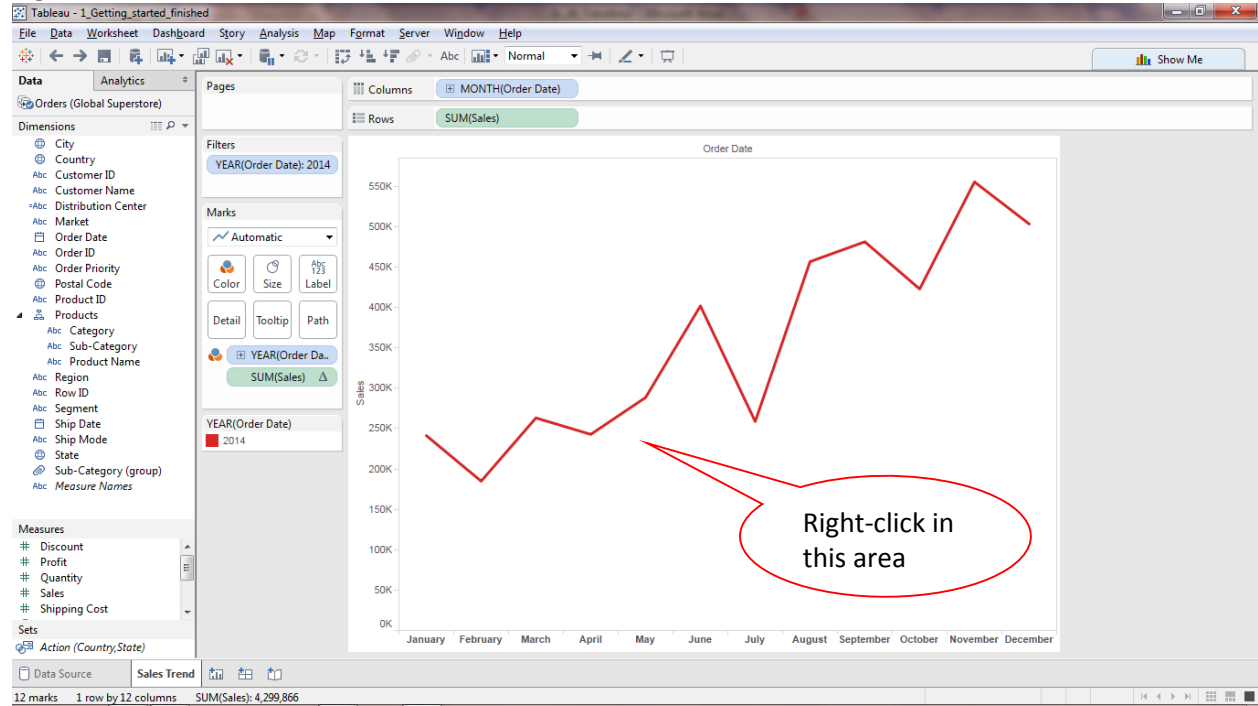


**Objective:** This exercise will demonstrate how trendlines can be inserted on a chart

Figure 1 displays a line chart that shows the sum of sales over a 12 month period.

