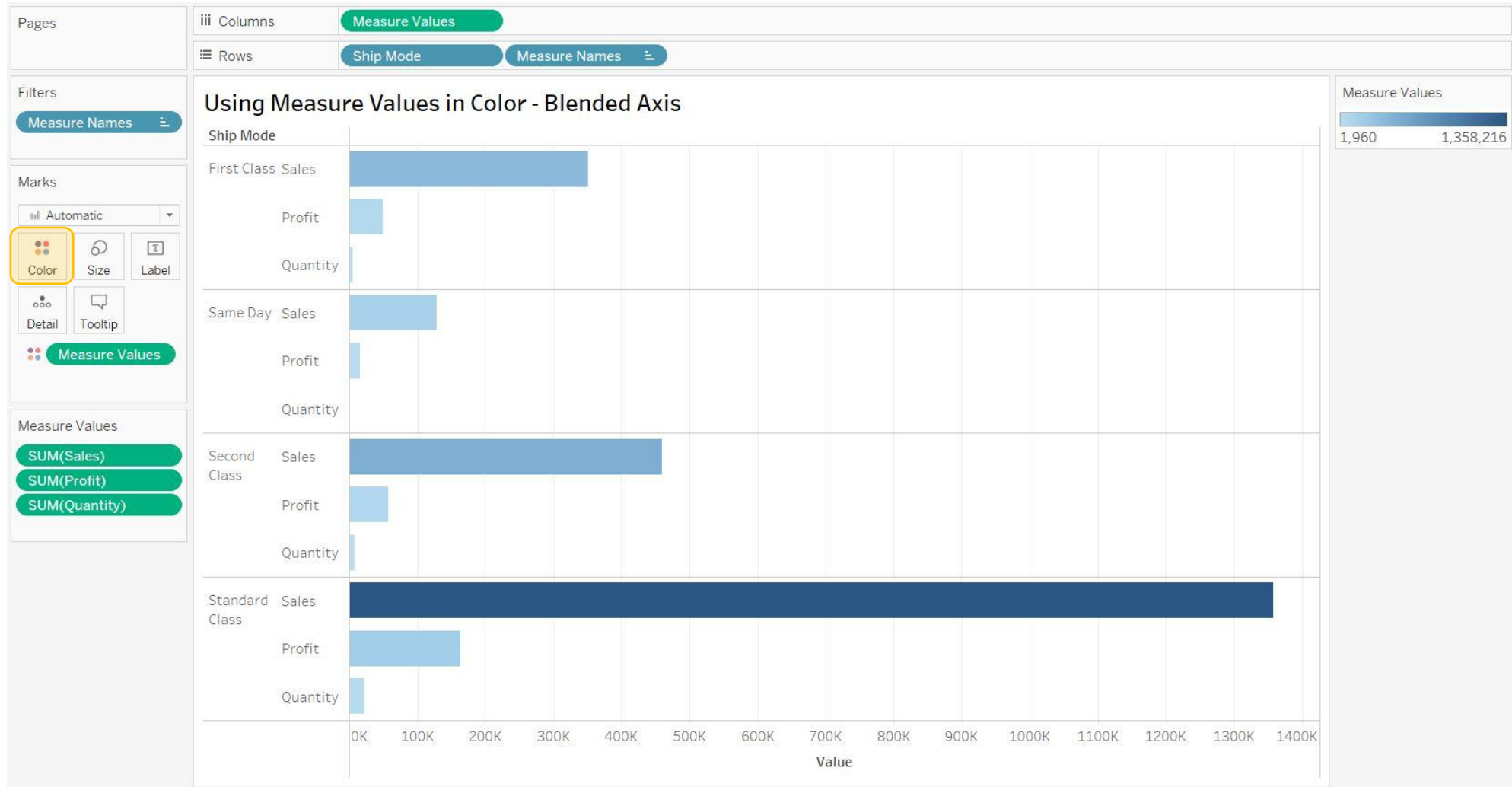
MEASURE NAMES ON COLOR IN THE MARKS CARD

Step 5: We can confirm if the label is showing the correct value by checking the **Tooltip** for any mark in the view



