



# Uniform Distribution

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## Uniform Distribution

Used to describe probability where every event has equal chances of occurring.

E.g. Generation of random numbers.

It has three parameters:

**a** - lower bound - default 0 .0.

**b** - upper bound - default 1.0.

**size** - The shape of the returned array.

## Example

Create a 2x3 uniform distribution sample:

```
from numpy import random  
  
x = random.uniform(size=(2, 3))  
  
print(x)
```

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# Visualization of Uniform Distribution

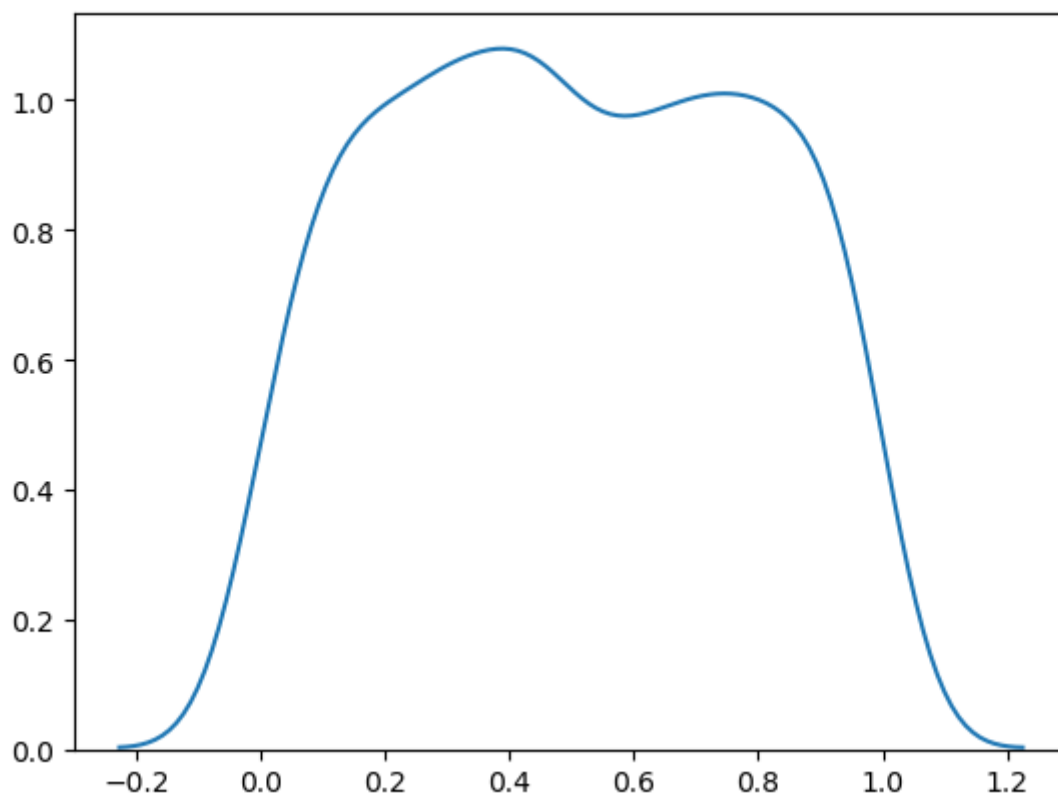
## Example

```
from numpy import random
import matplotlib.pyplot as plt
import seaborn as sns

sns.distplot(random.uniform(size=1000), hist=False)

plt.show()
```

## Result



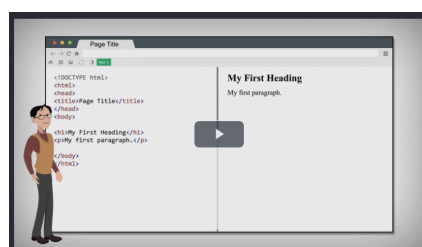
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