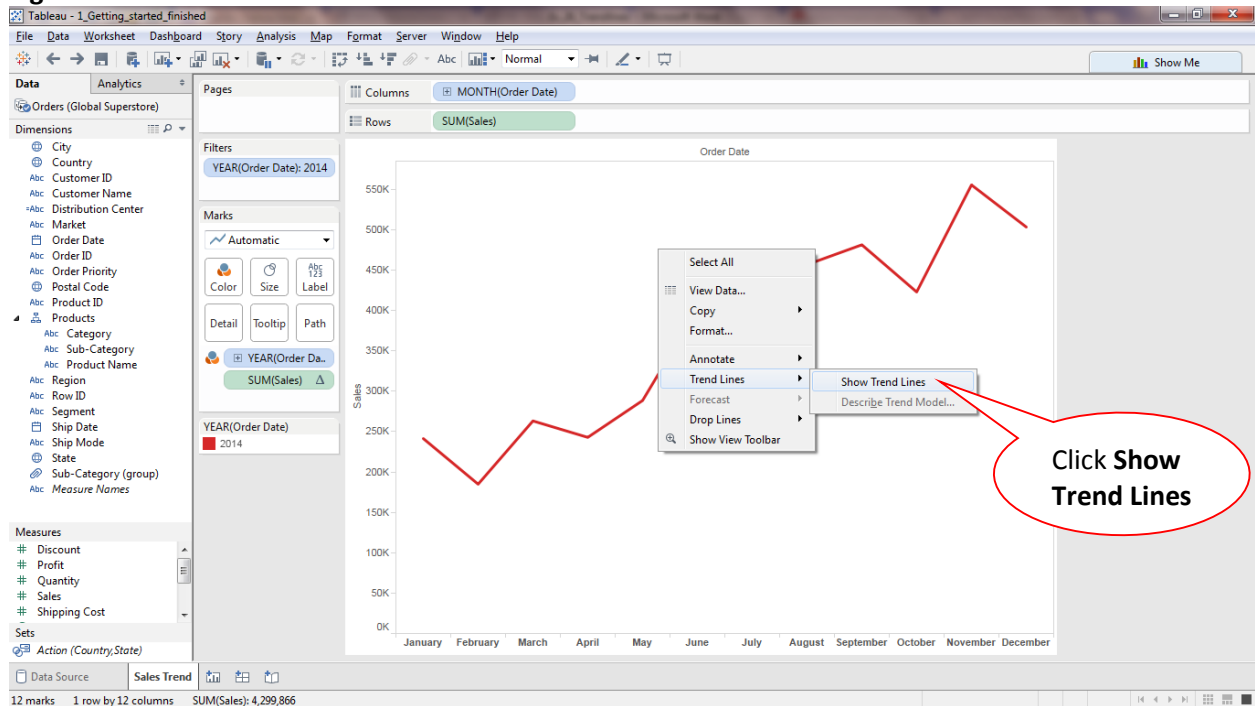
**Figure 1**



To show a trend line for the displayed data:

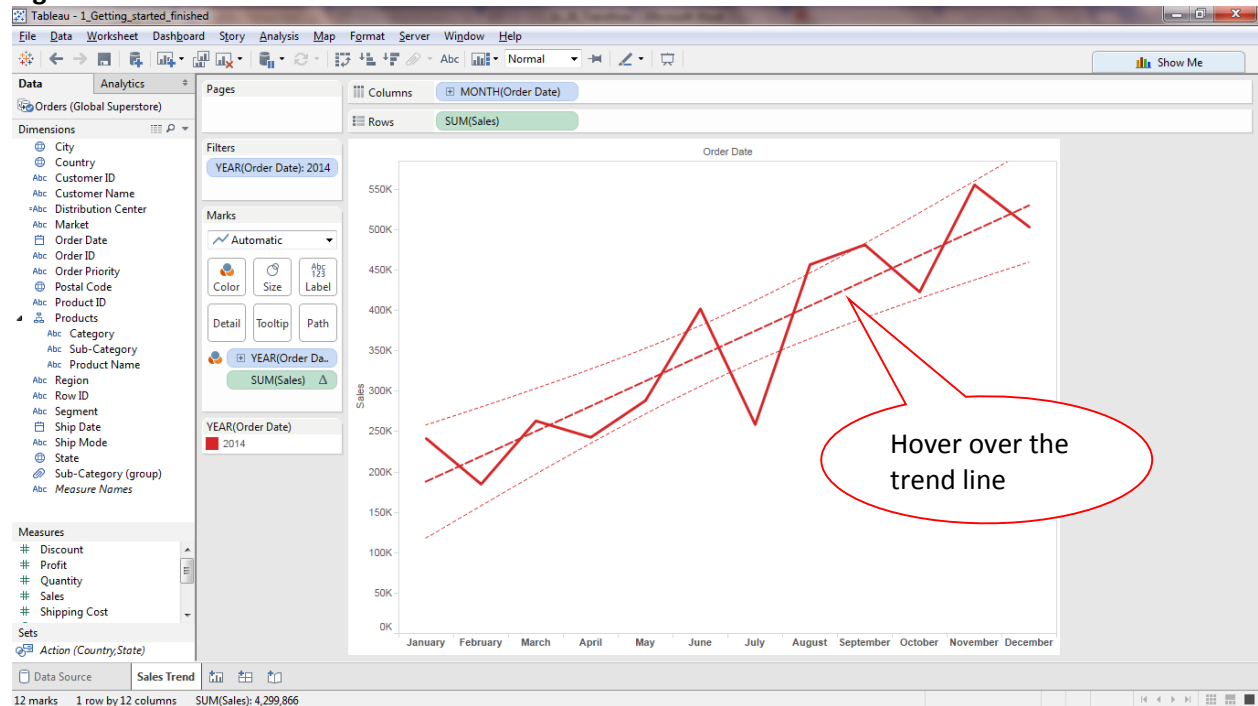
- Right-click within the chart area as shown on Figure 1, which will popup the menu tree displayed on Figure 2

