

## Learning Objectives

- Define terms random variable and probability distribution.
- Distinguish between discrete and continuous probability distributions.
- Calculate the mean, variance, and standard deviation of a discrete probability distribution.
- Describe the characteristics of binomial distribution and compute probabilities using binomial distribution.
- Describe the characteristics of hypergeometric distribution and compute probabilities using hypergeometric distribution.
- Describe the characteristic of Poisson distribution and compute probability using Poisson distribution.











