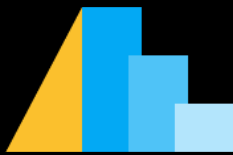
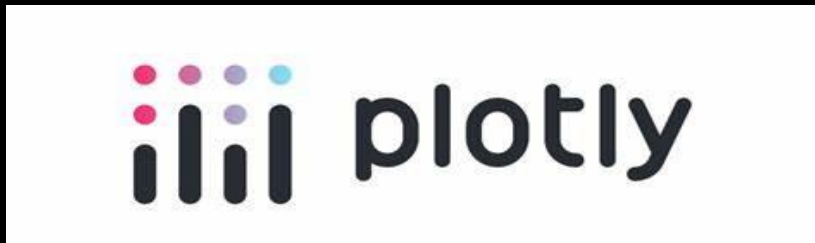


6 Popular visualization libraries for data analysis in Python



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1. Matplotlib

Matplotlib: A 2D Plotting library that produces publication-quality figures in a variety of hardcopy formats and interactive environments.

- Foundational library for many others.
- Creates a wide range of static, animated, and interactive visualizations.
- Highly customizable with extensive features.

2. Seaborn

Seaborn: A library based on Matplotlib that provides a high-level interface for drawing attractive and informative statistical graphics.

- Built on top of Matplotlib, offering a high-level interface for statistical data visualization.
- Excels at creating aesthetically pleasing and informative plots.
- Simplifies common tasks like plotting distributions, regressions, and relationships between variables.

3. Plotly

Plotly: A web-based data visualization library that allows to create interactive plots and dashboards.

- Specializes in interactive, web-based visualizations.
- Handles large datasets effectively.
- Creates diverse chart types including scatter plots, line charts, bar charts, histograms, 3D plots, maps, and more.

4. Bokeh

Bokeh: *Generates interactive visualizations for web browsers.*

- Combines versatile graphics with high-performance interactivity.
- Handles large, dynamic datasets well.



5. Altair

Altair: A declarative statistical visualization library for Python.

- Based on Vega-Lite, a declarative visualization.
- Creates interactive visualizations using a concise and intuitive syntax.
- Emphasis on clarity and expressiveness.

6. Vizzu

Vizzu : Used for animated data stories and visualizations

- Designed with animation in focus.
- Works with Pandas data frame, while also JSON and inline data input is available.