

METHODS TO APPLY SEPARATE COLORS FOR MEASURES IN A TEXT TABLE

Method I: Dragging & dropping the **Measure Names** to **Color** of **Marks** card.
Each measure is just given a separate color (no trend is shown)

Method II: Dragging & dropping the **Measure Values** to **Color** of **Marks** card.
We get a color scheme like a Heat Map with high and low values shown by dark and light regions respectively

METHOD I – USING MEASURE NAMES

STEP 1: Consider that we have a view with multiple measures

The screenshot shows a Tableau interface with a table view. The sidebar on the left contains the following sections:

- Pages:** Empty.
- Columns:** Measure Names
- Rows:** Sub-Class
- Filters:** Measure Names
- Marks:** Automatic (dropdown), Color, Size, Text, Detail, Tooltip, and Measure Values (SUM(Profit), SUM(Quantity), SUM(Sales)).
- Measure Values:** SUM(Profit), SUM(Quantity), SUM(Sales)

The main view displays a table titled "Separate Color Legend for each Measure". The table has four columns: Sub-Class, Profit, Quantity, and Sales. The data is as follows:

Sub-Class	Profit	Quantity	Sales
Accessories	108,040	8,977	633,420
Appliances	122,728	5,004	875,569
Art	50,191	11,958	299,064
Binders	55,577	13,893	331,814
Bookcases	148,230	7,524	1,311,152
Chairs	127,503	10,740	1,315,108
Copiers	225,440	6,903	1,364,915
Envelopes	23,395	5,574	126,281
Fasteners	9,371	5,304	54,273
Furnishings	40,828	8,577	322,337
Labels	8,761	5,080	40,912
Machines	52,276	4,451	688,464
Paper	44,742	9,054	184,383
Phones	187,629	10,134	1,455,967
Storage	100,136	13,406	983,985
Supplies	21,374	6,397	199,186
Tables	-64,162	2,504	622,020

METHOD I – USING MEASURE NAMES

STEP 2: Pressing Ctrl or Cmd key and dragging & dropping the **Measure Names** to **Color** of **Marks** card from the **Columns** shelf. (Or drag and drop another instance of **Measure Names** to **Color** of **Marks** card)

The screenshot shows the Tableau interface with the following configuration:

