DIFFERENCE BETWEEN USING DATE VS DISCRETE DIMENSION
IN A BLENDED AXIS CHART

When creating a Blended Axis using a **Date** field it is observed that the **Measure Names** is automatically added to **BOTH** **Color** on the **Marks** card and the **Filters** shelf (filtered to only include the measures to be blended)

This is applicable for all 4 combinations of a Date field
Date Part & **Discrete** format (default date part combination)
Date Value & **Continuous** format (default date value combination)
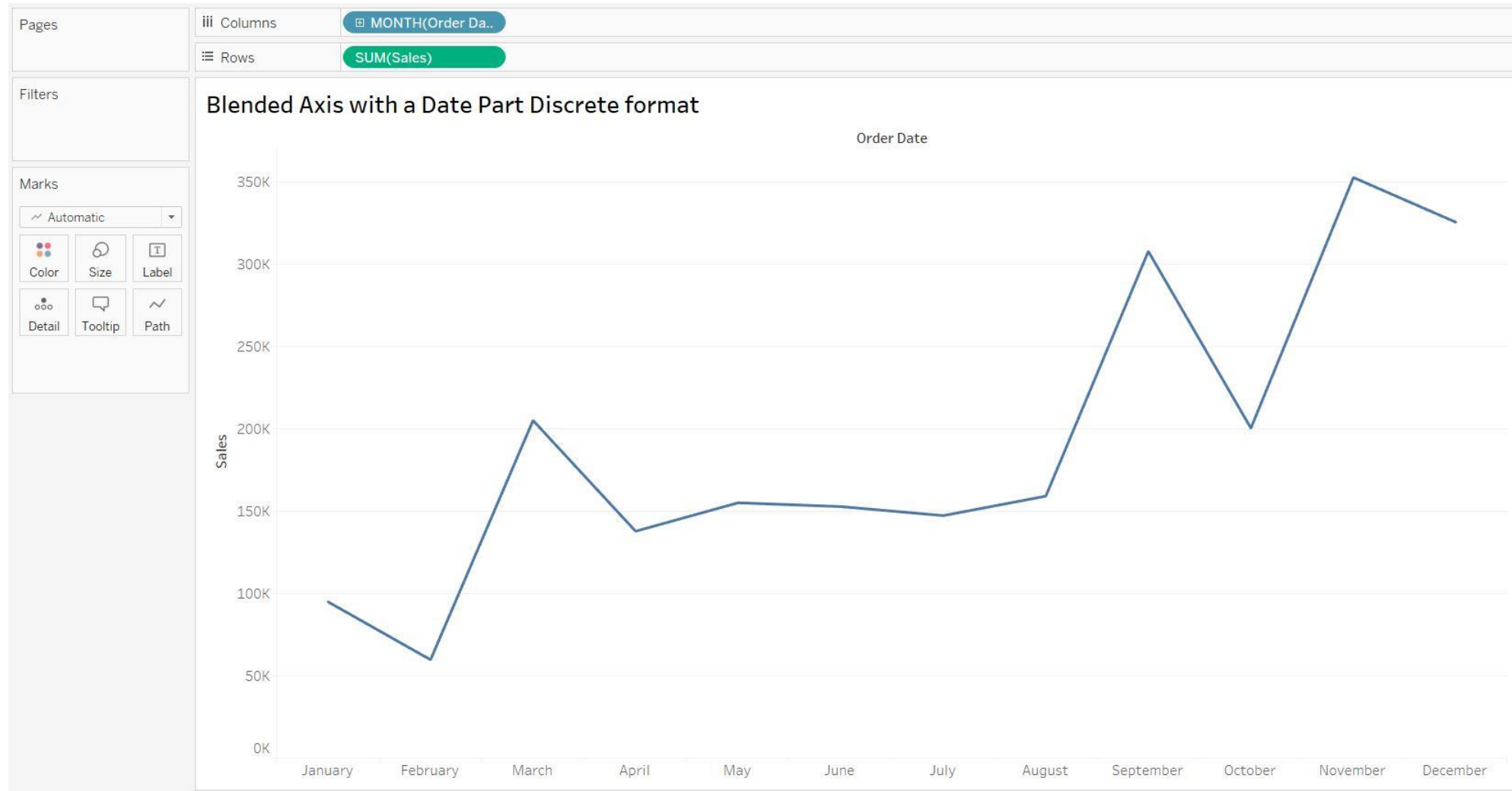**Date Part** & **Continuous** format
Date Value & **Discrete** format

When creating a Blended Axis using a **Discrete Dimension** field it is observed that the **Measure Names** is **NOT** added automatically to **Color** on the **Marks** card. It is automatically added only to the Filters shelf.
We need to drag it **manually** to **Color** on the **Marks** card in case we need to differentiate the measures by means of **Measure Names**.
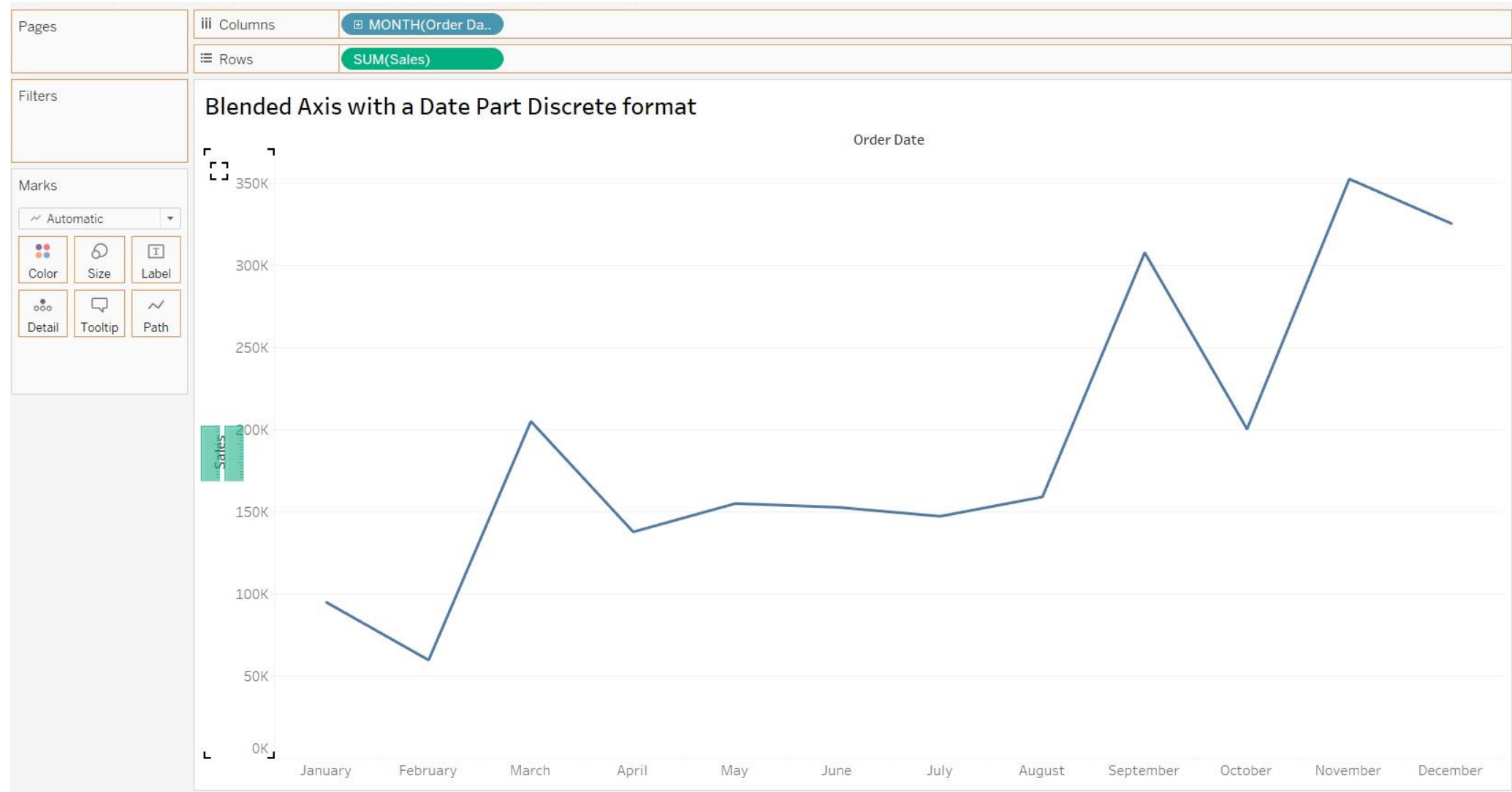
BLENDED AXIS WITH DATE PART IN DISCRETE FORMAT

