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 char 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 char 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 char 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.