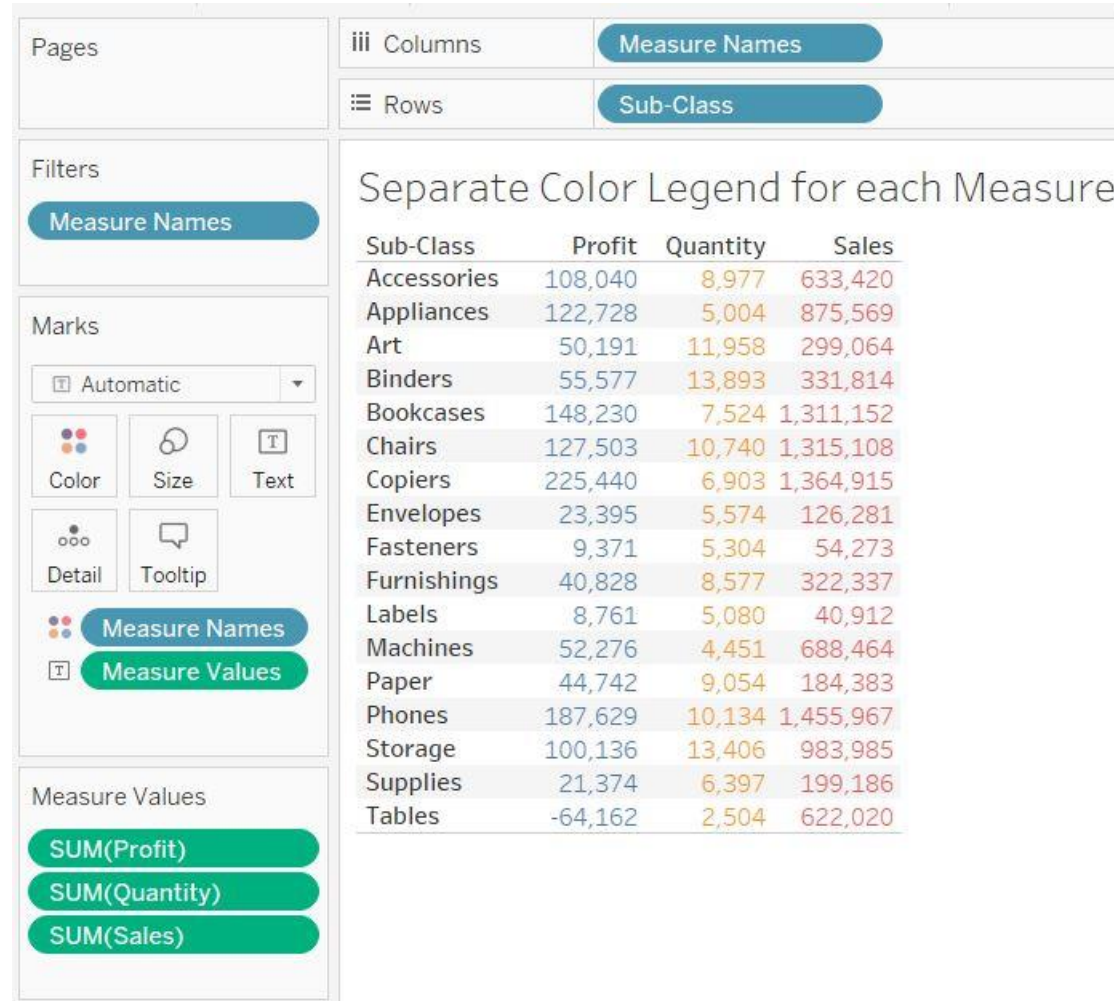
- Columns shelf:** Measure Names
- Rows shelf:** Sub-Class
- Filters shelf:** Measure Names
- Marks card:** Set to 'Automatic'. The 'Color' property is highlighted with a blue callout box labeled 'Measure Names'.
- Measure Values shelf:** SUM(Profit), SUM(Quantity), and SUM(Sales)

The resulting view is a table titled 'Separate Color Legend for each Measure' with the following data:

Sub-Class	Profit	Quantity	Sales
Accessories	108,040	8,977	633,420
Appliances	122,728	5,004	875,569
Art	50,191	11,958	299,064
Binders	55,577	13,893	331,814
Bookcases	148,230	7,524	1,311,152
Chairs	127,503	10,740	1,315,108
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Supplies	21,374	6,397	199,186
Tables	-64,162	2,504	622,020

METHOD I – USING MEASURE NAMES

STEP 3: Each measure is just given a separate color (no trend is shown)



NOTE: The **Measure Names** is assigned a **Categorical Palette** as each measure is assigned a **separate Color**