Step 1: Let us start with the below mentioned view with **Month Date Part (Discrete)** in **Columns Shelf** and **Sales** in **Rows** shelf
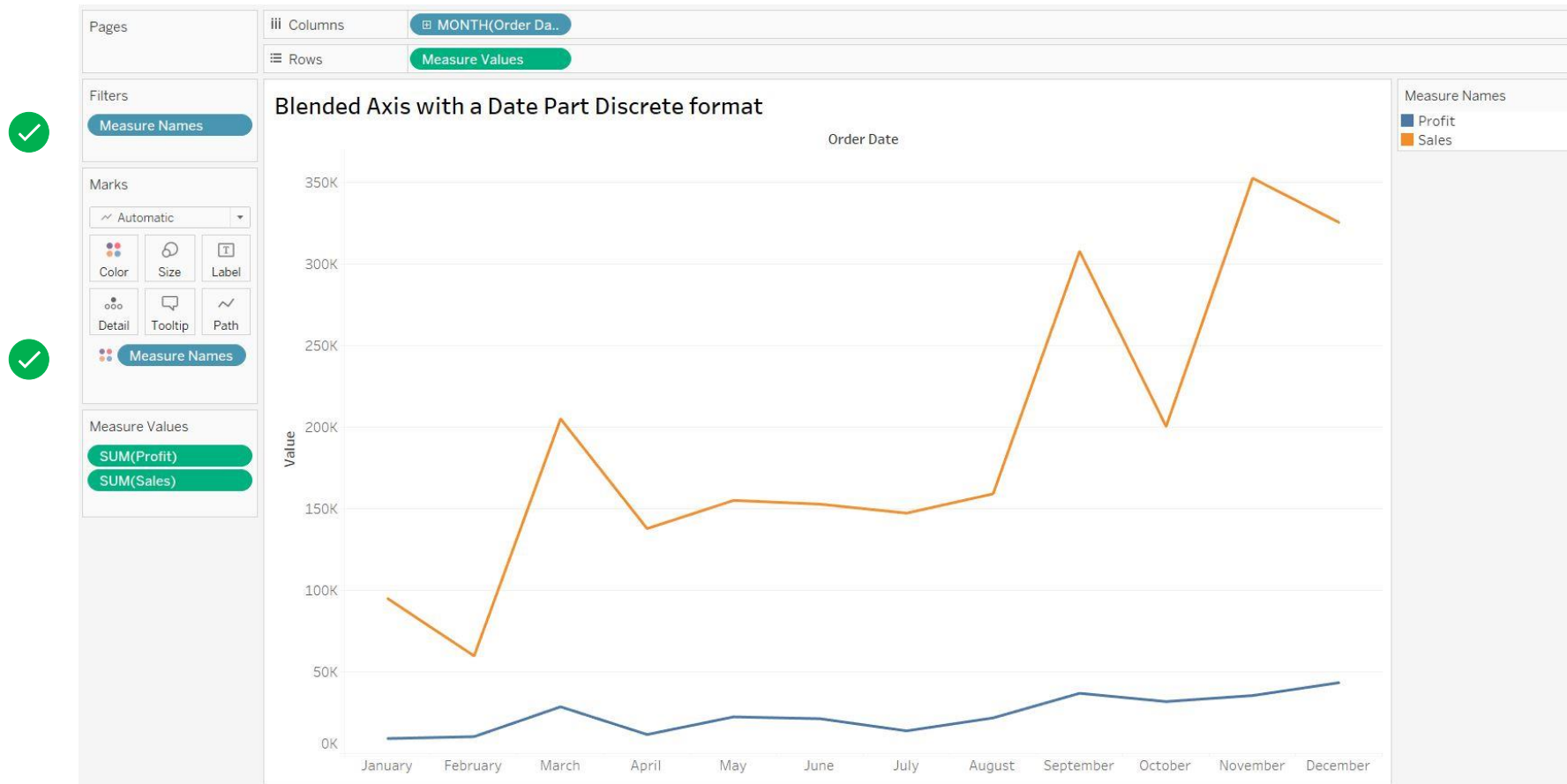
BLENDED AXIS WITH DATE PART IN DISCRETE FORMAT

