

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,
 Marginal, and
 Conditional
 Distributions &
 Functions of Random
 Variable

Module 5: Moments of a Random Variable, Applications to Auctions, & Intro to Regression > Moments of a Distribution and Auctions > Probability Integral Transformation - Quiz

Probability Integral Transformation - Quiz

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For an additional resource on the Probability Integral Transformation, check out this explanation on Quora.

Question 1

1/1 point (graded)

The example of the probability integral transformation given in class demonstrates which of the following?

- a. The nature of the relationship between the PDF and the CDF for all types of distributions
- b. The result that if you transform a random variable by its own CDF, the resulting distribution will be uniform [0,1]
- c. That the PDF and the CDF are equivalent functions for uniformly-distributed random variables
- od. If X is a uniformly-distributed random variable, then the CDF is also uniformly distributed

 ▼ Module 5: Moments of a Random Variable, Applications to Auctions, & Intro to Regression

Moments of a Distribution and Auctions

Finger Exercises due Oct 31, 2016 at 05:00 IST

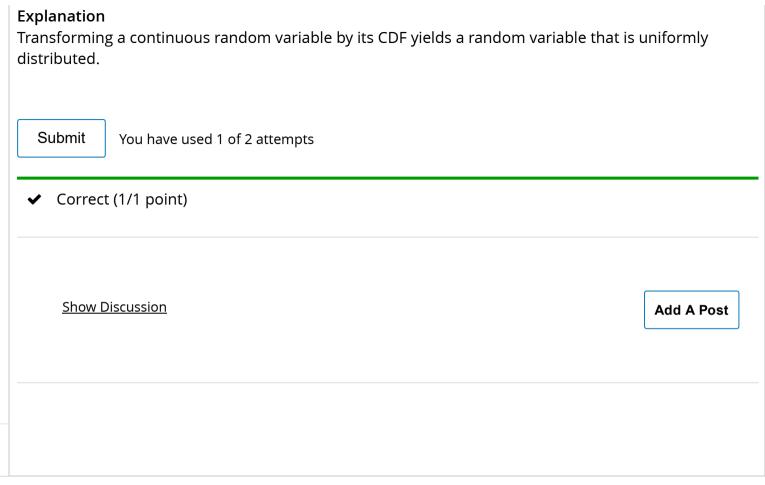
Expectation, Variance, and an Introduction to Regression

Finger Exercises due Oct 31, 2016 at 05:00 IST

Module 5: Homework

Homework due Oct 24, 2016 at 05:00 IST

▶ Exit Survey



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