MEASURE VALUES ON COLOR IN THE MARKS CARD

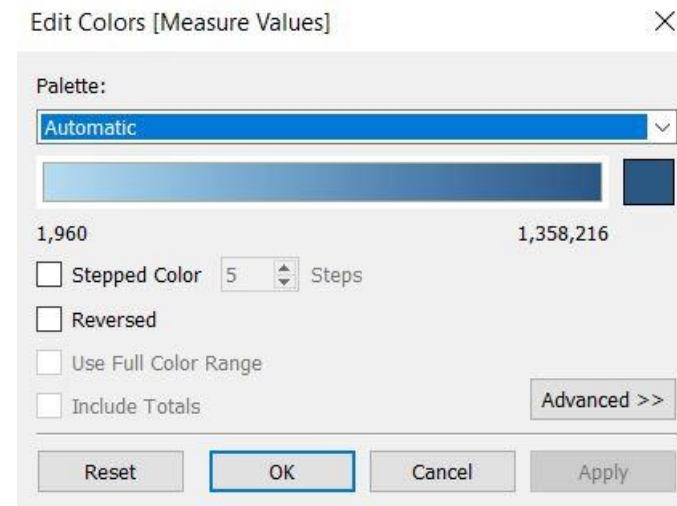
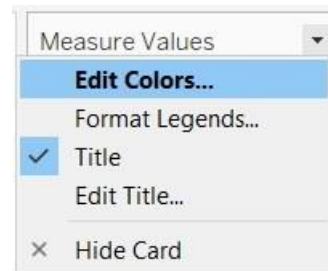
Step 1: Drag and drop **Measure Values** from **Data** pane to **Color** on **Marks** card



MEASURE VALUES ON COLOR IN THE MARKS CARD

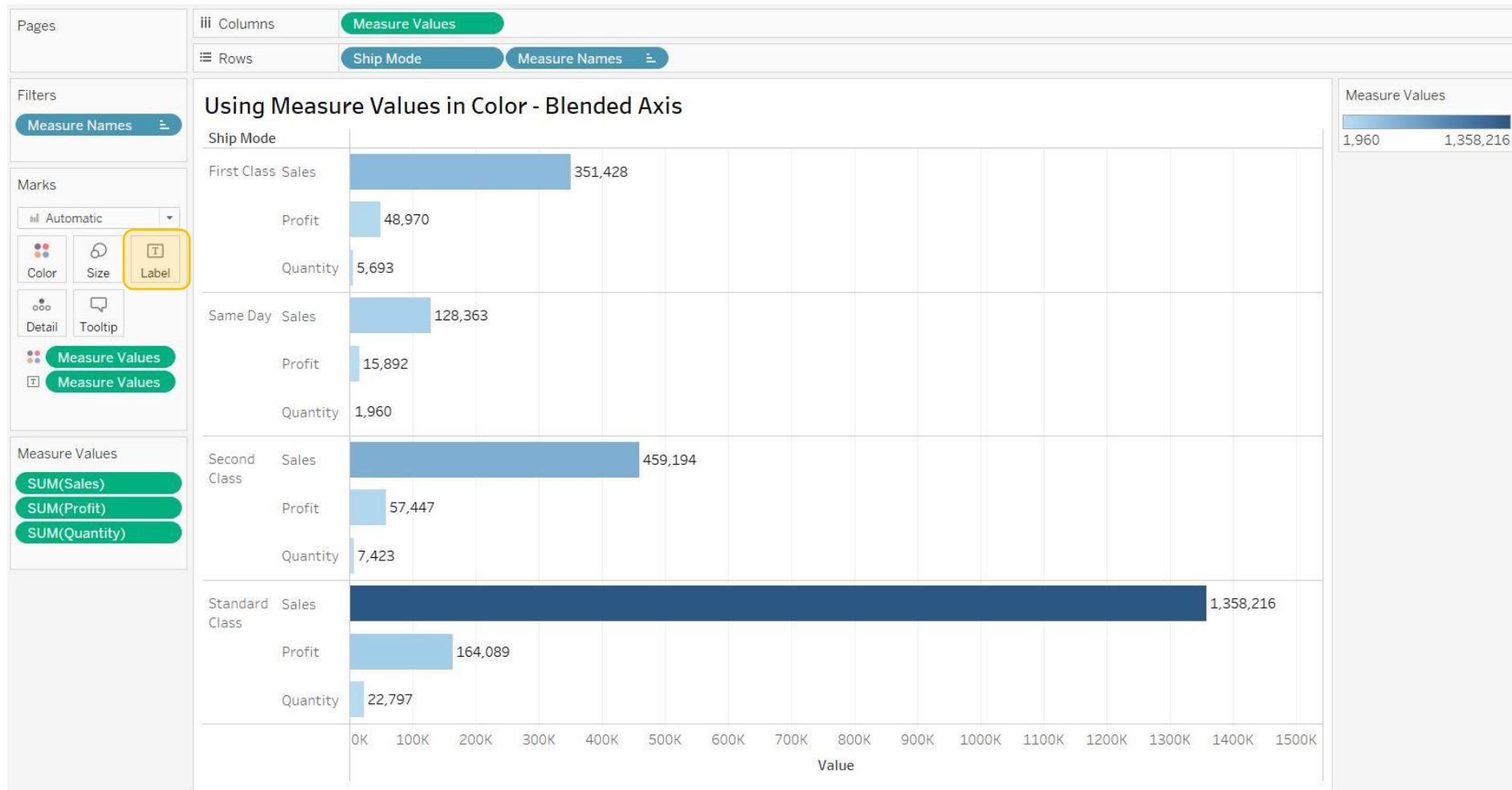
Step 2: We can confirm the color palette by clicking on the down arrow next to **Measure Values** color marks card, Select **Edit Colors**

