Uniform Distribution

‹ Previous Next ›

Uniform Distribution

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

E.g. Generation of random numbers.

It has three parameters:

`low` - lower bound - default 0 .0.

`high` - 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)
```

Visualization of Uniform Distribution

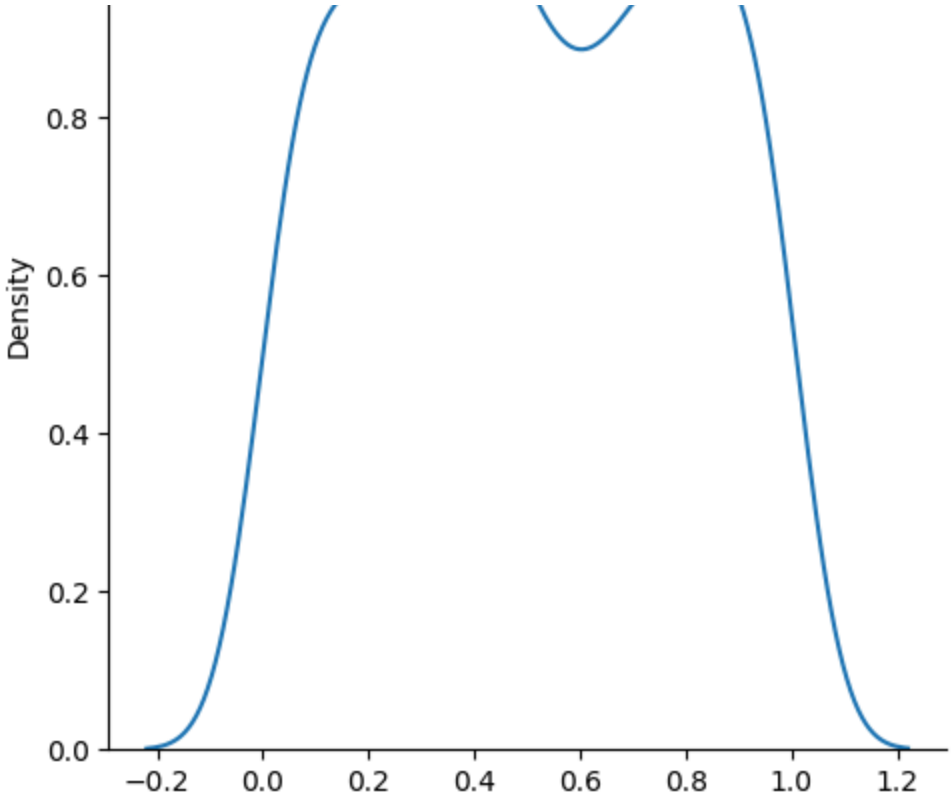
Example

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

sns.displot(random.uniform(size=1000), kind="kde")

plt.show()
```

Result



Try it Yourself »

Exercise ?

The `random.uniform()` method has three parameters, which ones?

- ○ `x y size`
- ○ `low high size`
- ○ `lower upper size`

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