METHOD II – USING MEASURE VALUES

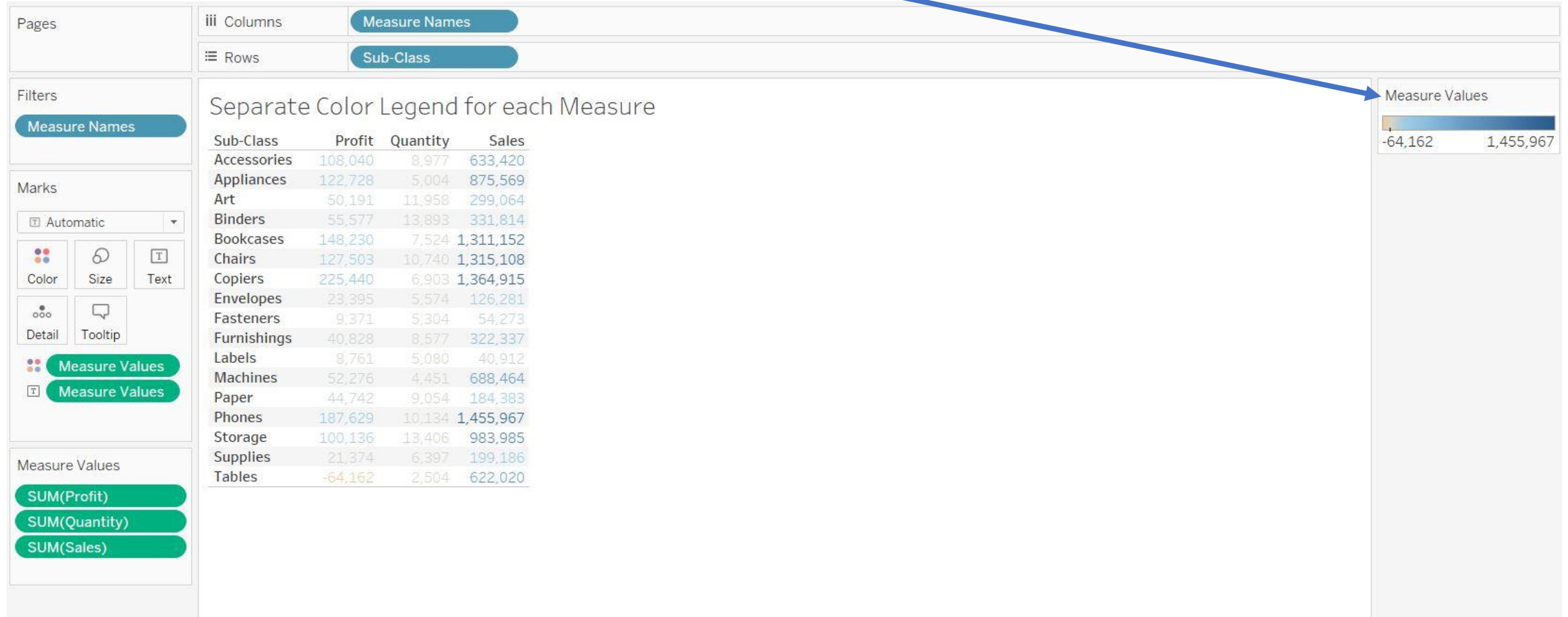
STEP 1: Pressing Ctrl or Cmd key and dragging & dropping the **Measure Values** to **Color** of **Marks** card from the **Columns** shelf. (Or drag and drop another instance of **Measure Values** to **Color** of **Marks** card)

The screenshot shows the Tableau interface. On the left, the 'Columns' shelf contains 'Measure Names' and 'Sub-Class'. The 'Rows' shelf is empty. The 'Marks' card is set to 'Automatic'. A green callout box highlights the 'Measure Values' button in the Marks card, with a green arrow pointing to the 'Color' property. Below the Marks card, the 'Measure Values' shelf contains three green buttons: 'SUM(Profit)', 'SUM(Quantity)', and 'SUM(Sales)'. The main view displays a table titled 'Separate Color Legend for each Measure' with columns for 'Sub-Class', 'Profit', 'Quantity', and 'Sales'. The table lists various product categories and their corresponding values.

Sub-Class	Profit	Quantity	Sales
Accessories	108,040	8,977	633,420
Appliances	122,728	5,004	875,569
Art	50,191	11,958	299,064
Binders	55,577	13,893	331,814
Bookcases	148,230	7,524	1,311,152
Chairs	127,503	10,740	1,315,108
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METHOD II – USING MEASURE VALUES

STEP 2: Ensure that Measure Values Color Legend is observed



METHOD II – USING MEASURE VALUES

STEP 3: To have separate legends right-click **Measure Values** and select **Use Separate Legends**

The screenshot shows the Tableau interface with the following components:

- Columns Shelf:** Measure Names
- Rows Shelf:** Sub-Class
- Filters Shelf:** Measure Names
- Marks Shelf:** Automatic (Color, Size, Text, Detail, Tooltip)
- Measure Values Shelf:** SUM(Profit), SUM(Quantity), SUM(Sales)