Figure 2



- Navigate as follows: **Trend Lines > Show Trend Lines** as shown on Figure 2
- Click **Show Trend Lines** as shown on Figure 2, which will lead to Figure 3 where the trend line has been inserted

**Figure 3**



- Hover over the trend line as shown on Figure 3, which will display more information about the trend such as P-value, as shown on Figure 4

Figure 4

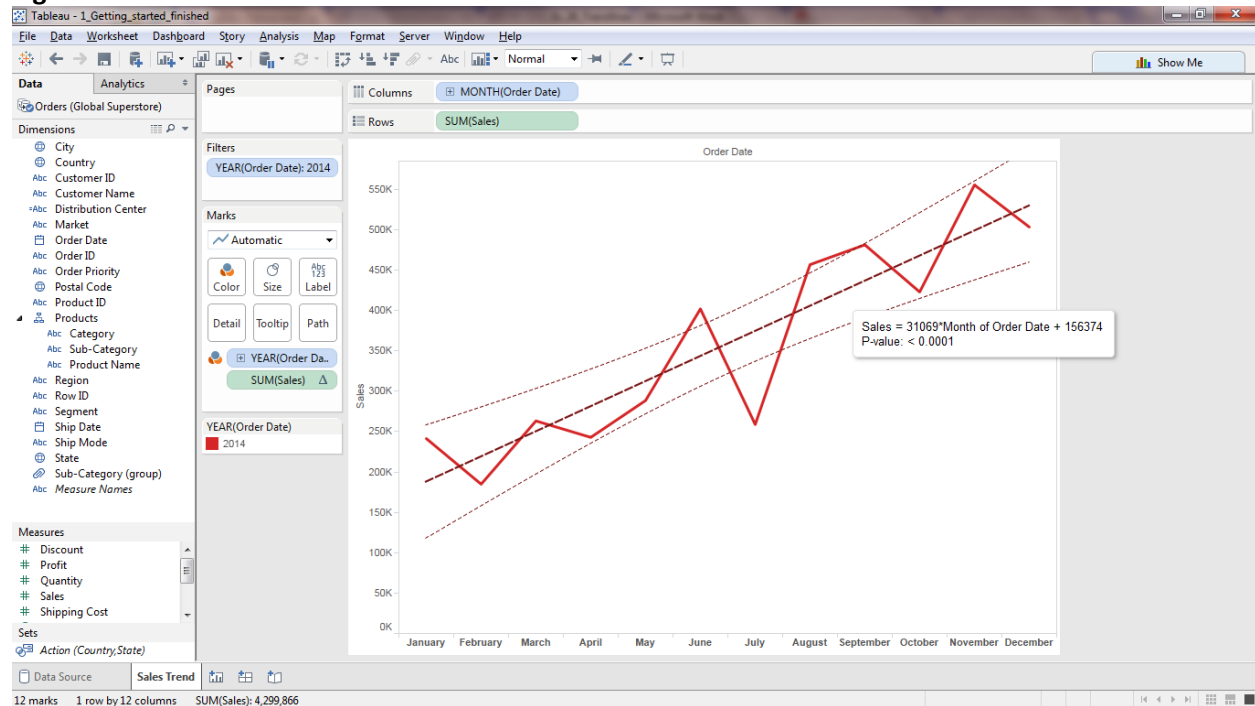
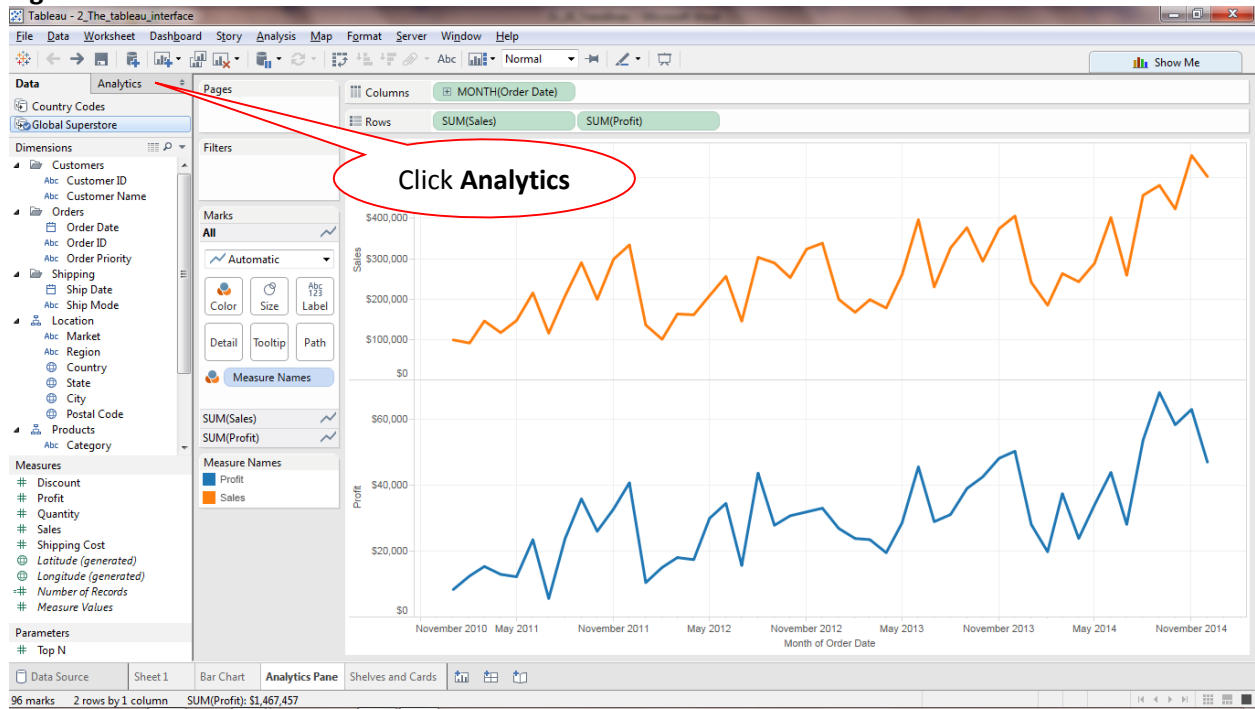