It is observed that a **continuous range of colors** is assigned to the Measures since it is a **Quantitative palette**



MEASURE VALUES ON COLOR IN THE MARKS CARD

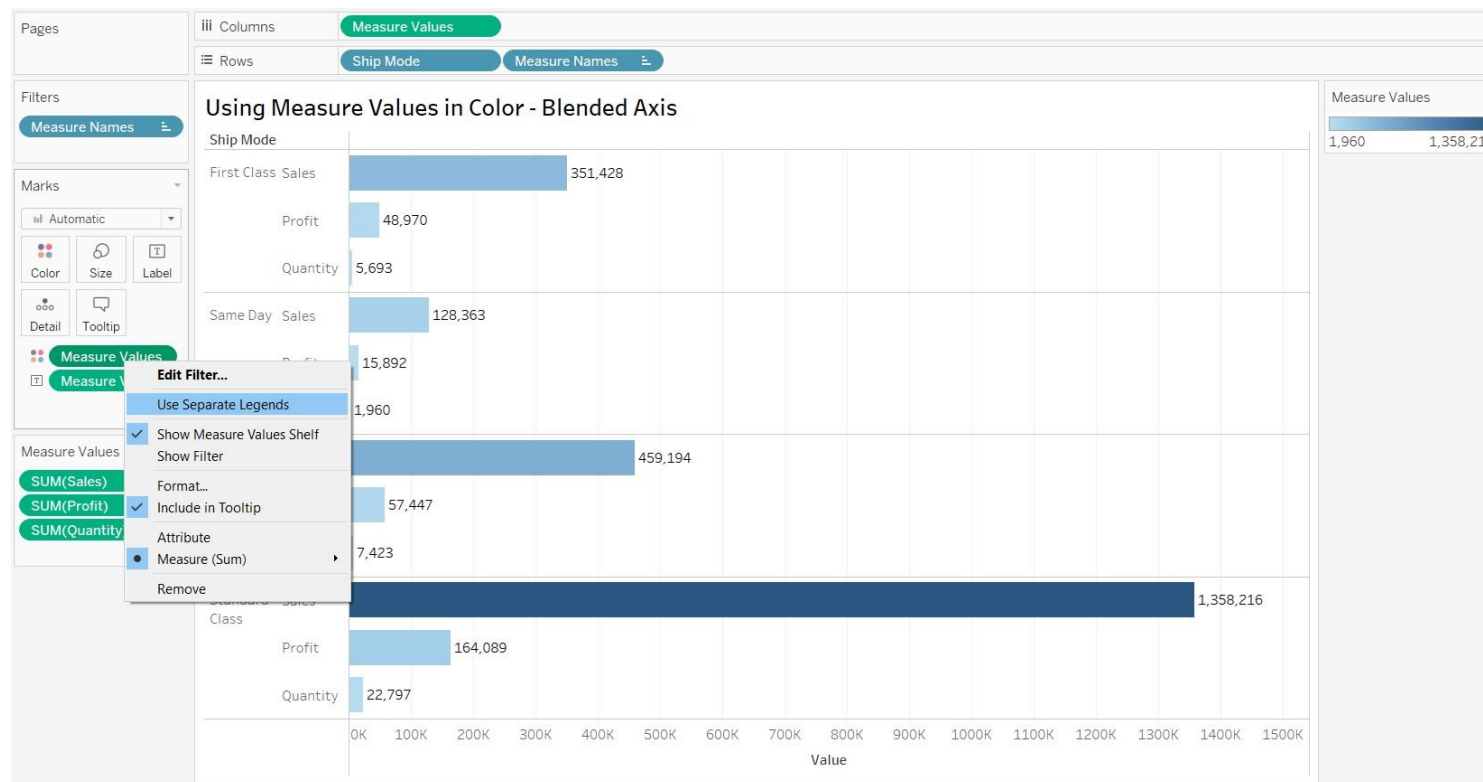
Step 3: Drag and drop **Measure Values** from **Data** pane to **Label** on **Marks** card