A context menu is open over the Measure Values shelf, showing the following options:

- Edit Filter...
- Use Separate Legends
- ✓ Show Measure Values Shelf
- Show Filter
- Format...
- ✓ Include in Tooltip
- Attribute
- Measure (Sum) ▶
- Remove

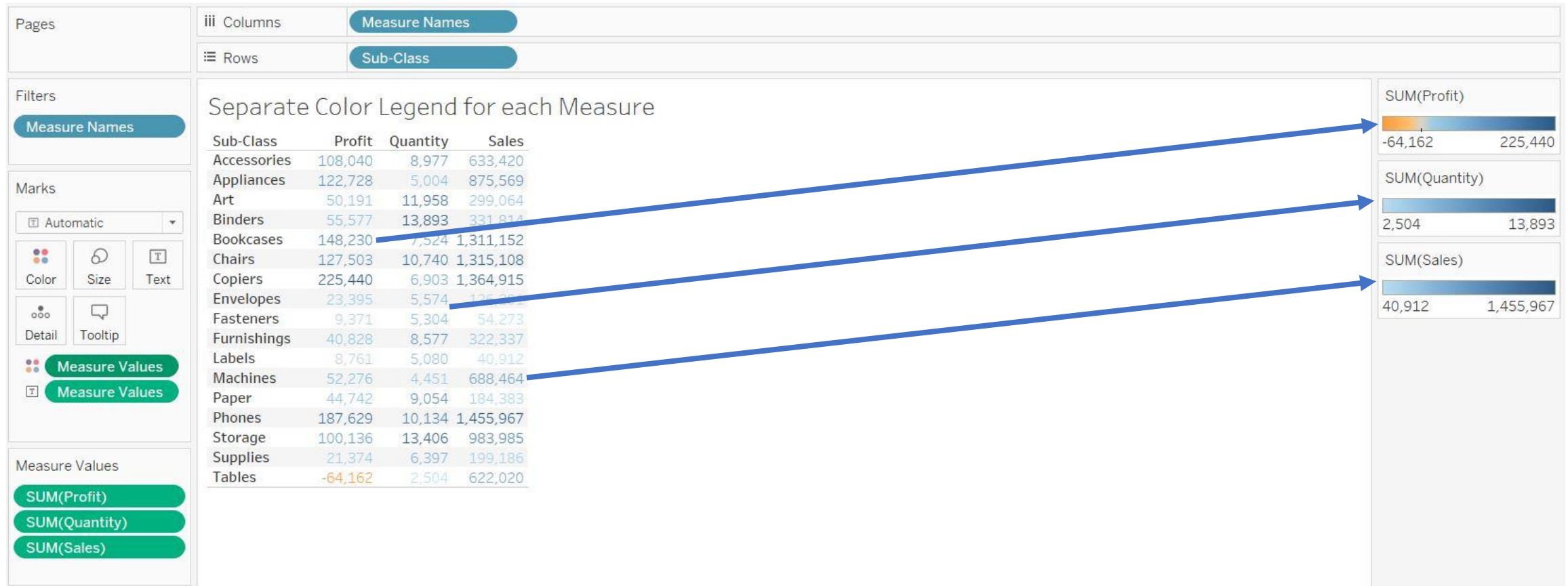
The main view displays a table titled "Separate Color Legend for each Measure" with the following data:

Sub-Class	Profit	Quantity	Sales
Accessories	108,040	8,977	633,420
Appliances	122,728	5,004	875,569
Art	50,191	11,958	299,064
Binders	55,577	13,893	331,814
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Labels	8,136	13,406	983,985
Labels	1,374	6,397	199,186
Labels	4,162	2,504	622,020

On the right side, there is a "Measure Values" legend showing a color gradient from -64,162 to 1,455,967.

