

Visualization Charts

Interview Questions:

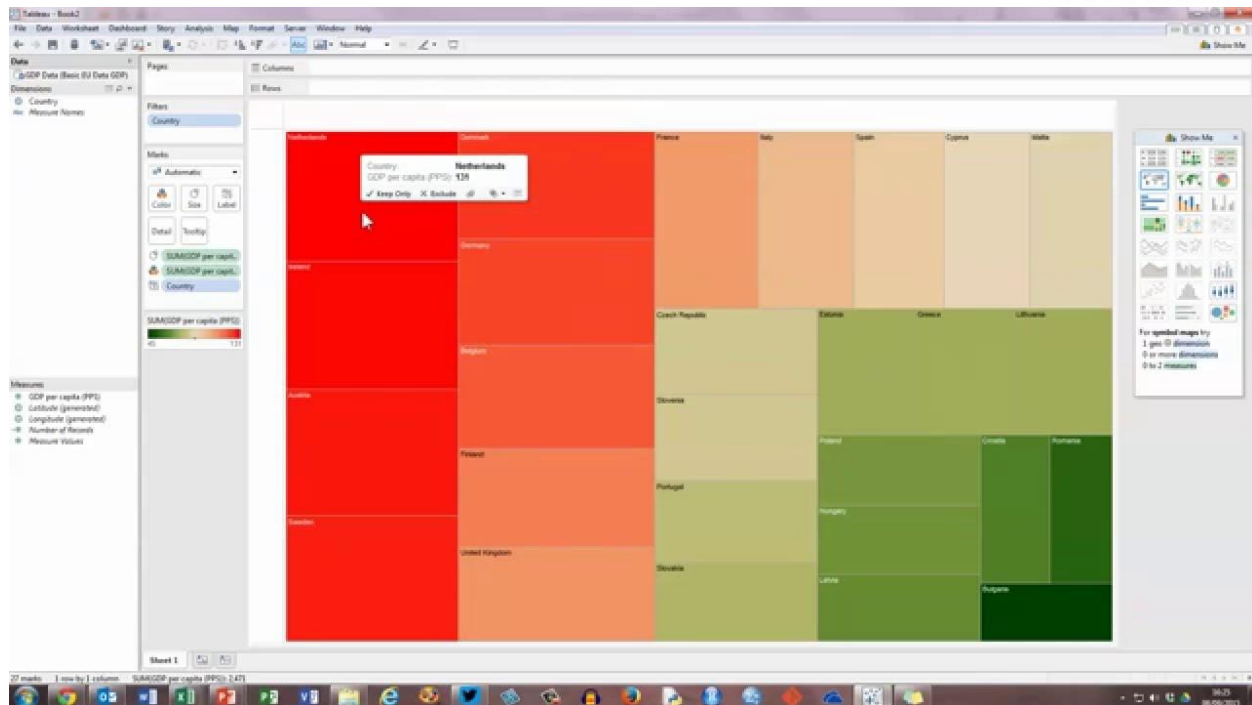
1. Define Heat Map?

A heat map is a graphical representation of data that uses the color-coding technique to represent different values of data. As the marks heat up due to their higher value, dark colors will be shown on the map.



