

MITx: 14.310x Data Analysis for Social Scientists

Heli



- Module 1: The Basics of R and Introduction to the Course
- Entrance Survey
- Module 2:

 Fundamentals of
 Probability, Random
 Variables, Distributions,

 and Joint Distributions
- Module 3: Gathering and Collecting Data, Ethics, and Kernel Density Estimates
- Module 4: Joint,
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Estimation - Quiz

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Question 1

1/1 point (graded)

True or False: You can uniquely identify a given distribution if you know the family of distributions (ex. Normal, uniform etc.) it is from and the value of the relevant parameters for that family.

● a. True ✔	
O b. False	

Explanation

A parameter is a constant indexing a family of distributions. Indexing a family of distributions means that the parameters allow you to distinguish between the distributions in the given family. Thus, giving you the family restricts the distribution to that set and then the parameter allows you to uniquely identify a distribution in that set.

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- Module 5: Moments of a Random Variable,
 Applications to Auctions,
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- Module 6: Special
 <u>Distributions, the</u>

 <u>Sample Mean, the</u>
 <u>Central Limit Theorem,</u>
 and Estimation

<u>Human Subjects and Special</u> Distributions

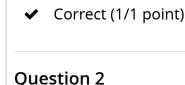
Finger Exercises due Nov 07, 2016 at 05:00 IST

The Sample Mean, Central Limit Theorem, and Estimation

Finger Exercises due Nov 07, 2016 at 05:00 IST

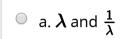
Module 6: Homework

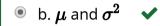
▶ Exit Survey

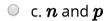


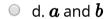
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Which of the following are the typical notations used for parameters of the normal distribution?







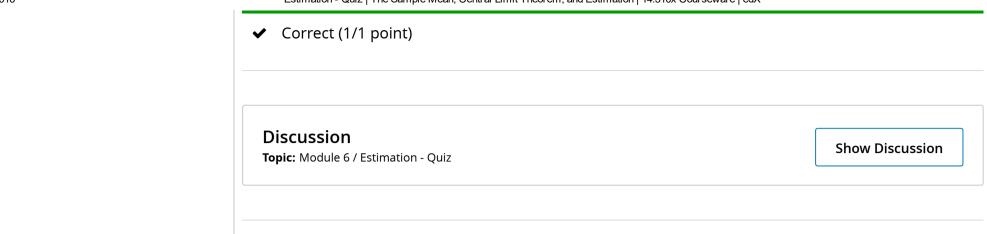


Explanation

A normal distribution can be defined by its mean (μ) and its variance (σ^2). c. is the parameters for the binomial distributions. d. is the parameters for the uniform distributions. For a., λ alone is the parameter for the exponential distributions.

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