Figure 4 displays the P-value which indicates the significance of the result. A smaller value indicates that the results are significant. However, a large P-value can indicate that the trend in the data is due to chance—not due to the model.

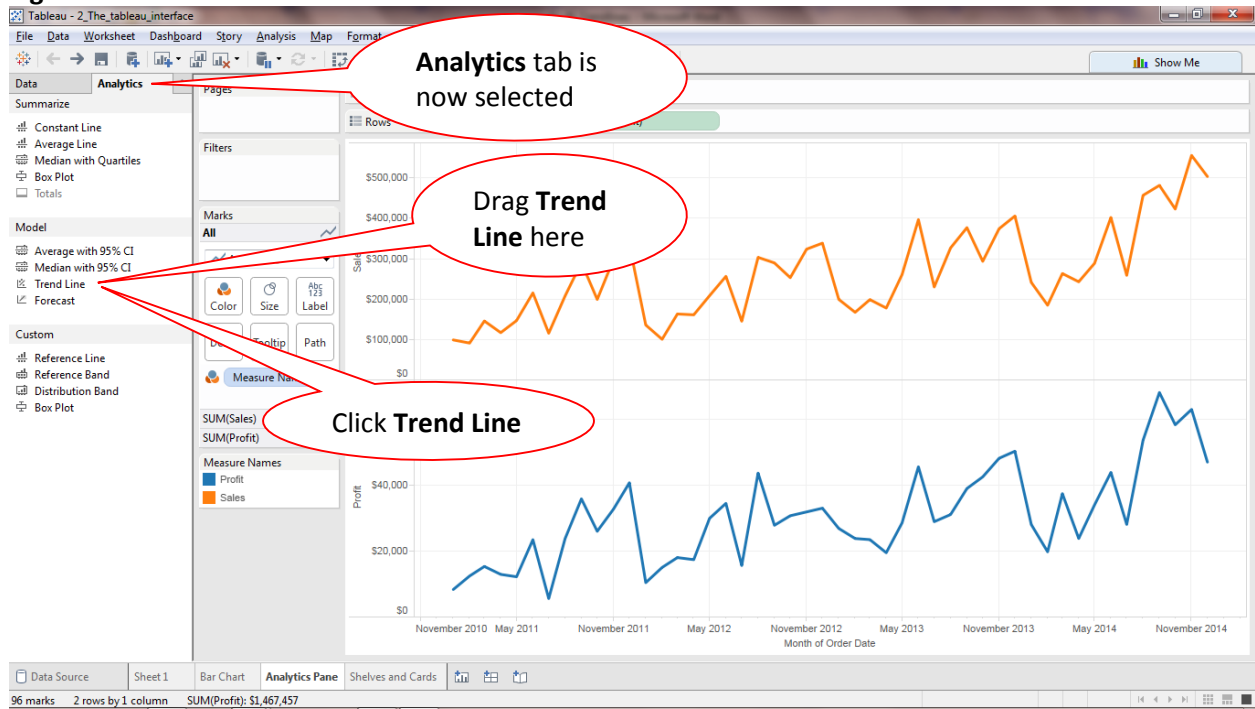
An alternative method can also be used for inserting trend lines in a chart, which is demonstrated in the following steps. For this method, we will start with the visualization displayed on Figure 5.

