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Mr. Aguirre
Mata 1342-13

* probability: probability is the measure of the likelihood of a random phenomenon or chance behavior occurring.

Coin Flips:

1. $\{H, T\}$

2. $\{HH, HT, TH, TT\}$

3. $\{HHH, HHT, HTH, THH, TTT, THT, TTH, HTT\}$

Sample space $\{1, 2, 3, 4, 5, 6\}$

~~2, 3~~
individual outcome.

$$E = \{2, 4, 6\}$$

execute experiment

$$E = 2$$

$$E = 4$$

$$E = 6$$

<u>EX:</u>	<u>Color</u>	<u>Probability</u>
	Brown	0.13
	Yellow	0.14
	Red	0.13
	Blue	0.24
	Orange	0.20
	Green	0.16

* Empirical method → see the attached file
* Classical method → in Black board.

EX: $E = \text{Heads}$

H, T, T

$$P(E) = \frac{1}{3} = 0.33$$

$$= 33\%$$