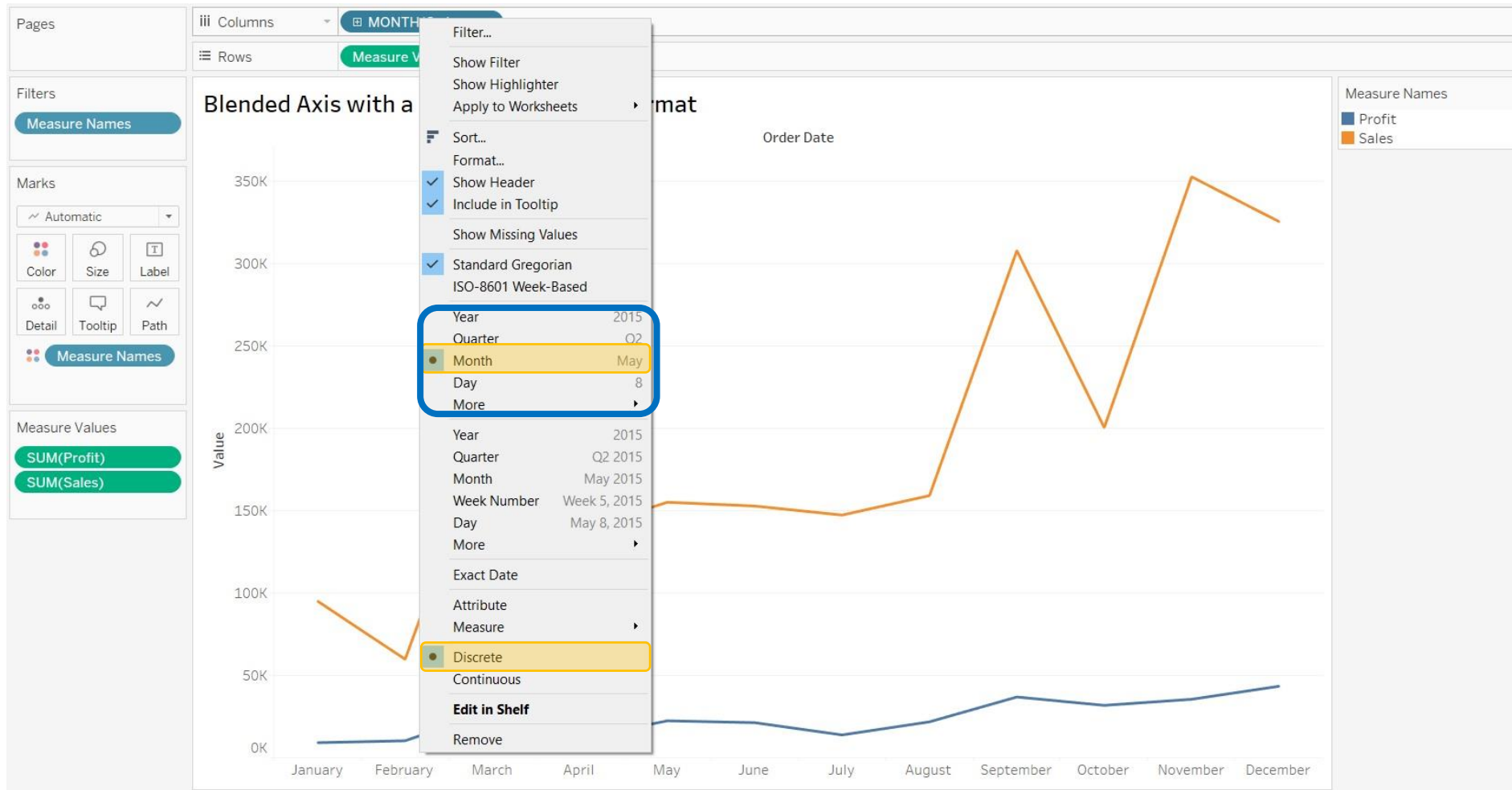**Step 2:** Drag and drop **Profit** to the existing **Sales** Axis

BLENDED AXIS WITH DATE PART IN DISCRETE FORMAT

Step 3: Now both **Sales** and **Profit** are sharing the same axis using the **Measure Values** The **Measure Names** field is automatically added to **Color** on the **Marks** card so that a line is drawn for each measure. **Measure Names** field is filtered to only include the measures to be blended.
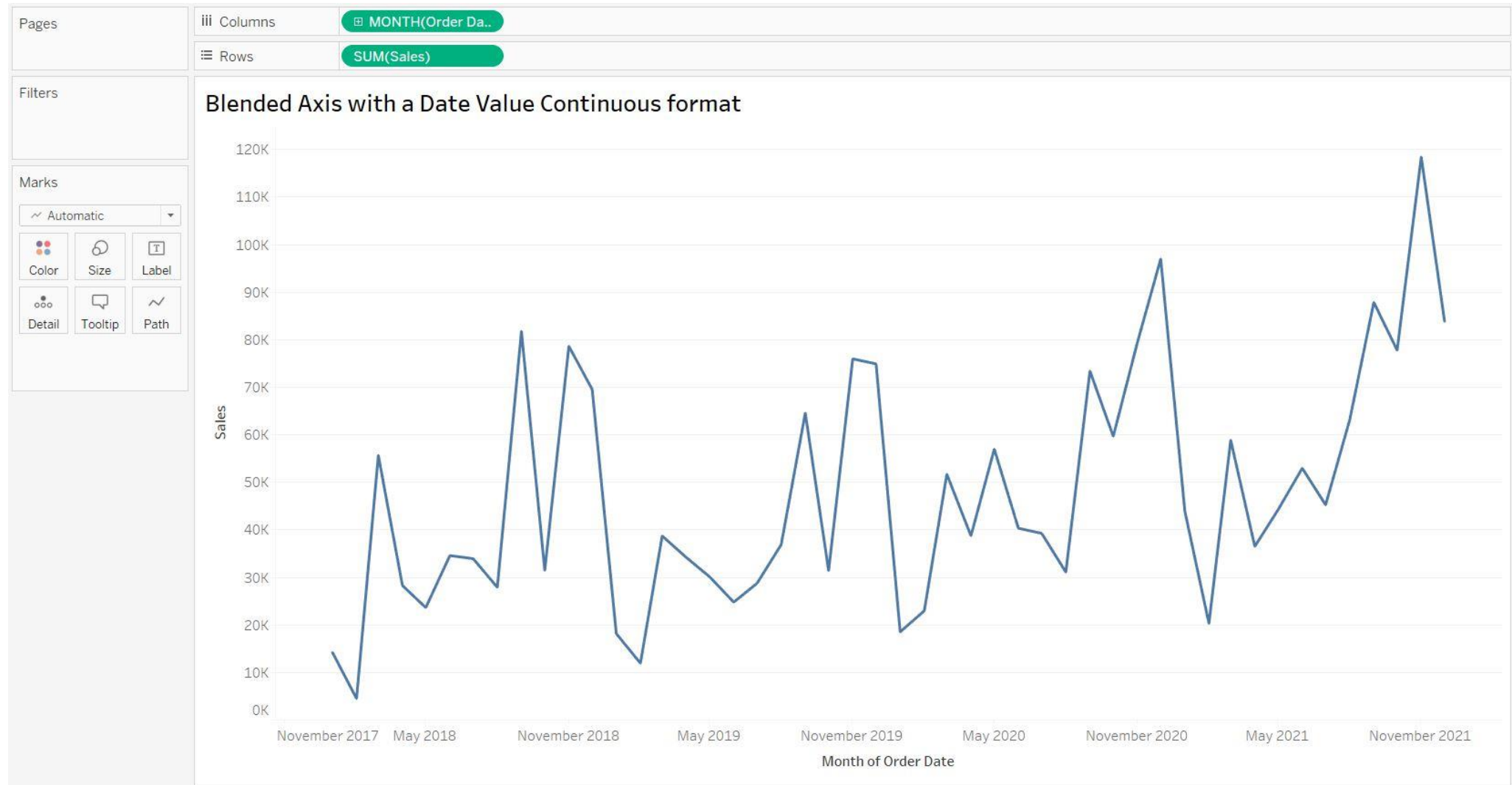
BLENDED AXIS WITH DATE PART IN DISCRETE FORMAT