MEASURE VALUES ON COLOR IN THE MARKS CARD

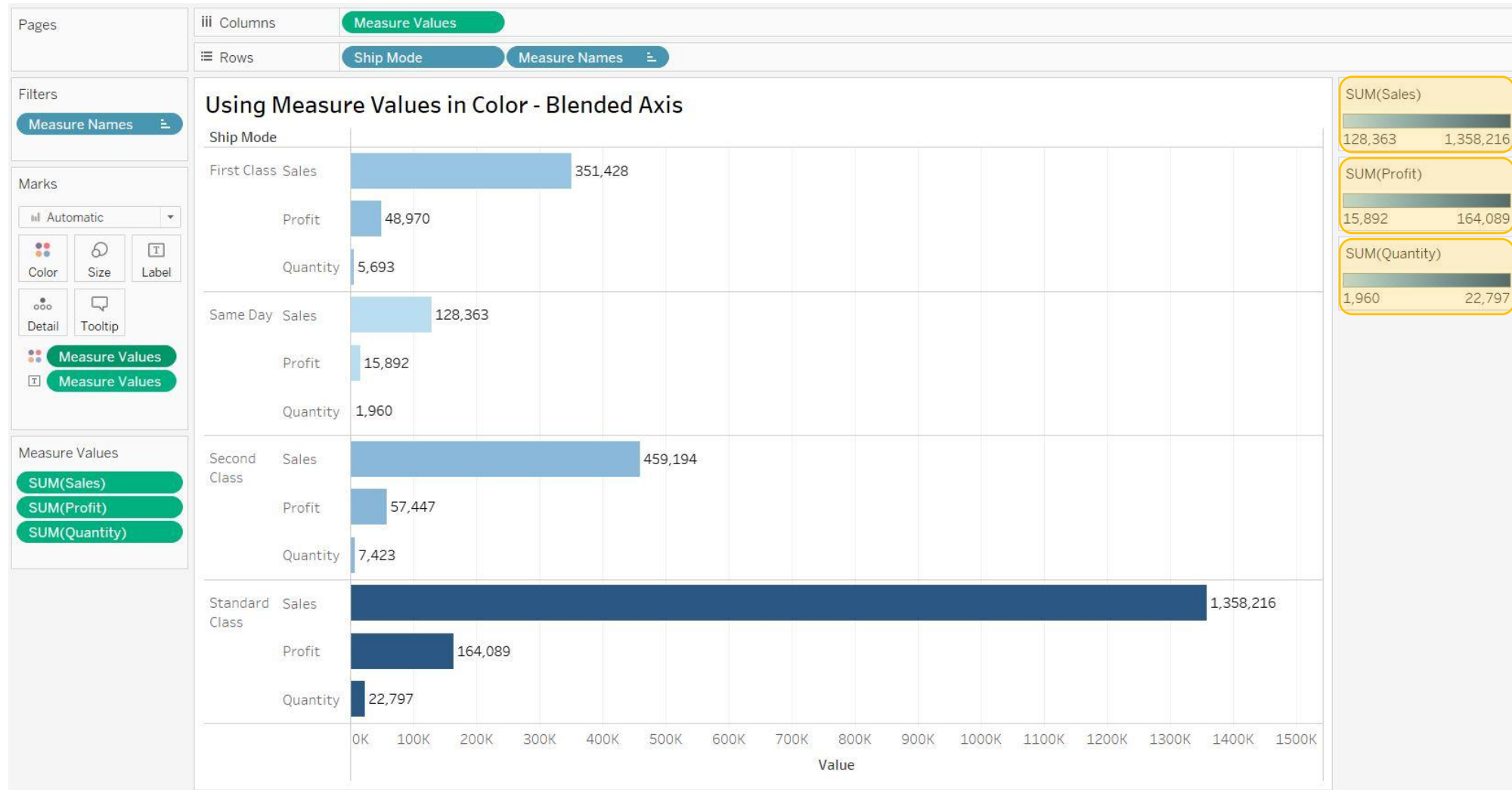
Step 4: The issue with a common quantitative color palette on **Measure Values** is that we cannot determine the ranges for each measure separately

