

Binomial Distributions

3-67. Sketch the probability mass function of a binomial distribution with $n = 10$ and $p = 0.01$ and comment on the shape of the distribution.

- (a) What value of X is most likely?
- (b) What value of X is least likely?

3-68. Determine the cumulative distribution function of a binomial random variable with $n = 3$ and $p = 1/2$.

3-69. Determine the cumulative distribution function of a binomial random variable with $n = 3$ and $p = 1/4$.