

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
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Module 5: Moments of a Random Variable, Applications to Auctions, & Intro to Regression > Expectation, Variance, and an Introduction to Regression > Covariance and Correlation - Quiz

Covariance and Correlation - Quiz

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Question 1

1 point possible (graded)

True or False: The more closely that two variables are related, the higher the covariance.

- a. True X
- b. False 🗸

Explanation

False. Covariance captures the strength of the relationship between two random variables; but it is also a function of the variances of the random variables and whether positively or negatively related.

Submit

You have used 1 of 1 attempts

Question 2

1/1 point (graded)

 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

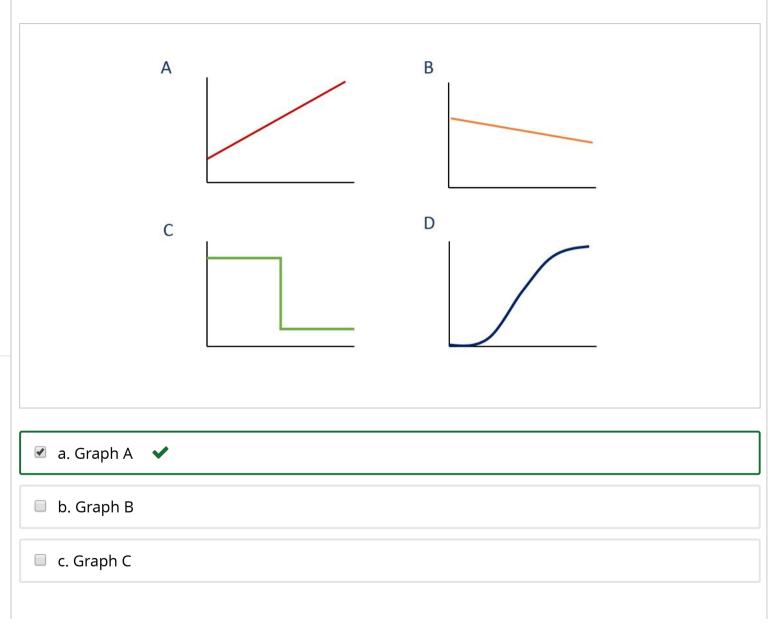
Finger Exercises due Oct 31, 2016 at 05:00 IST

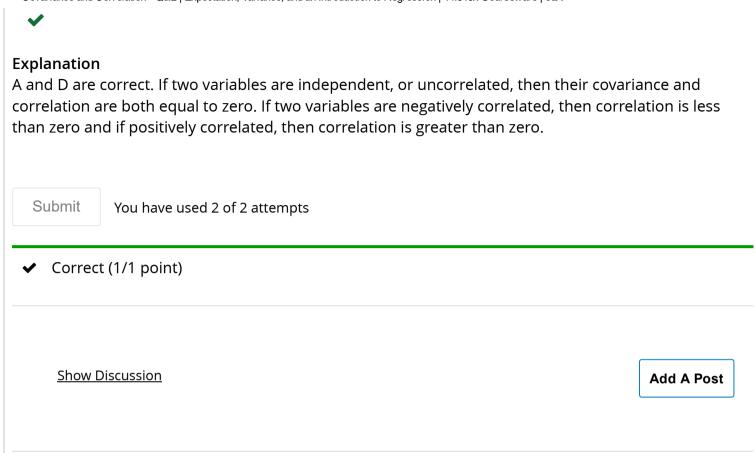
Module 5: Homework

Homework due Oct 24, 2016 at 05:00 IST

Exit Survey

Suppose X is a random variable and Y is a function of X depicted in the graphs below (where X is on the horizontal axis and Y is on the vertical). For which of the following graphs would X and Y be positively correlated? (Select all that apply)





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