

## **Binomial Distribution:**

The binomial distribution is the discrete probability distribution that gives only two possible results in an experiment, either Success or Failure.

## **Binomial Distribution Formula:**

$$P = \frac{n!}{(n-k)! * k!} * p^k (1 - p)^{n-k}$$

n: total number of experiments.

k: number we want.

p: probability of number we want.

# Summary

The binomial distribution is a discrete probability distribution representing probabilities of a Binomial random variable.