

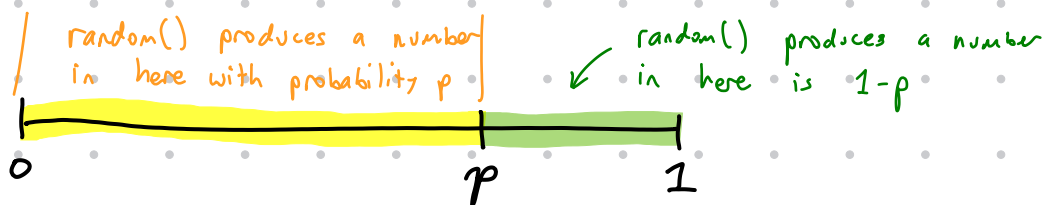
Random decimal number between 0 and 1:

Sage: `random()` } equally likely to be anywhere in this interval } UNIFORM DISTRIBUTION



Simulate coin flip that lands heads with probability p .

$$0 \leq p \leq 1$$



length: $\frac{p}{1}$

SIMULATION: The Birthday Problem