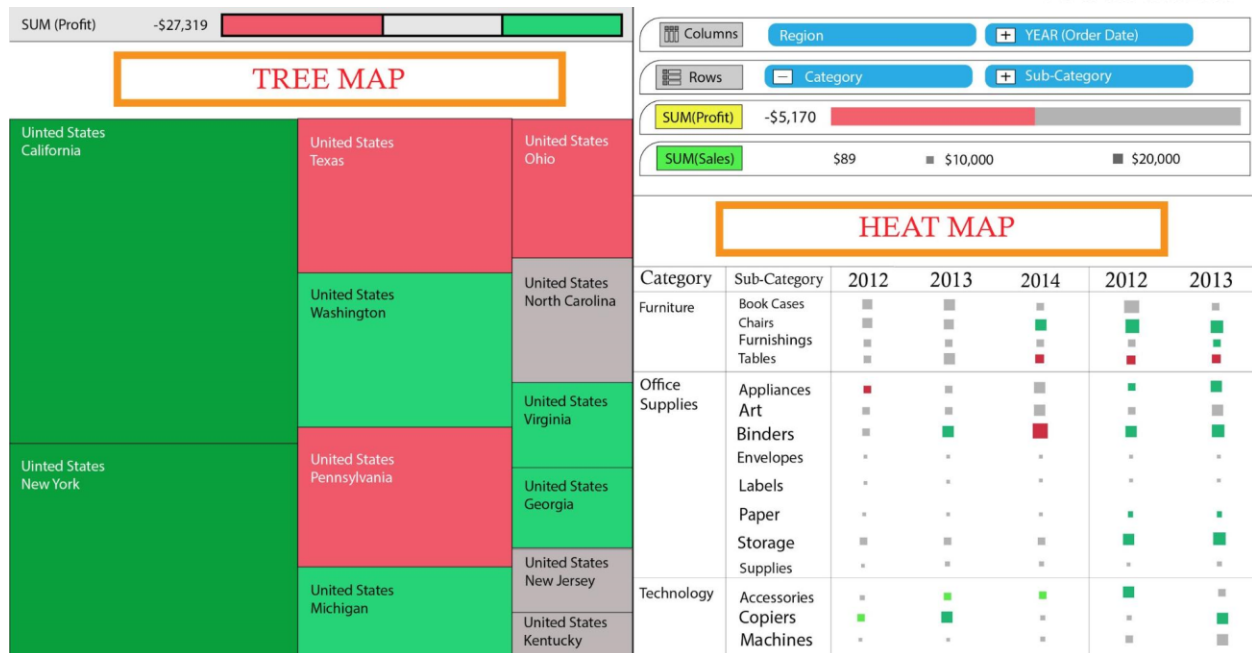
2. Define TreeMap?

TreeMap is a visualization that organizes data hierarchically and shows them as a set of nested rectangles. The size and colors of rectangles are respective to the values of the data points they project. Parent rectangles will be tiled with their child elements.



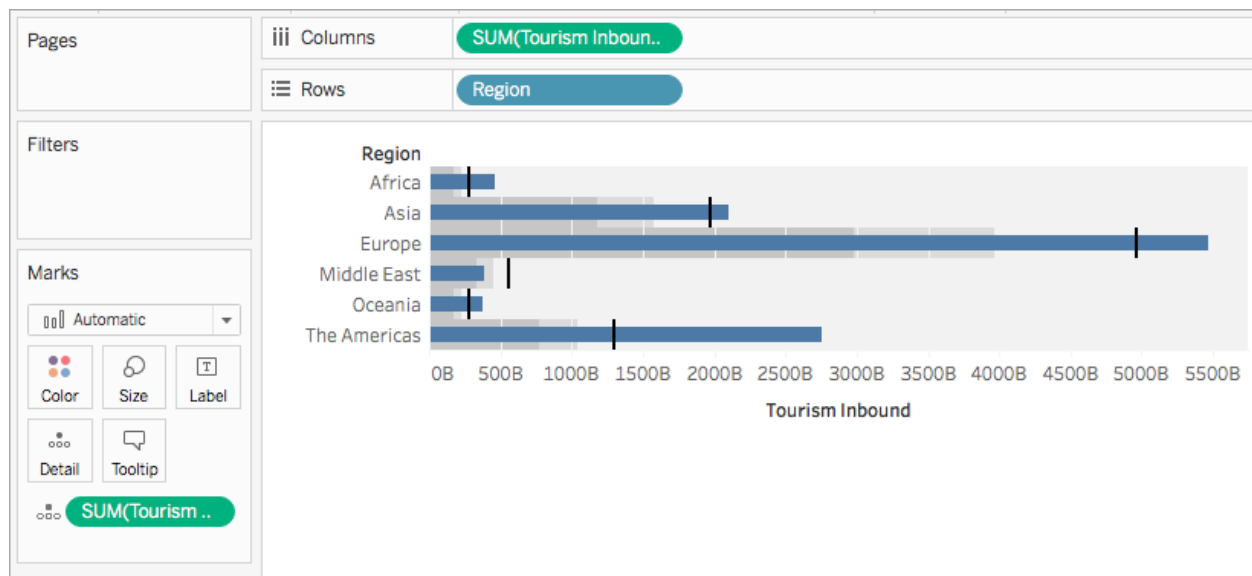
3. What is the difference between a Heat map and Treemap?

