

# The `random` Module

---

Reference: <https://docs.python.org/3/library/random.html>.

```
import random # load the module to avoid `NameError: name 'random' is not defined`
```

```
random.random() #> 0.6357193086559119  
random.random() #> 0.9374153182597137  
random.random() #> 0.6894107277064547
```

```
random.randint(1, 100) #> 43  
random.randint(1, 100) #> 15  
random.randint(1, 100) #> 95
```

Once you have learned about lists, you can perform randomness-related operations on them:

```
arr = [1,2,3,4,5,6,7,8,9]
```

```
random.shuffle(arr) # FYI, this is a mutating operation  
arr #> [9, 2, 3, 8, 6, 4, 1, 7, 5]
```

```
random.choice(arr) #> 5  
random.choice(arr) #> 7  
random.choice(arr) #> 6
```

```
random.sample(arr, 5) #> [9, 5, 3, 8, 6]
```