

24 April 2024

Python random module.

`random.random()` — generates a random number between 0 and 1

`random.randrange(n)` — generates a random integer from $\{0, 1, 2, \dots, n-1\}$

Simulating a coin flip

Let p be the probability of heads;
 $1-p$ the probability of tails.

$r = \text{random.random}()$



r is $0 \leq r < p$
with probability p

HEADS
(True)

r is $p \leq r < 1$
with probability $1-p$

TAILS
(False)