TreeMap represents the data hierarchically and shows them as a set of nested rectangles. Heat Map represents the data graphically which uses multiple colors to represent different values. TreeMap is used for comparing the categories with colors, size, and it can also be used for illustrating the hierarchical data and part to whole relationships. Heat Map is used for comparing the categories based on color and size. And also it is great in spotting the patterns based on the density of the information. The colors and size of rectangles are respective to the values of the data points. When their values are higher or density of records, the data will represent in dark color.



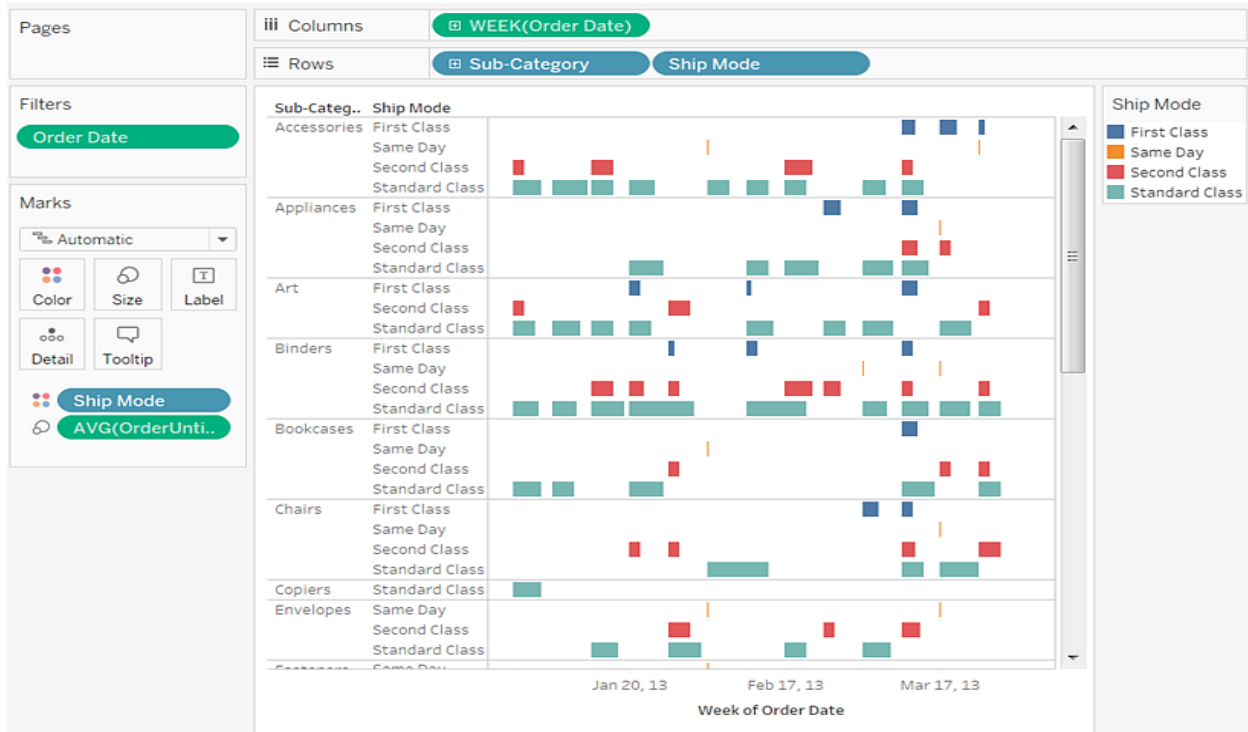
4. Define Bullet graph?

