**Cheat Sheet : Plot Libraries**

| **Library** | **Main Purpose** | **Key Features** | **Programming Language** | **Level of Customization** | **Dashboard Capabilities** | **Types of Plots Possible** |
| --- | --- | --- | --- | --- | --- | --- |
| **Matplotlib** | General-purpose plotting | Comprehensive plot types and variety of customization options | Python | High | Requires additional components and customization | Line plots, scatter plots, bar charts, histograms, pie charts, box plots, heatmaps, etc. |
| **Pandas** | Fundamentally used for data manipulation but also has plotting functionality | Easy to plot directly on Panda data structures | Python | Medium | Can be combined with web frameworks for creating dashboards | Line plots, scatter plots, bar charts, histograms, pie charts, box plots, etc. |
| **Seaborn** | Statistical data visualization | Stylish, specialized statistical plot types | Python | Medium | Can be combined with other libraries to display plots on dashboards | Heatmaps, violin plots, scatter plots, bar plots, count plots, etc. |
| **Plotly** | Interactive data visualization | interactive web-based visualizations | Python, R, JavaScript | High | Dash framework is dedicated for building interactive dashboards | Line plots, scatter plots, bar charts, pie charts, 3D plots, choropleth maps, etc. |
| **Folium** | Geospatial data visualization | Interactive, customizable maps | Python | Medium | For incorporating maps into dashboards, it can be integrated with other frameworks/libraries | Choropleth maps, point maps, heatmaps, etc. |
| **PyWaffle** | Plotting Waffle charts | Waffle charts | Python | Low | Can be combined with other libraries to display waffle chart on dashboards | Waffle charts, square pie charts, donut charts, etc. |