3/8/2021 Math 32

Math 32

Parameters

Probability Mass Function Cumulative Probability

PMF Exercise

Cumulative Exercise

Submission

Start Over

Binomial Distribution

The binomial distribution is a discrete probability distribution where we can compute the probability of observing k successes, each with probability p, among n trials with the probability mass function

$$P(X=k)=inom{n}{k}p^k(1-p)^{n-k}$$

Parameters

In this LearnR app, we will practice making graphs of the PMF (probability mass function) and cumulative probabilities for a binomial distribution.

Setting

In constructing a music playlist in YouTube, suppose that 63 percent of the songs had official music videos (and fan-made videos otherwise). Let us create a playlist of 10 songs. Fill in the parameters for $X \sim Bin(n,p)$ below.

Next Topic