A bullet graph is a variant of Bar graph. It is responsible for comparing the performance of one measure with other measures.



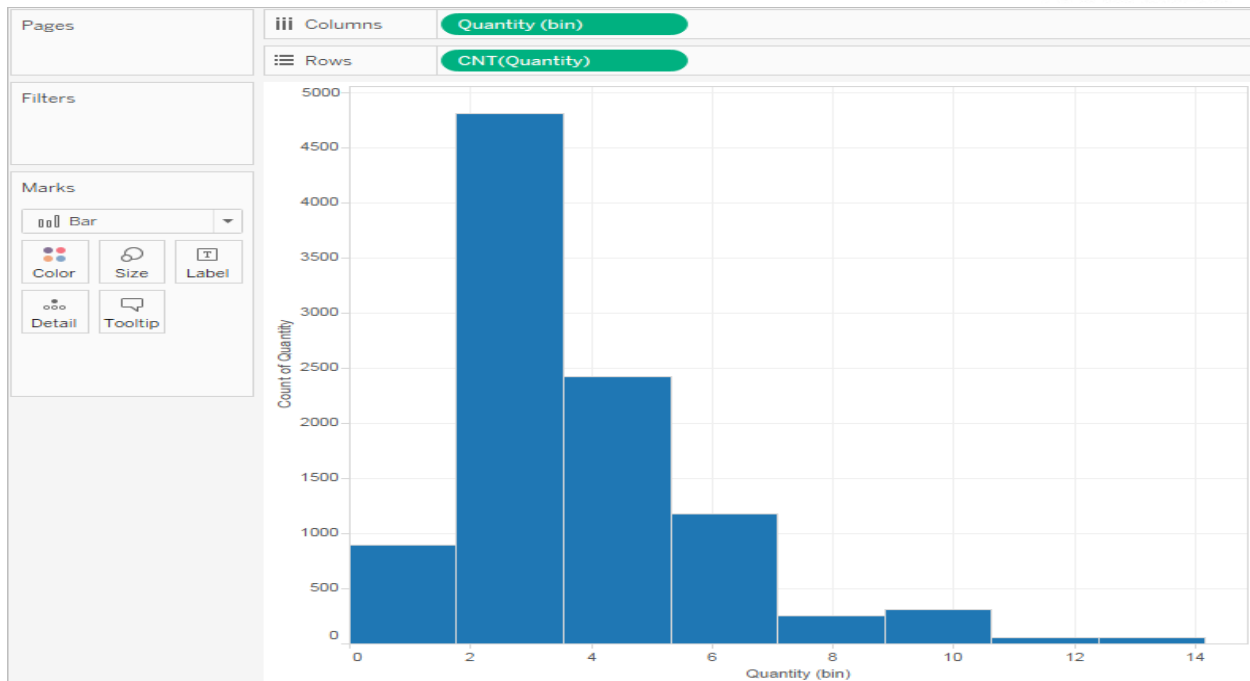
5. Define Gantt chart?

Gantt Chart displays the progress of value over the period. It consists of bars along with the time axis. It is a project management tool. Here, each bar is a measure of a task in the project framework.