For assigning a separate color palette for each measure we can right-click the **Measure Values**, Select **Use Separate Legends**



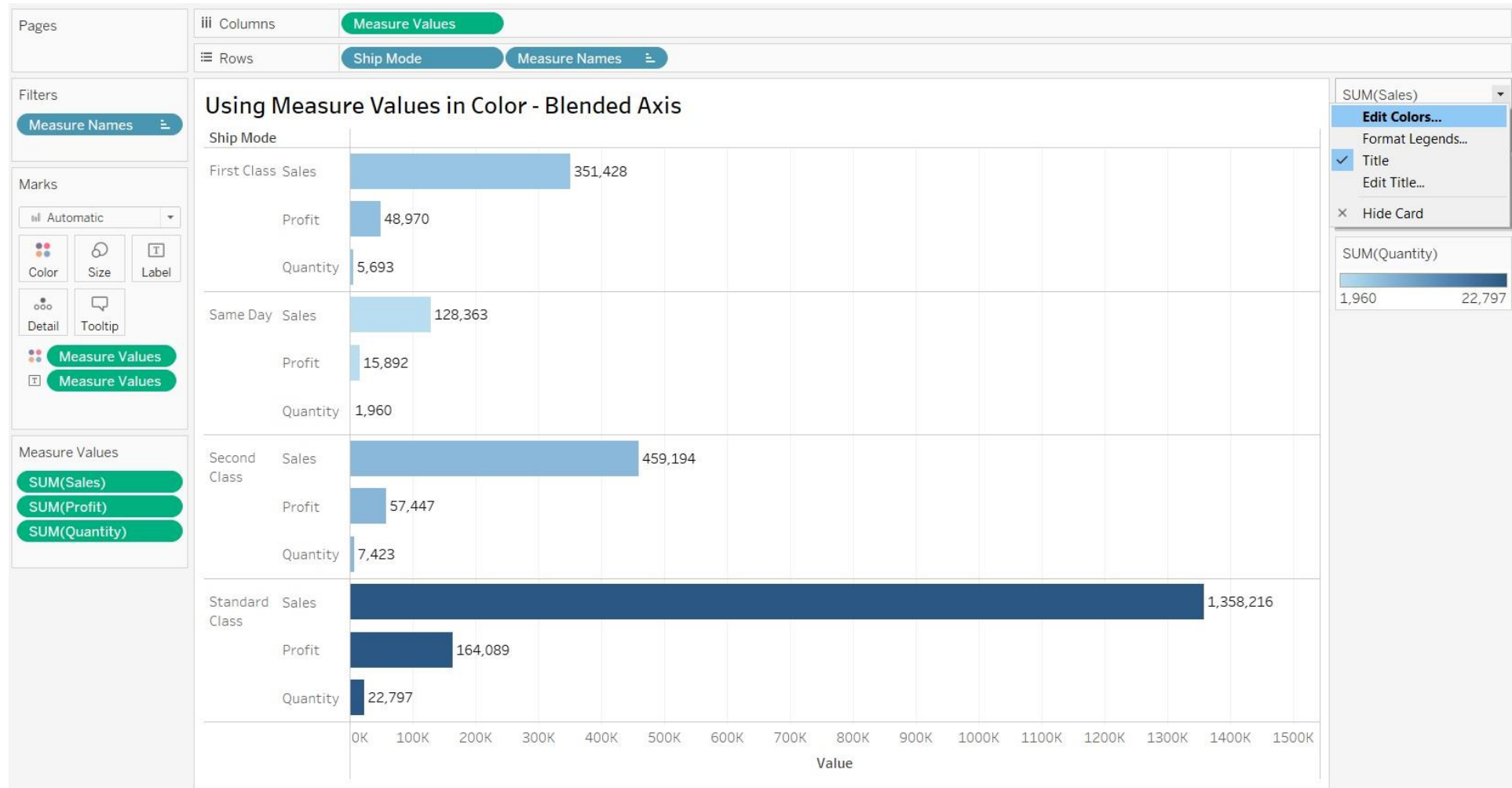
MEASURE VALUES ON COLOR IN THE MARKS CARD

Step 5: Now we see separate Color Cards for each Measure