METHOD II – USING MEASURE VALUES

STEP 4: Ensure that a separate Color Legend is present for each Measure



METHOD II – USING MEASURE VALUES

STEP 5: Click on the drop-down arrow of color legend and select **Edit Colors**

The screenshot shows a Tableau interface with a table of data and a color legend for the SUM(Profit) measure.

Columns: Measure Names
Rows: Sub-Class

Filters: Measure Names

Marks: Automatic

Measure Values: SUM(Profit), SUM(Quantity), SUM(Sales)

Table Data:

Sub-Class	Profit	Quantity	Sales
Accessories	108,040	8,977	633,420
Appliances	122,728	5,004	875,569
Art	50,191	11,958	299,064
Binders	55,577	13,893	331,814
Bookcases	148,230	7,524	1,311,152
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Supplies	21,374	6,397	199,186
Tables	-64,162	2,504	622,020

Color Legend: SUM(Profit)

- Edit Colors...
- Format Legends...
- ✓ Show Title
- Edit Title...
- × Hide Card

Color Legend: SUM(Sales)

40,912 1,455,967

METHOD II – USING MEASURE VALUES

STEP 6: Select the required color from the Palette



METHOD II – USING MEASURE VALUES

STEP 7: Confirm that the new color is visible for 1st Measure Color Legend

Pages

Filters

Marks

Measure Values

iii Columns

Measure Names

Rows

Sub-Class

Separate Color Legend for each Measure

Sub-Class	Profit	Quantity	Sales
Accessories	108,040	8,977	633,420
Appliances	122,728	5,004	875,569
Art	50,191	11,958	299,064
Binders	55,577	13,893	331,814
Bookcases	148,230	7,524	1,311,152
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SUM(Profit)

-64,162

225,440

SUM(Quantity)

2,504

13,893

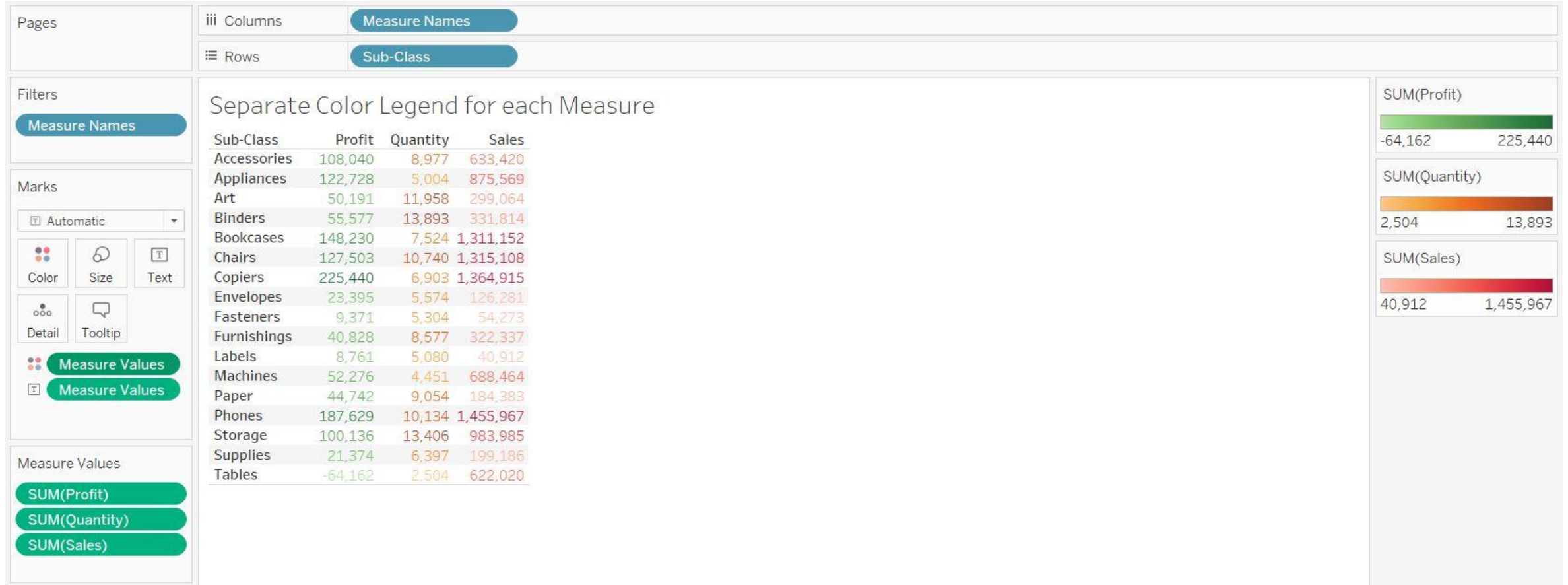
SUM(Sales)

