

How to randomly generate numbers?

In Excel

- Random decimal between 0 and 1:
`=RAND()`
- Random integer number between 1 and 100:
`=RANDBETWEEN(1;100)`
- Random decimal between 10 and 50:
`=RAND()*(50-10)+10`

In Python

```
import numpy as np
```

```
import random
```

`np.random.seed(42)` # The number 42 is an arbitrary value chosen by the user and is referred to as the seed. Using a fixed seed ensures that the same sequence of random numbers is generated each time, which is useful for reproducing computational experiments. Whenever the seed is changed, a different sequence of random numbers is generated, allowing several instances of the same problem to be obtained.

- Random decimal between 0 and 1:
`=np.random.random()`
- Random integer number between 1 and 100:
`=np.random.randint(1, 100)`
- Random decimal between 10 and 50:
`=np.random.uniform(10, 50)`