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- ▶ [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 7: Assessing and Deriving Estimators - Confidence Intervals, and Hypothesis Testing > Confidence Intervals and Hypothesis Testing > Hypothesis Testing Example - Quiz

Hypothesis Testing Example - Quiz

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Question 1

1/1 point (graded)

Which of the following statements is **not** true, assuming your sample size is fixed? (Select all that apply)


- ☒ a. Increasing the critical value k , means your operating characteristic will decrease, and your significance level will increase.
- ☐ b. Increasing the critical value k , means β will increase, and α will decrease.
- ☒ c. Decreasing the critical value k means the probability of a type II error increases, while the probability of a type I error decreases.
- ☐ d. Increasing the critical value k , means the probability of a type II error increases, while the probability of a type I error decreases.




Explanation

- ▶ [Module 5: Moments of a Random Variable, Applications to Auctions, & Intro to Regression](#)
- ▶ [Module 6: Special Distributions, the Sample Mean, the Central Limit Theorem, and Estimation](#)
- ▼ [Module 7: Assessing and Deriving Estimators - Confidence Intervals, and Hypothesis Testing](#)


[Assessing and Deriving Estimators](#)

[Finger Exercises due Nov 14, 2016 at 05:00 IST](#) 

[Confidence Intervals and Hypothesis Testing](#)

[Finger Exercises due Nov 14, 2016 at 05:00 IST](#) 

[Module 7: Homework](#)

[Homework due Nov 07, 2016 at 05:00 IST](#) 

Recall the relationships Professor Ellison went through in class. Increasing k means α decreases and β increases. Similarly, decreasing k will cause these quantities to move in the opposite direction. By the definitions you went through in the previous sections, it follows immediately that A and C are incorrect.

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You have used 1 of 2 attempts

✓ Correct (1/1 point)

Discussion

Topic: Module 7 / Hypothesis Testing Example - Quiz

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