**PLOTLY (GRAPHIC LIBRARY)**

**PLOTLY**

* Plotly is a versatile data visualization library developed by the Canadian company Plotly.
* It supports various languages, including Python, JavaScript, and Julia.
* Built on the plotly.js JavaScript library, Plotly empowers Python users to create captivating, interactive visualizations for Jupyter notebooks, standalone HTML files, or as components in web applications developed using Dash.

**ADVANTAGES**

**Multi-language Support:**

Plotly is accessible across different programming languages.

**Diverse Graphs:**

Offers a wide variety of graph types for comprehensive data representation.

**Interactive Plots:**

Enables the creation of interactive and engaging plots.

**Aesthetic Appeal:**

Generates visually appealing plots.

**NOTE**

**Not Ideal for Live Data Streams:**

Plotly is not designed for handling live data streams.

For real-time data, Dash, another product from Plotly, is recommended.

**THE PLOTLY ROADMAP**

**Plotly Go:**

A part of the Plotly ecosystem, Plotly Go likely signifies a user-friendly interface or functionality.

**Plotly Express:**

An expressive layer for creating visualizations quickly and easily.

**Dash:**

A framework for building analytical web applications, extending the capabilities of Plotly for interactive data-driven applications.

**INSTALLATION**

Plotly can be installed using pip:

**$ pip install plotly==5.18.0**

**IMPORTING THE PLOTY LIBRARY**

To use Plotly in your Python code, import the Plotly Express module as follows:

**import** plotly.express **as** px