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Seaborn

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Visualize Distributions With Seaborn

Seaborn is a library that uses Matplotlib underneath to plot graphs. It will be used to visualize random distributions.

Install Seaborn.

If you have Python and PIP already installed on a system, install it using this command:

```
C:\Users\Your Name>pip install seaborn
```

If you use Jupyter, install Seaborn using this command:

```
C:\Users\Your Name>!pip install seaborn
```

Distplots

Distplot stands for distribution plot, it takes as input an array and plots a curve corresponding to the distribution of points in the array.

Import Matplotlib

import the pyplot object of the Matplotlib module in your code using following code

```
import matplotlib.pyplot as plt
```

Import Seaborn

import the seaborn in your code using following code

```
import seaborn as sns
```

Plotting a Displot

Example

```
import matplotlib.pyplot as plt
import seaborn as sns

sns.distplot([0, 1, 2, 3, 4, 5])

plt.show()
```

Try it Yourself »

Plotting a Distplot Without the Histogram

Example

```
import matplotlib.pyplot as plt
import seaborn as sns

sns.distplot([0, 1, 2, 3, 4, 5], hist=False)

plt.show()
```

Try it Yourself »

Note: We will be using: `sns.distplot(arr, hist=False)` to visualize random distributions in this tutorial.

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