

## Seaborn VS Matplotlib Graphs

Seaborn and Matplotlib are both popular data visualization libraries in Python. While there is some overlap in the types of graphs they can create, Seaborn provides some additional functionality and built-in statistical features that Matplotlib does not. Here are a few types of graphs that Seaborn can create, but Matplotlib cannot:

- 1. Categorical Plots:** Seaborn provides specialized functions for plotting categorical data, such as bar plots, count plots, and categorical scatterplots. These plots make it easier to visualize and analyze categorical variables.
- 2. Violin and Box Plots:** Seaborn offers violin plots and box plots, which are useful for visualizing the distribution of a numerical variable across different categories or groups.
- 3. Joint Distribution Plots:** Seaborn provides functions like `jointplot()` and `pairplot()` that can create joint distribution plots and scatterplot matrices, respectively. These are useful for visualizing relationships between multiple variables.
- 4. Regression Plots:** Seaborn offers regression plots, including functions like `lmplot()` and `regplot()`, which can create scatterplots with fitted regression lines.

While Seaborn provides additional functionality, Matplotlib is a more versatile and customizable plotting library. It allows you to create almost any type of graph or visualization, but you may need to write more code to achieve certain functionalities that Seaborn provides out of the box.