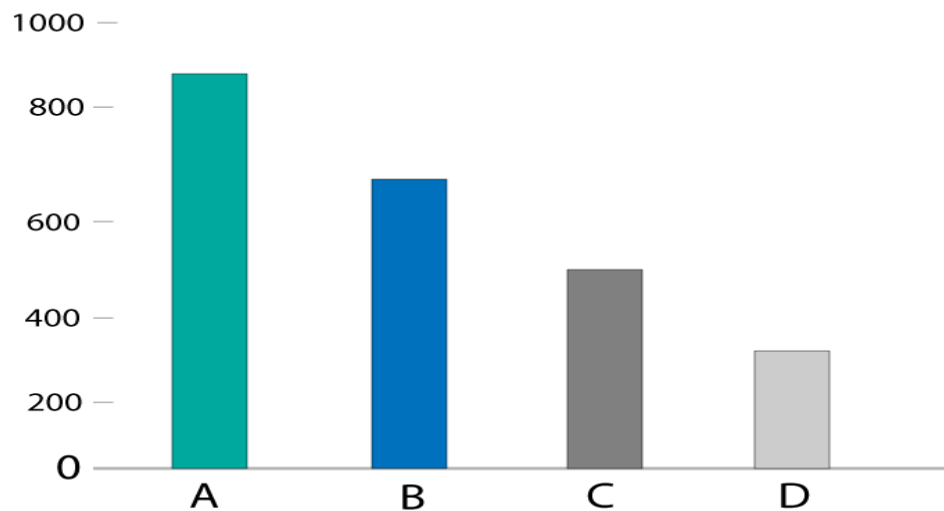
6. Define a Histogram chart?

A histogram chart shows the distribution of continuous information over a certain period of time. This chart helps us to find extreme points, gaps, unusual values, and more concentrated values.



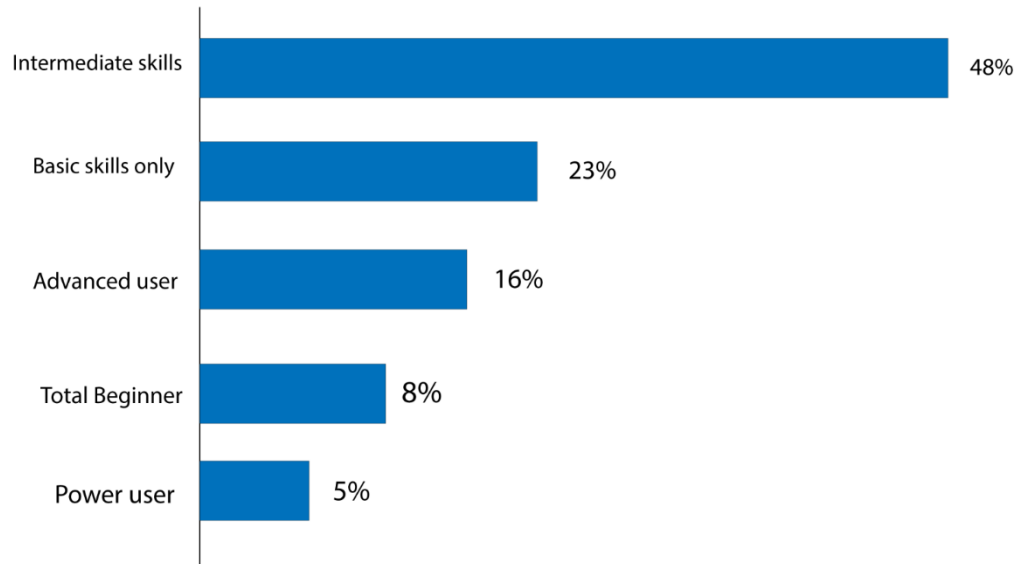
7. What is a Column chart?

A column chart visualizes the data as a set of rectangle columns, as their lengths are proportional to values when they represent the data. The horizontal axis shows the category to which they belong, and the vertical axis shows the values.