Step 4: We can confirm if the date is **Date Part** and **Discrete** format by right-clicking the **MONTH(Order Date)**
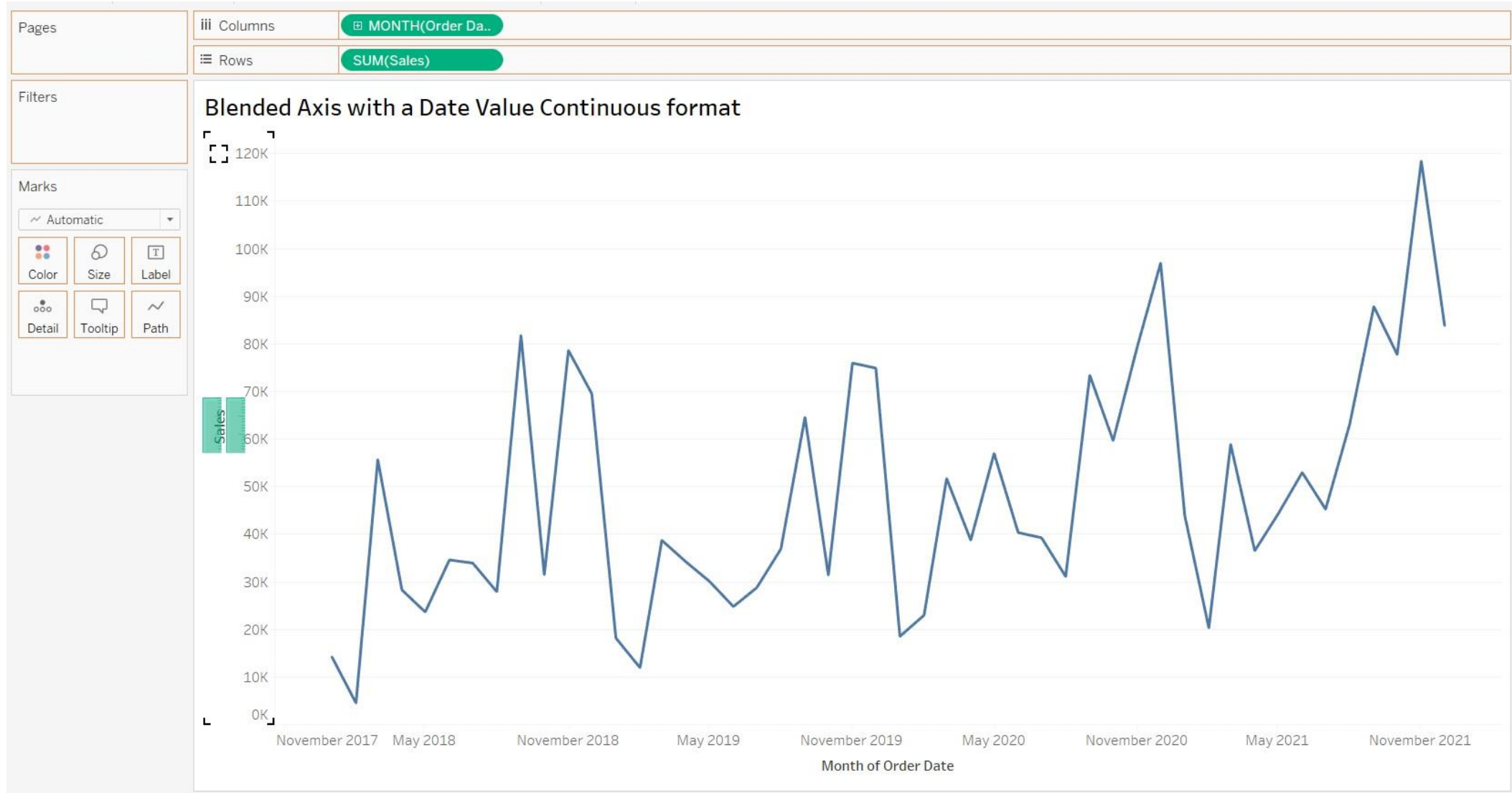
BLENDED AXIS WITH DATE VALUE IN CONTINUOUS FORMAT

Step 1: Let us start with the below mentioned view with **Month Date Value (Continuous)** in **Columns Shelf** and **Sales** in **Rows** shelf
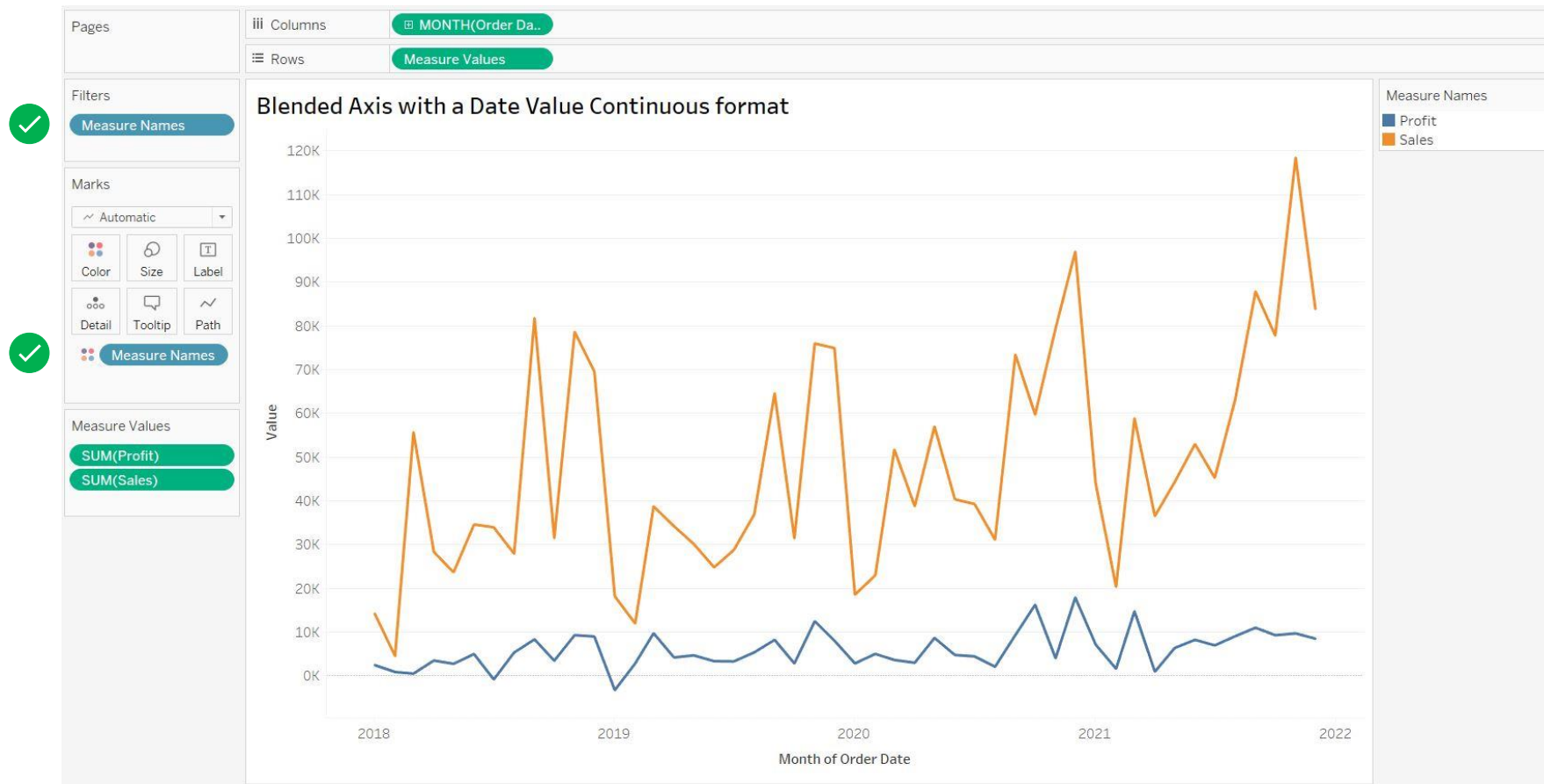
BLENDED AXIS WITH DATE VALUE IN CONTINUOUS FORMAT

