

MITx: 14.310x Data Analysis for Social Scientists

Heli

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▼ Module 1: The Basics of R and Introduction to the Course

Welcome to the Course

Introduction to R

Introductory Lecture

Finger Exercises due Oct 03, 2016 at 05:00 IST

Module 1: Homework

Homework due Sep 26, 2016 at 05:00 IST

- Entrance Survey
- Module 2:

 Fundamentals of
 Probability, Random

 Variables, Distributions, and Joint Distributions
- Exit Survey

Module 2: Fundamentals of Probability, Random Variables, Distributions, and Joint Distributions > Random Variables, Distributions, and Joint Distributions > The Hypergeometric Distribution - Quiz

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Question 1

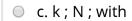
(1/1 point)

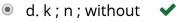
The hypergeometric distribution is characterized by the following equation:

$$f_{X}(x) = \frac{\binom{K}{X}\binom{N-k}{n-x}}{\binom{N}{n}}$$
 $\chi = \max(0, n+K-N), ..., \min(n, k)$

This distribution describes the number of "successes" (commonly denoted _____) in a sample of size _____ that is drawn from a population _____ replacement.

- a. k; n; with
- b. n; N; without





EXPLANATION

As discussed in class, a hypergeometric distribution describes the number of successes, k, out of a sample size of n drawn from a total population of size N without replacement.

You have used 2 of 2 submissions

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