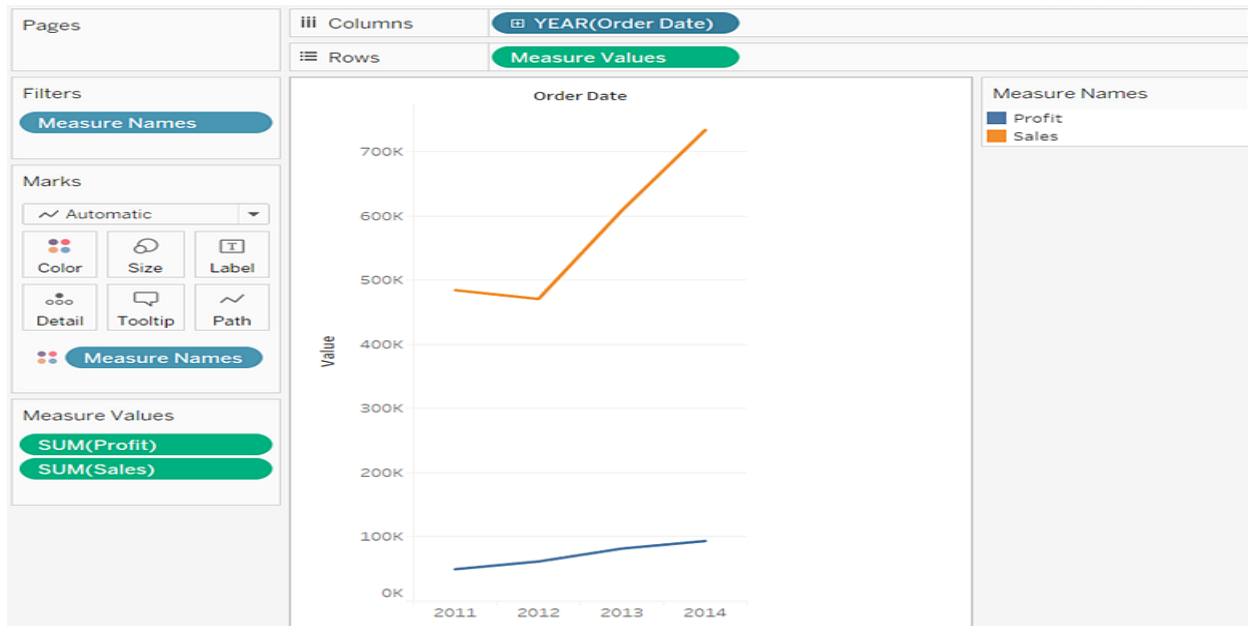
8. What is the Bar Chart in Tableau?

The bar chart visualizes the data as a set of rectangle bars, as their values are proportional to lengths when they represent the data. The vertical axis shows the category to which they belong to and the horizontal axis shows the values. So, the bar chart is a vertical version of the Column



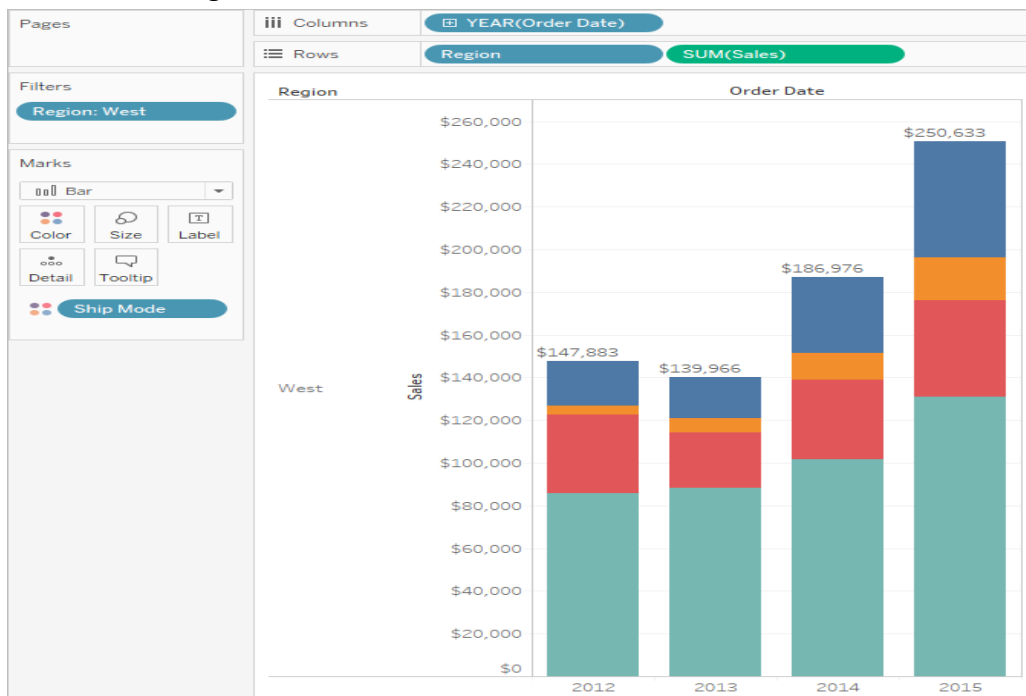
9. What is the Line Chart?