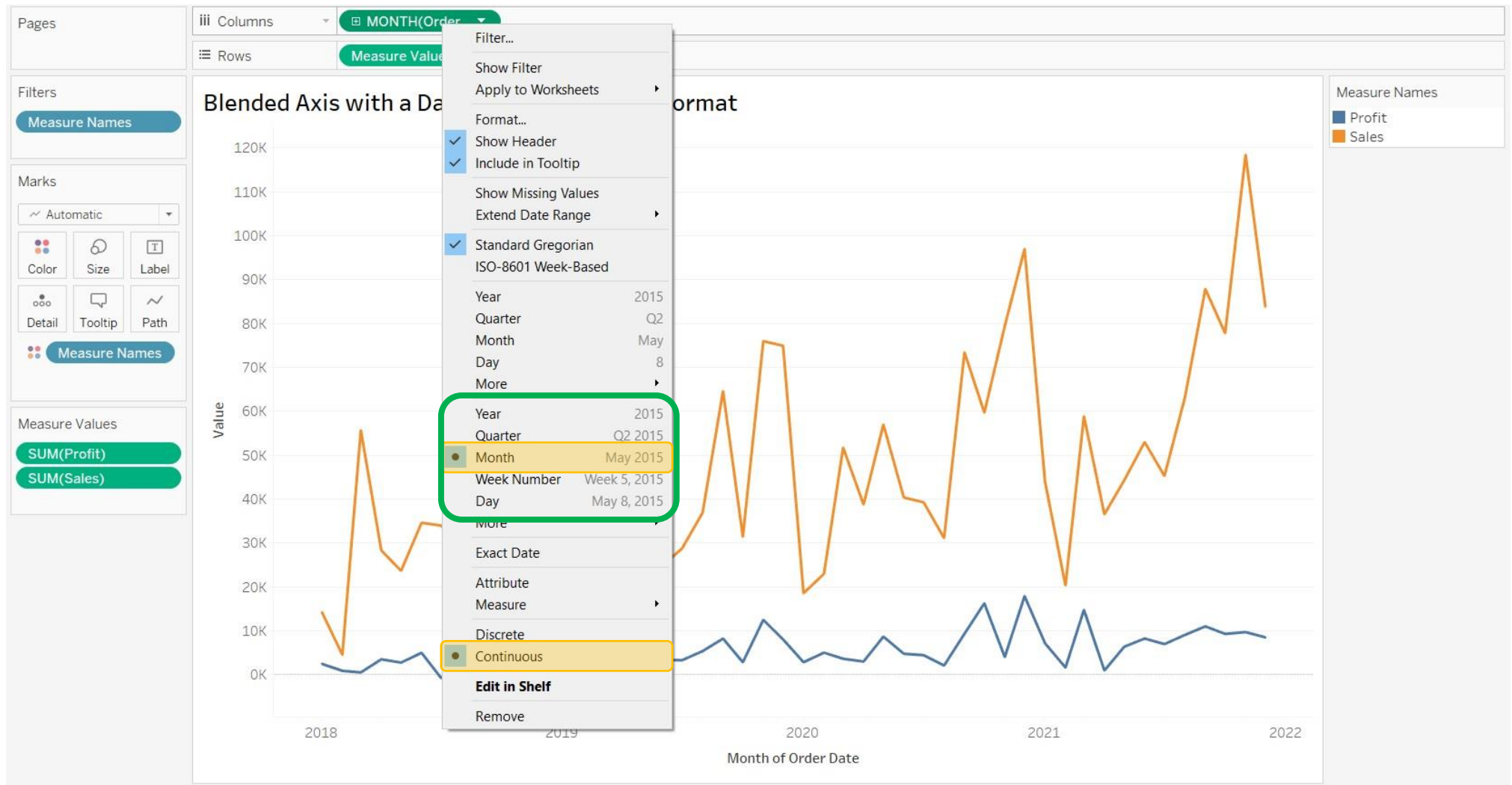**Step 2:** Drag and drop **Profit** to the existing **Sales** Axis

BLENDED AXIS WITH DATE VALUE IN CONTINUOUS FORMAT

Step 3: Now both **Sales** and **Profit** are sharing the same axis using the **Measure Values** The **Measure Names** field is automatically added to **Color** on the **Marks** card so that a line is drawn for each measure. **Measure Names** field is filtered to only include the measures to be blended.
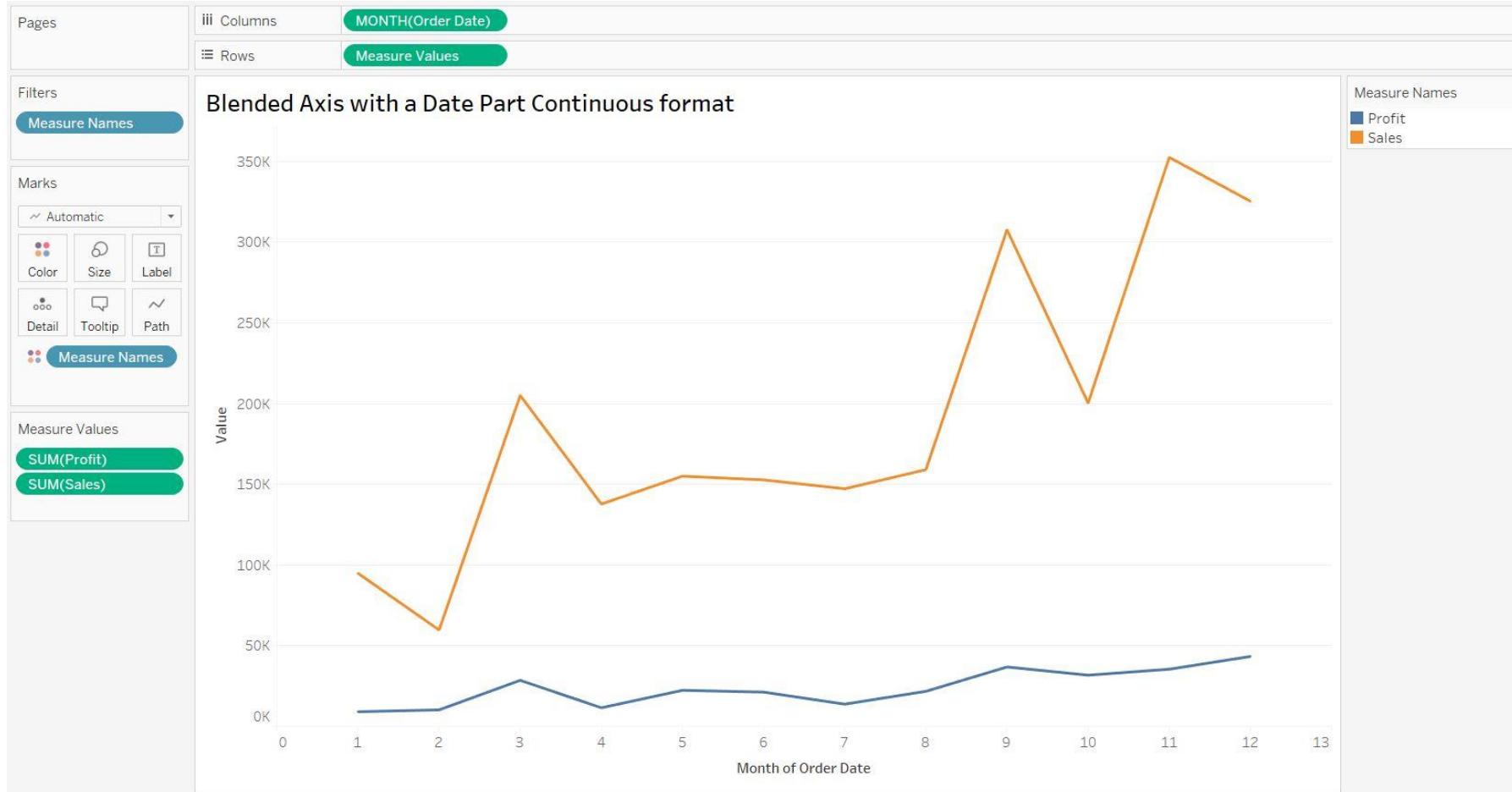
BLENDED AXIS WITH DATE VALUE IN CONTINUOUS FORMAT