**Figure 5**



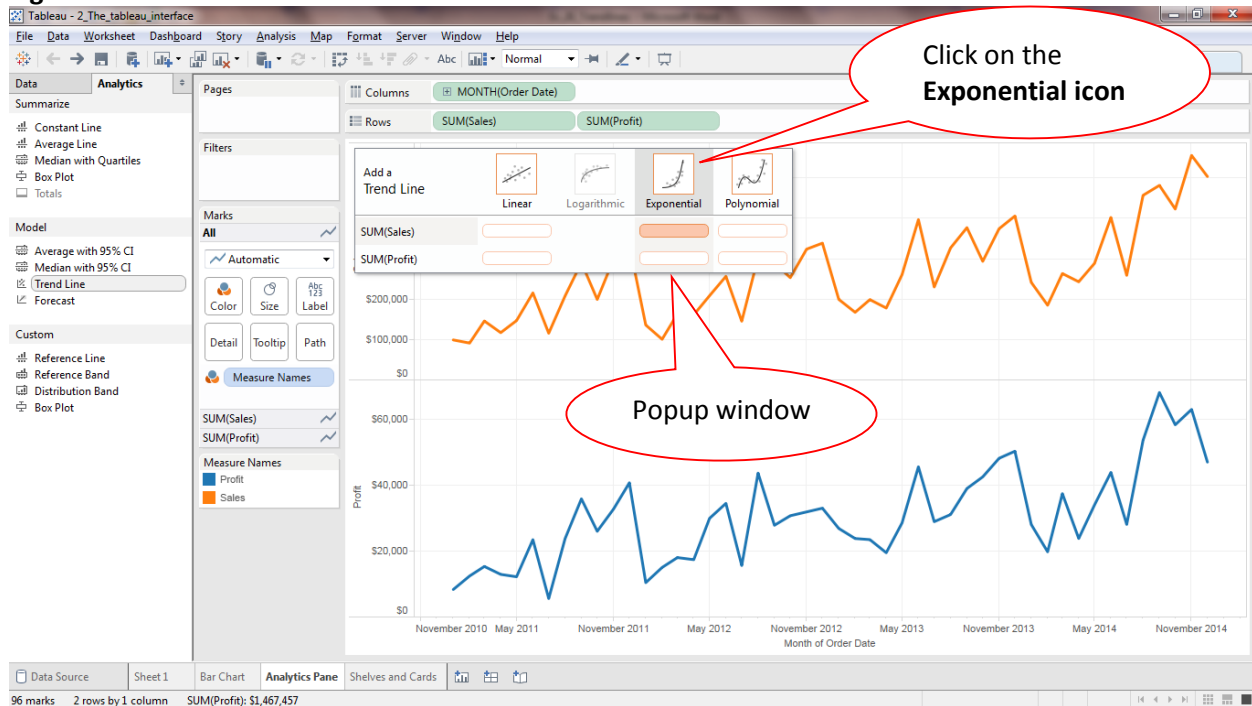
- Click the **Analytics** tab in the **Data Window** as shown on Figure 5, which will lead to the display on Figure 6

**Figure 6**



- Click **Trend Line** as shown on Figure 6
- Drag **Trend Line** onto the chart area as shown on Figure 6, which will popup the window displayed on Figure 7

**Figure 7**



The type of trend line that is desired can be selected on the popup window.

To select the exponential model:

- Click the **Exponential** icon as shown on Figure 7, which will generate the trend line shown on Figure 8

Figure 8

