Seaborn

Seaborn is an open source, BSD-licensed Python library providing high level API for visualizing the data using Python programming language.

To analyse a set of data using Python, we make use of Matplotlib, a widely implemented 2D plotting library. Likewise, Seaborn is a visualization library in Python. It is built on top of Matplotlib.

## Seaborn Vs Matplotlib

It is summarized that if Matplotlib “tries to make easy things easy and hard things possible”, Seaborn tries to make a well-defined set of hard things easy too.”

Seaborn helps resolve the two major problems faced by Matplotlib; the problems are −

* Default Matplotlib parameters
* Working with data frames

As Seaborn compliments and extends Matplotlib, the learning curve is quite gradual. If you know Matplotlib, you are already half way through Seaborn.

### Important Features of Seaborn

Seaborn is built on top of Python’s core visualization library Matplotlib. It is meant to serve as a complement, and not a replacement. However, Seaborn comes with some very important features. Let us see a few of them here. The features help in −

* Built in themes for styling matplotlib graphics
* Visualizing univariate and bivariate data
* Fitting in and visualizing linear regression models
* Plotting statistical time series data
* Seaborn works well with NumPy and Pandas data structures
* It comes with built in themes for styling Matplotlib graphics