Step 4: We can confirm if the date is **Date Value** and **Continuous** format by right-clicking the **MONTH(Order Date)**
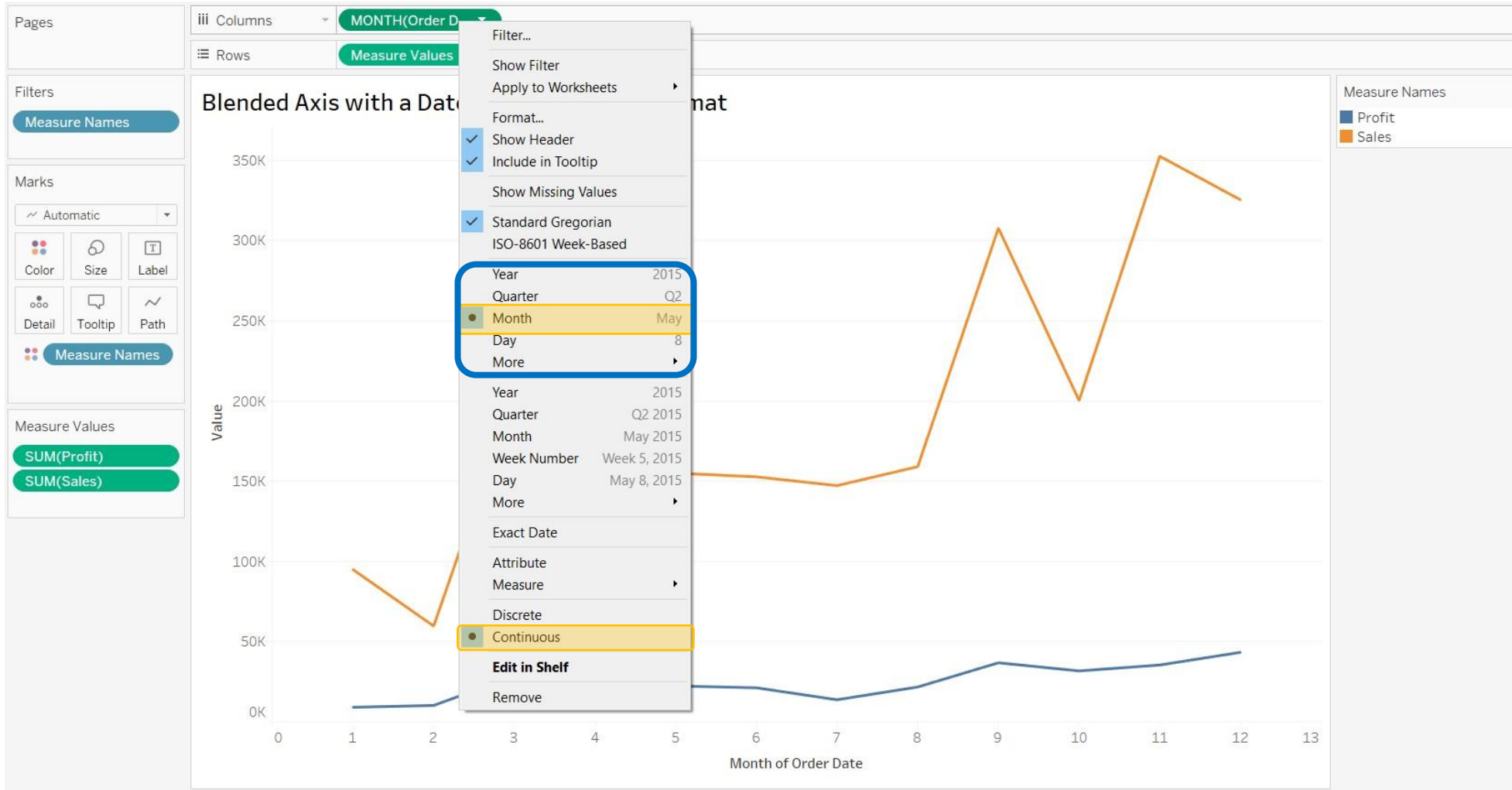
BLENDED AXIS WITH DATE PART IN CONTINUOUS FORMAT

Step 1: We observe the same behavior with **Month Date Part (Continuous)**
i.e., The **Measure Names** field is automatically added to **Color** on the **Marks** card
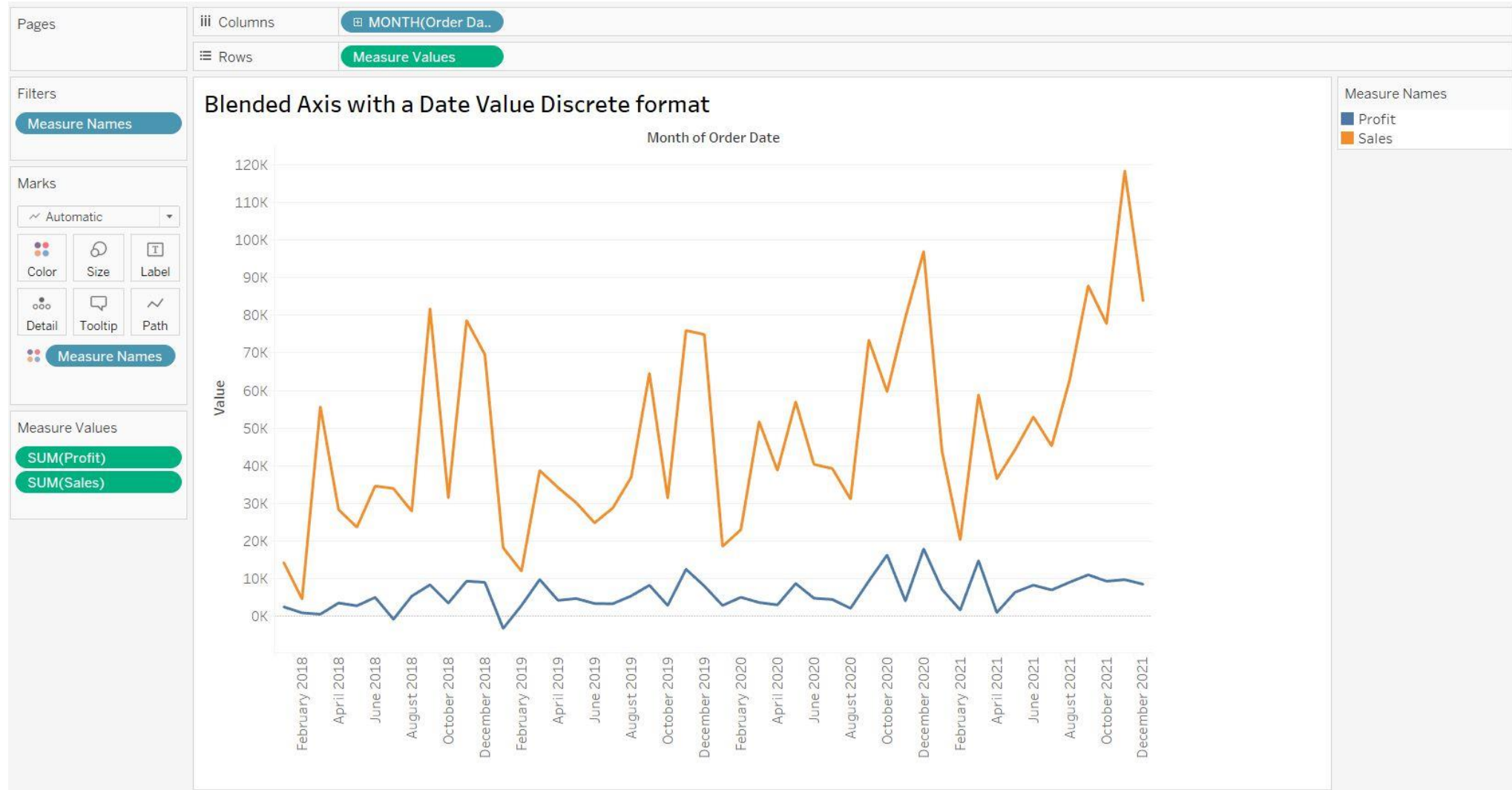
BLENDED AXIS WITH DATE PART IN CONTINUOUS FORMAT

