1. Explain in detail the area graphs and line graphs in Tableau and how to create them with examples. (With the help of an example create one in Tableau)

Answer. :

Area graphs and line graphs are two commonly used visualization types in Tableau for displaying data trends over time or across categories. While both types are similar in terms of representing data with continuous values, they differ in the way they visually represent the data points.

Area Graphs:

Area graphs are ideal for showcasing the cumulative values of a metric over time or across categories. In an area graph, the data points are connected by lines, and the area between the lines and the x-axis is filled to represent the magnitude of the values. This visualization type helps in highlighting the overall trend as well as the distribution of values.

Line Graphs:

Line graphs are suitable for displaying the trend of a metric over time or across categories. In a line graph, data points are connected by straight lines, and the focus is primarily on the lines themselves rather than the area underneath. Line graphs are effective in emphasizing individual data points and the changes in values.