

## ✓ NUMPY Random Functions

### np.random.random

```
import numpy as np
```

```
np.random.random(1)
```

```
array([0.88859806])
```

```
np.random.random((1,2))
```

```
array([[0.37382921, 0.01977374]])
```

```
np.random.random((2,2))
```

```
array([[0.36552409, 0.12890318],  
       [0.3245978 , 0.89631063]])
```

### np.random.randint

```
np.random.randint(1,10)
```

```
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```

```
np.random.randint(1,10,(1,2))
```

```
array([[4, 3]])
```

```
np.random.randint(1,10,(2,2))
```

```
array([[5, 4],  
       [9, 2]])
```

```
np.random.randint(1,10,(3,6,2))
```

```
array([[[3, 4],  
       [3, 3],  
       [8, 7],  
       [2, 1],  
       [8, 1],  
       [1, 2]],  
      [[2, 3],  
       [7, 6],  
       [8, 7],  
       [7, 5],  
       [3, 7],  
       [5, 9]],  
      [[8, 4],  
       [6, 1],  
       [9, 9],  
       [2, 3],  
       [4, 4],  
       [5, 7]]])
```

### np.random.rand

```
np.random.rand(3)
```

```
array([0.58193948, 0.04006999, 0.54694517])
```

```
np.random.rand(2,2)
```

```
array([[0.71925173, 0.63180155],  
       [0.56767676, 0.02675556]])
```

```
np.random.rand(6,2)
```

```
array([[0.57052802, 0.25451979],  
       [0.95953489, 0.95861155],  
       [0.19493799, 0.20753508],  
       [0.0380831 , 0.82784795],  
       [0.45115455, 0.6463244 ],  
       [0.51779002, 0.55709049]])
```

### **np.random.randn**


```
np.random.randn(2)
```

```
array([-0.93351561, -1.00586205])
```

```
np.random.randn(3,4)
```

```
array([[ 0.33654248,  1.36341335,  0.71237358,  0.12303086],  
       [-0.20241846, -1.16700627, -0.25907455, -0.58253446],  
       [-0.99090717, -0.7932366 ,  0.18361522, -0.02485815]])
```

```
np.random.randn(2,2)
```

```
 array([[ -0.70011292, -0.03704109],  
       [-0.18492122,  1.60988243]])
```

Start coding or [generate](#) with AI.

### **np.random.choice**

```
a = np.arange(1,10)  
np.random.choice(a)
```

```
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```

Start coding or [generate](#) with AI.