40,912

1,455,967

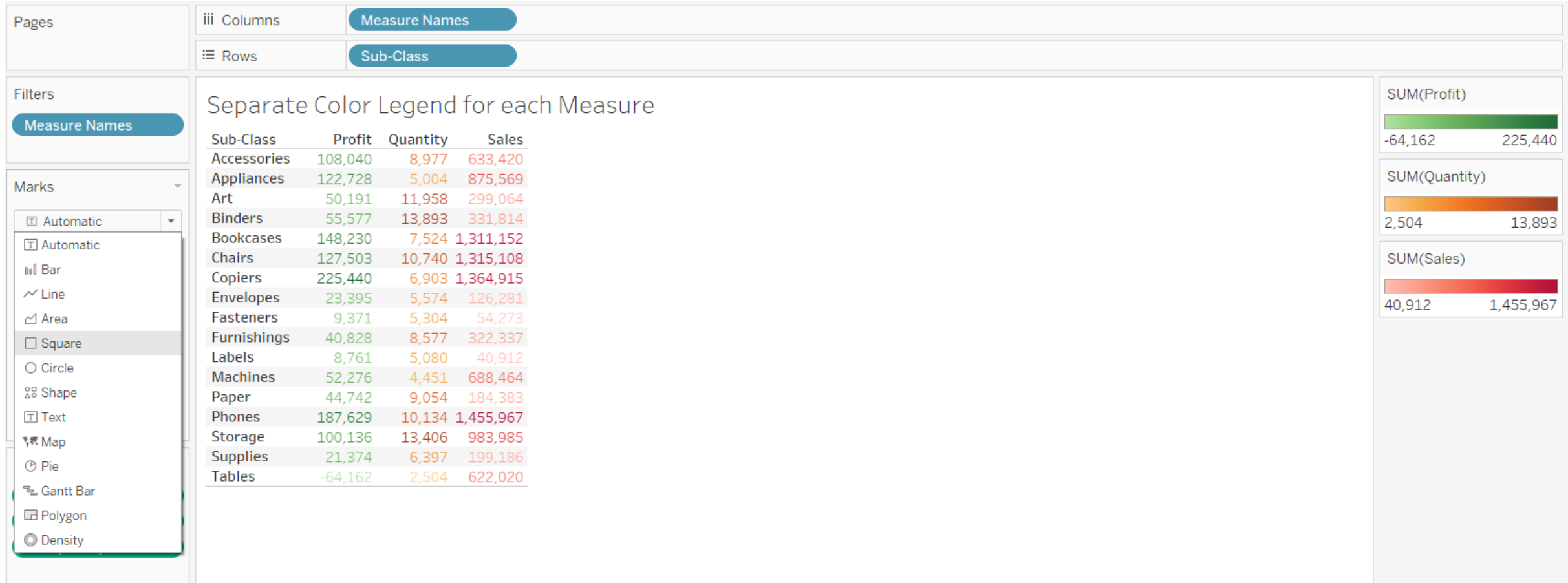
METHOD II – USING MEASURE VALUES

STEP 8: Similarly change the colors for the other Measure Color Legends



METHOD II – USING MEASURE VALUES

STEP 9: Select the **Square Marks** from drop-down list



METHOD II – USING MEASURE VALUES

STEP 10: This is the final view with each Measure having a separate gradient color
This resembles a **Highlight table**