Step 2: We can confirm if the date is **Date Part** and **Continuous** format by right-clicking the **MONTH(Order Date)**
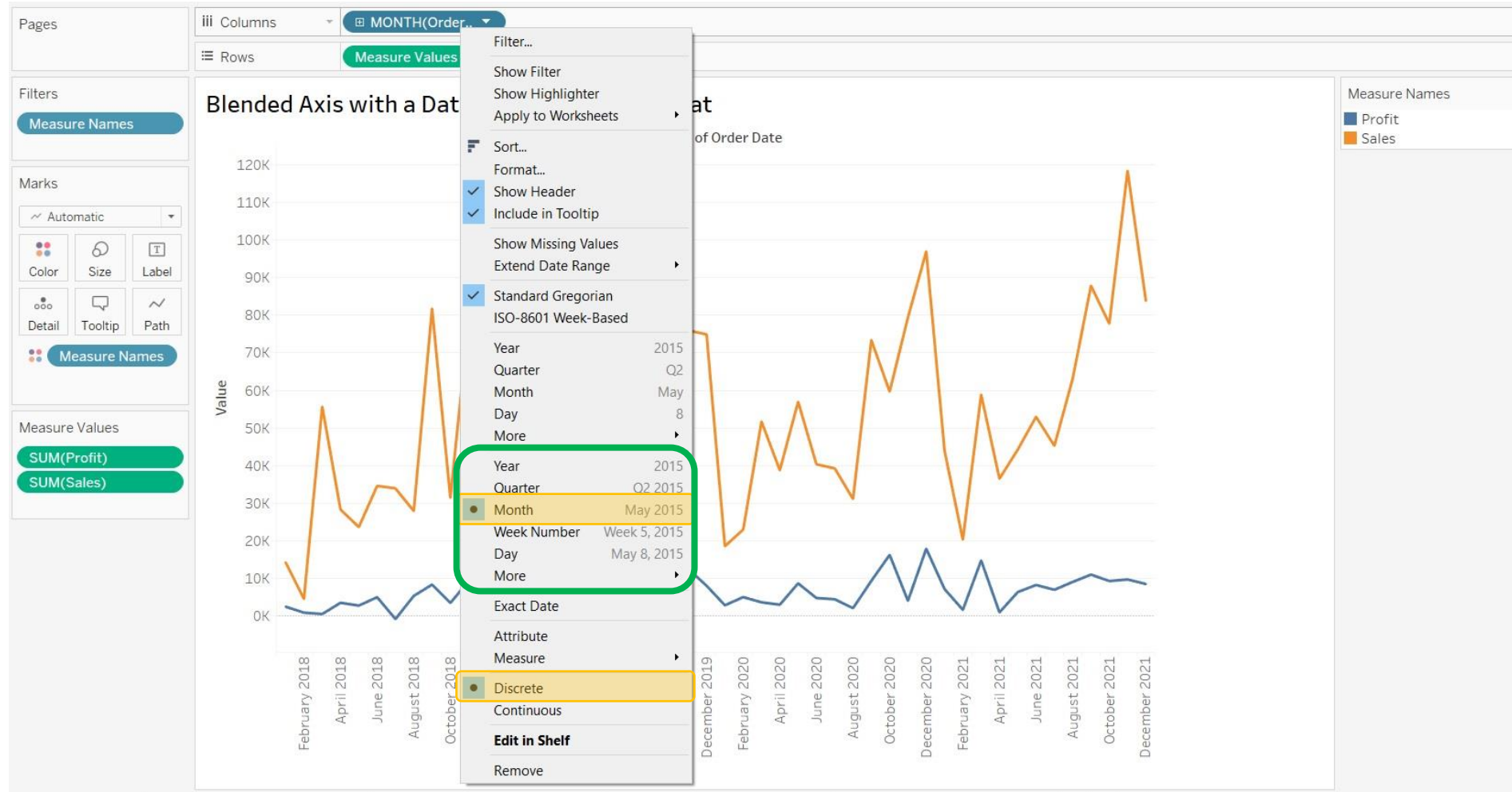
BLENDED AXIS WITH DATE VALUE IN DISCRETE FORMAT

Step 1: We observe the same behavior with **Month Date Value (Discrete)**
i.e., The **Measure Names** field is automatically added to **Color** on the **Marks** card

