Bookmarks

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

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Question 1

(1/1 point)

1. Assume that you have a random variable that is uniformly-distributed from 3 to 8. What is the probability that the random variable takes on a value less than or equal to 7? (Please put your answer to 1 decimal place. For example, if the correct answer is 0.672, please input 0.7)

0.8

✔ **Answer:** 0.80

0.8

EXPLANATION

Since this is a uniformly-distributed variable, we can use proportions to calculate the probability that the random variable takes on a value less than or equal to 7. The total range of possible values is 8-3 = 5. The range of values less than or equal to 7 is 7-3 = 4. Combining the two, the probability that the variable is less than or equal to 7 is 4/5 = 0.8 = 80%.

You have used 1 of 2 submissions