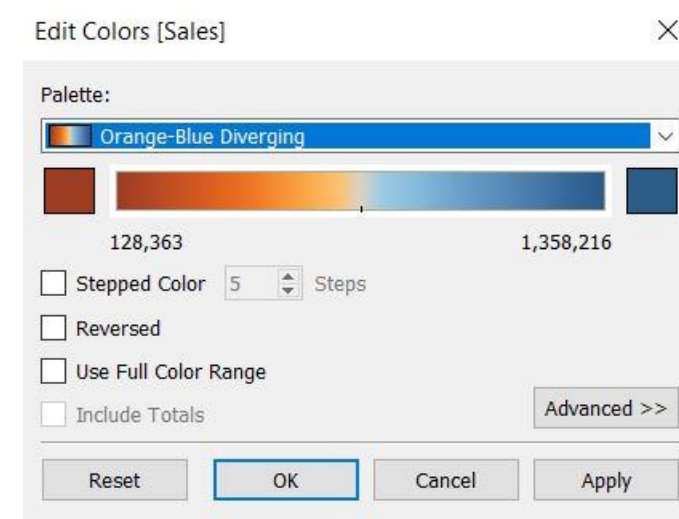
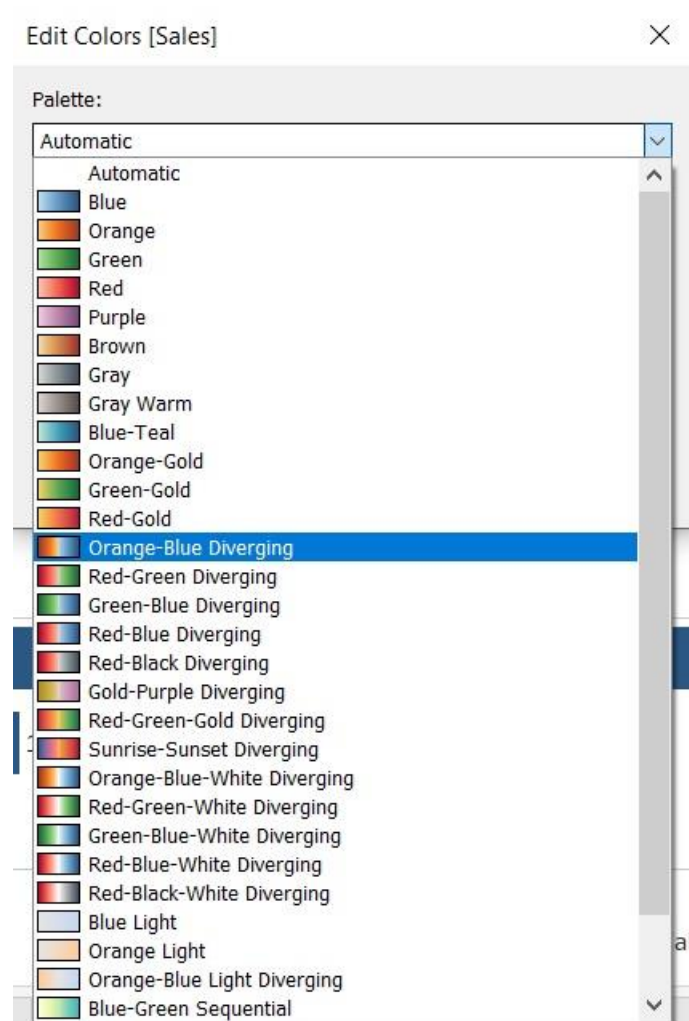
MEASURE VALUES ON COLOR IN THE MARKS CARD

Step 6: We can change the color palette by clicking on the down arrow next to **Measure** color marks card e.g: **SUM(Sales)**, Select **Edit Colors**