BLENDED AXIS WITH DATE VALUE IN DISCRETE FORMAT

Step 2: We can confirm if the date is **Date Value** and **Discrete** format by right-clicking the **MONTH(Order Date)**
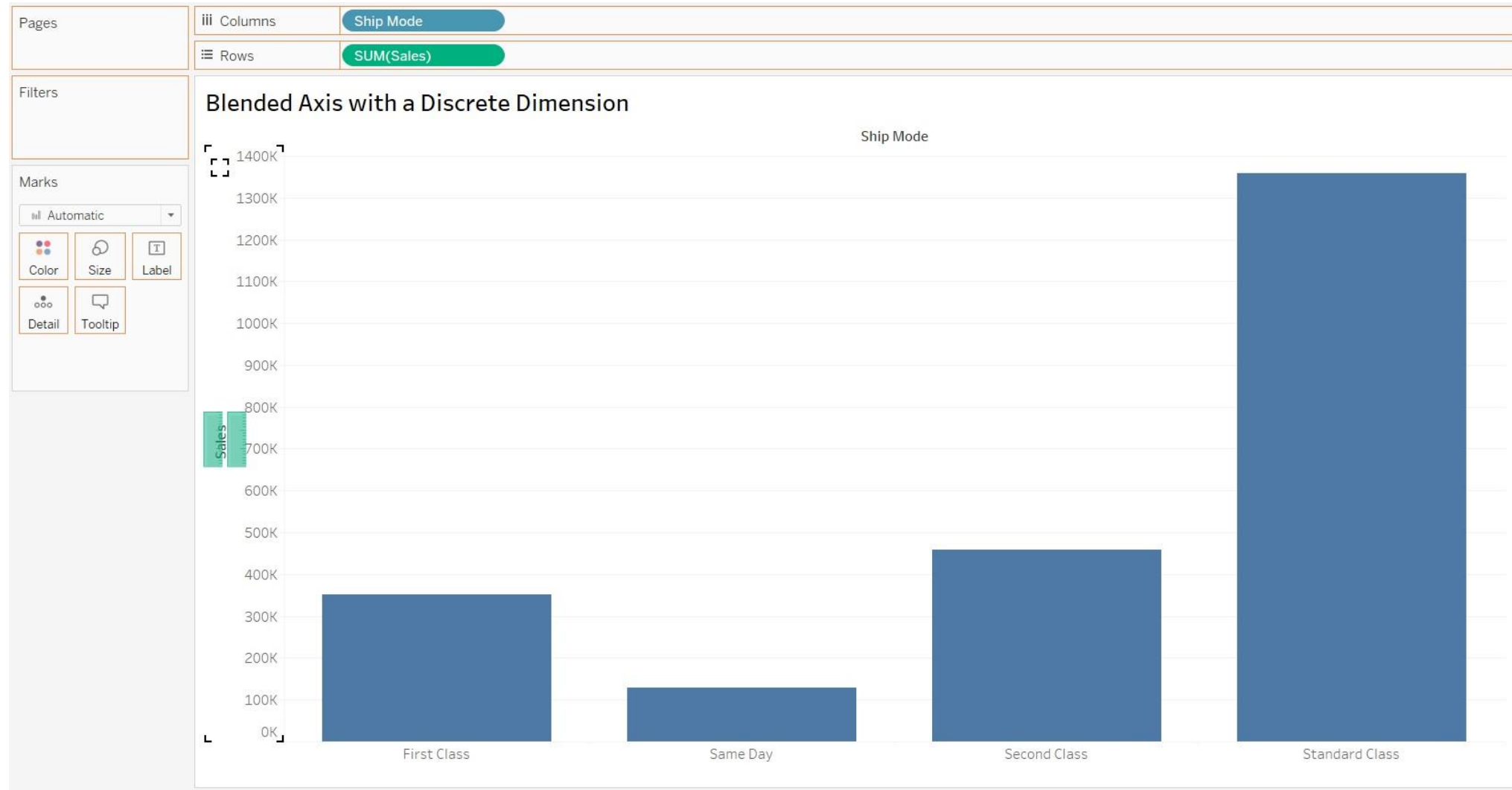
BLENDED AXIS WITH DISCRETE DIMENSION

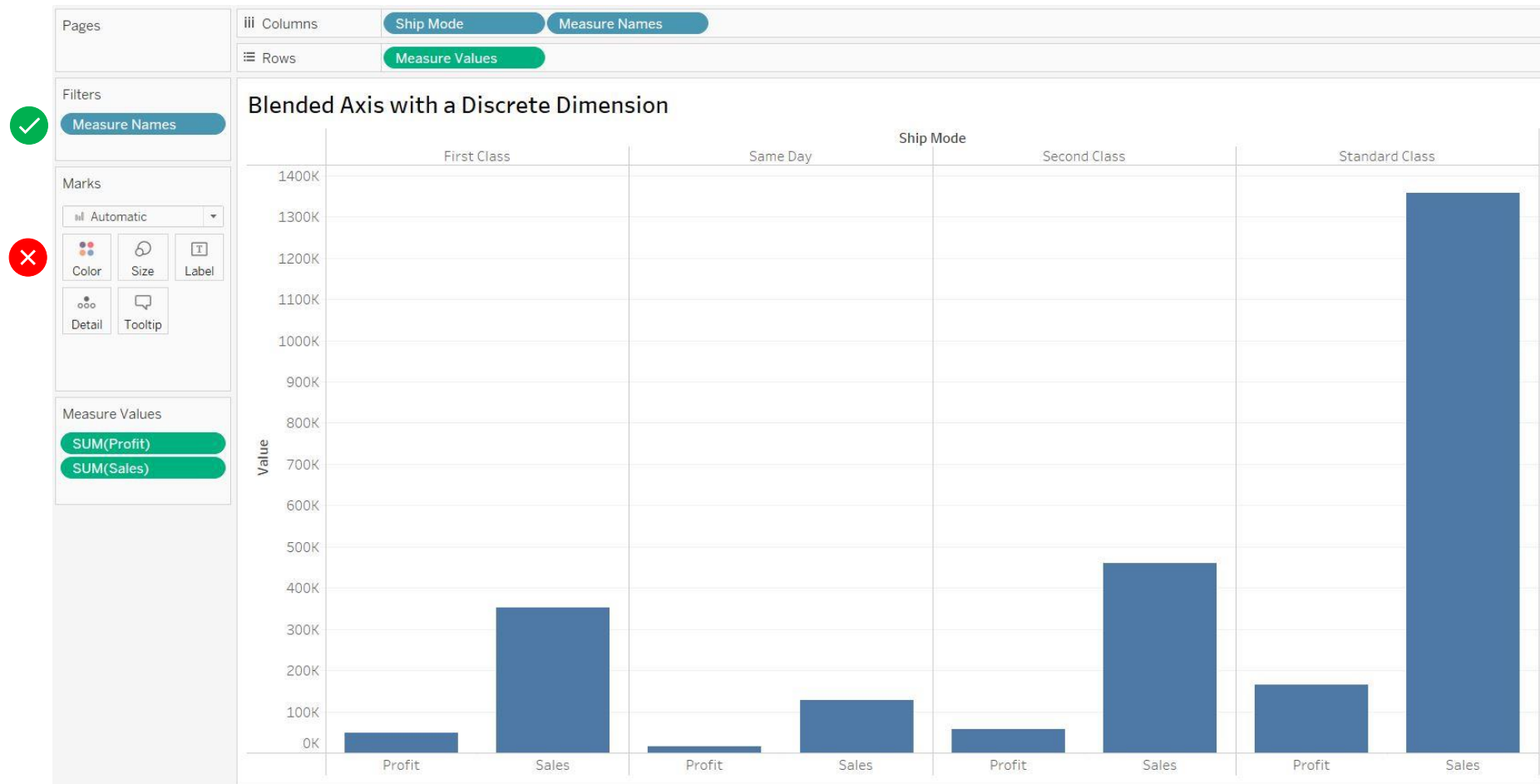**Step 1:** Let us start with the below mentioned view with **Ship Mode** in **Columns Shelf** and **Sales** in **Rows** shelf

BLENDED AXIS WITH DISCRETE DIMENSION

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

BLENDED AXIS WITH DISCRETE DIMENSION

Step 3: Now both **Sales** and **Profit** are sharing the same axis using the **Measure Values** But the **Measure Names** field is **NOT** automatically added to **Color** on the **Marks** card. **Measure Names** field is filtered to only include the measures to be blended.

BLENDED AXIS WITH DISCRETE DIMENSION

Step 4: We need to manually drag and drop **Measure Names** from **Data** pane on **Color** of **Marks** card