

Probability: Probability is the measure of how likely a certain event or outcome is to occur. It is expressed as a numerical value between 0 and 1, where the higher the number, the more likely it is for the event to occur. For example, if a coin is flipped, there is an equal chance that it will land on heads or tails, and thus the probability of either event occurring is 0.5 (or 50%).

Statistics: is usually defined as the study of statistics.

$$P(\text{Heads}) + P(\text{Tails}) = 1$$

$$P(A) = 1 - P(\bar{A})$$

And with the example of the coin, if it was thrown once and it was thrown into it, it carries two possibilities, either the appearance of the Head or the Tail

The number of possibilities is 2.

Thus, if the coin is thrown three times, this means that the number of possibilities will be as follows:

The number of possibilities = $2*2*2 = 8$

Summary

Probability of event = P

Probability of opposite event = $1 - P$

Probability of composite event = $P*P*P...*P$