

Matplotlib:

Matplotlib is a low level graph plotting library in python that serves as a visualization utility.

Matplotlib was created by John D. Hunter.

Matplotlib is open source and we can use it freely.

Matplotlib is mostly written in python, a few segments are written in C, Objective-C and Javascript for Platform compatibility.

Check the version:

```
print(matplotlib.__version__)
```

These are the frequently used visualizations:

Scatter Plot:

The scatter() function plots one dot for each observation. It needs two arrays of the same length, one for the values of the x-axis, and one for values on the y-axis

Line Chart:

A line chart displays the evolution of one or several numeric variables. It is often used to represent time series. The line chart is one of the most common chart type.

Bar Graph:

The bar() function takes arguments that describes the layout of the bars.

The categories and their values are represented by the first and second argument as arrays

Pie Chart:

A Pie Chart is a circular statistical plot that can display only one series of data. The area of the chart is the total percentage of the given data. The area of slices of the pie represents the percentage of the parts of the data. The slices of pie are called wedges.

Box Plot:

A Box plot is a way to visualize the distribution of the data by using a box and some vertical lines. It is known as the whisker plot.

Histogram:

A histogram is a graph showing frequency distributions.

It is a graph showing the number of observations within each given interval.