The line chart is a popular type of diagrammatic way for visualizing the data, it connects the individual data points to view the data. We can easily visualize the series of values, we can see trends over time or predict future values. The horizontal axis holds the category to which it belongs and the vertical axis holds the values.



10. What is a Stacked Bar chart?

Stacked Bar Chart, composed of multiple bars stacked horizontally, one below the other. The length of the bar depends on the value in the data point. A stacked bar chart makes the work easier, they will help us to know the changes in all variables presented, side by side. We can watch the changes in their total and forecast future values.

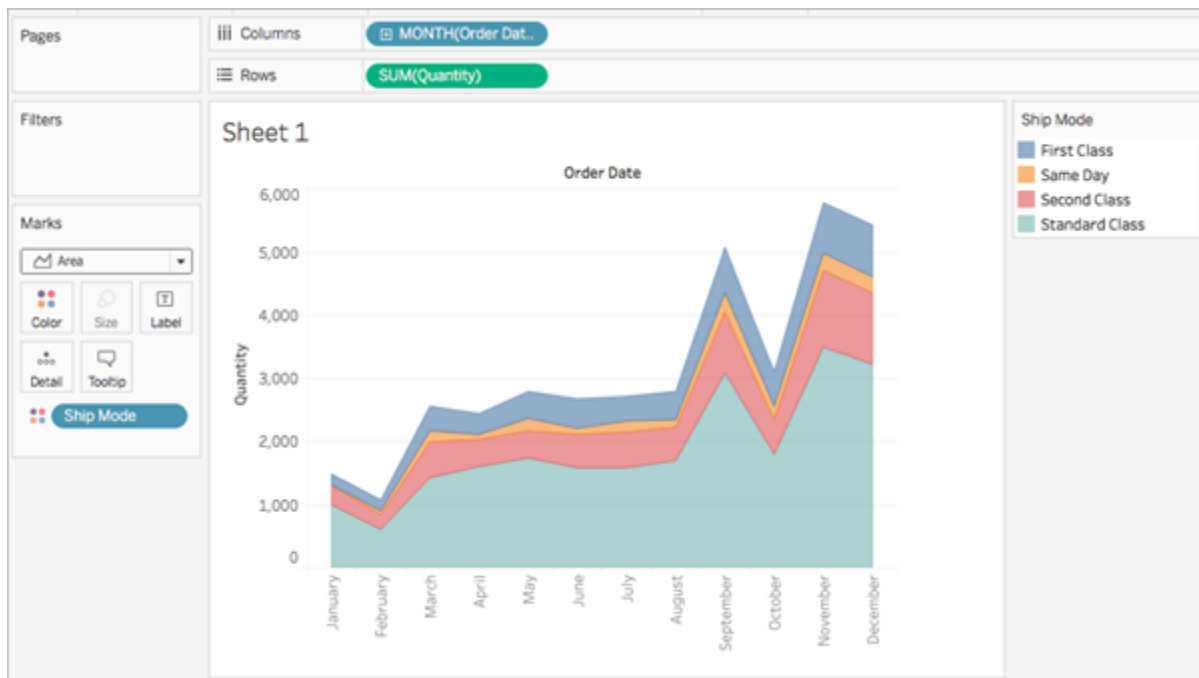


11. What is a Stacked Column Chart?