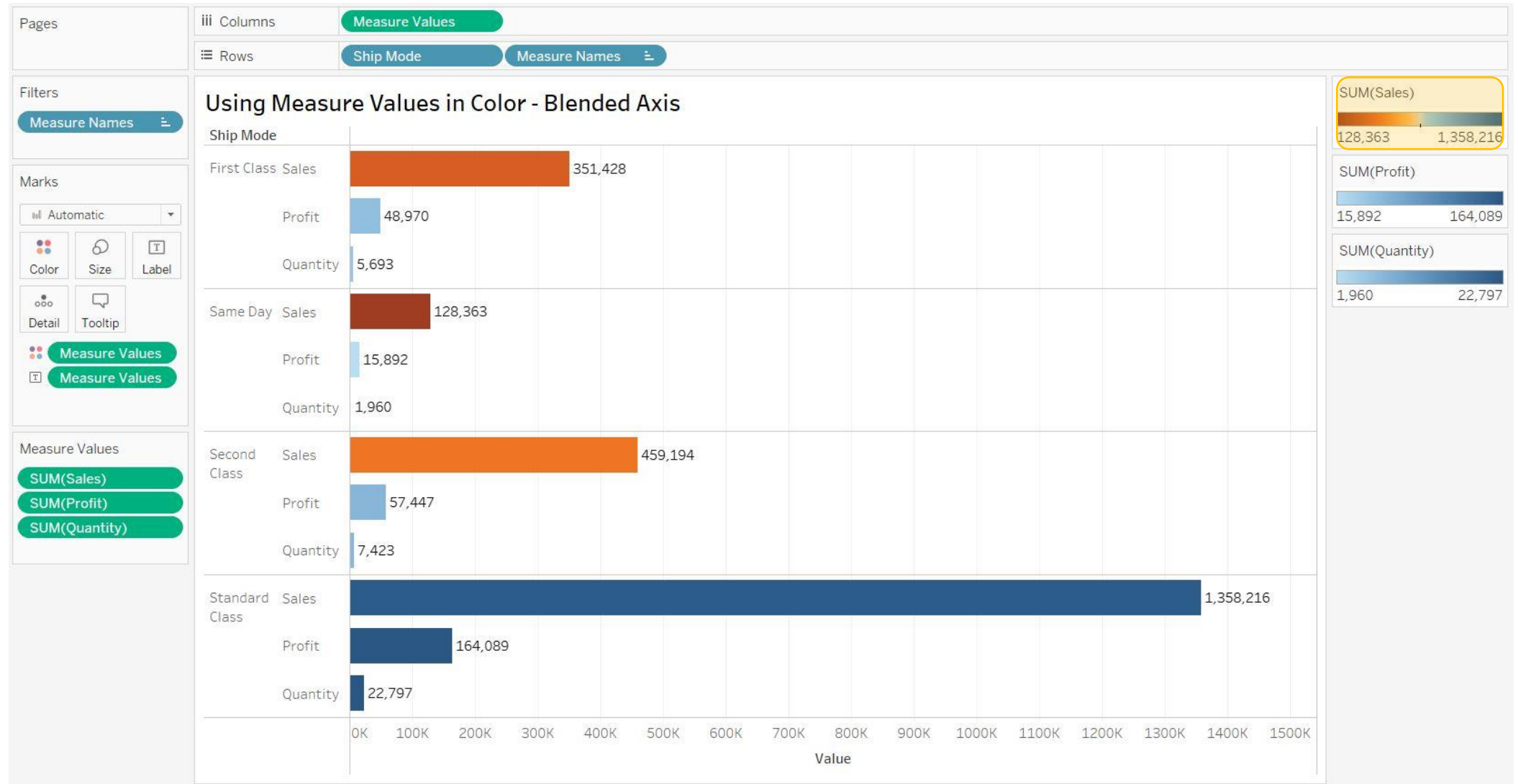
MEASURE VALUES ON COLOR IN THE MARKS CARD

Step 7: In **Edit Colors [Sales]** dialog box select the desired color palette



MEASURE VALUES ON COLOR IN THE MARKS CARD

Step 8: The color palette is updated for SUM(Sales)



MEASURE VALUES ON COLOR IN THE MARKS CARD

Step 9: Similarly, we can change the color palette for the other measures **SUM(Profit)** and **SUM(Quantity)**