Stacked Column Chart, composed of multiple bars stacked vertically, one on another. The length of the bar depends on the value in the data point. A stacked column chart is the best one to know the changes in all variables. This type of chart should be checked when the number of series is higher than two.

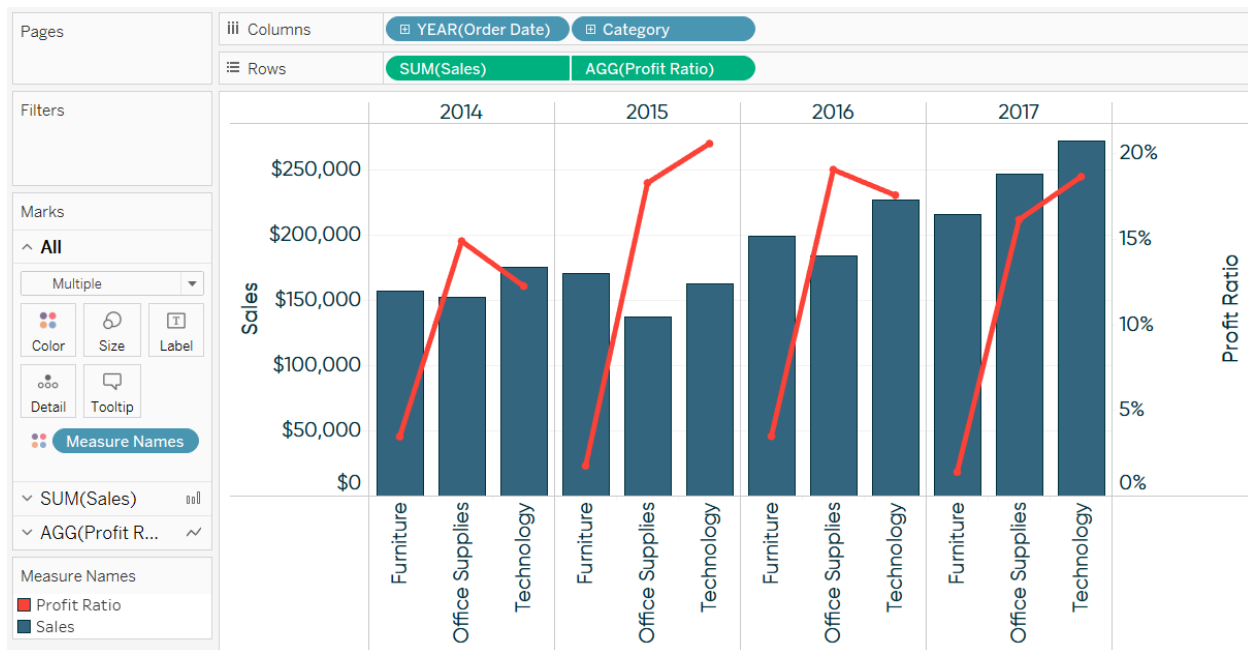
38. What is an Area Chart?

An area chart is nothing but line chart, the area between the x-axis and lines will be color or patterns. These charts are typically used to represent accumulated totals over time and are the conventional way to display stacked lines.



12. Define Dual-axis?

Dual-axis is used to show 2 measures in a single graph. It allows you to compare 2 measures at once. Many websites like indeed use this Dual-axis to show the comparisons and growth rate.



13. Define blended axis?

Multiple measures can share in a single axis so that all the marks will be shown in a single pane. We can blend measures by dragging the 1st measure on one axis and the 2nd on the existing axis.