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## Hypothesis Testing Example, Continued - Quiz

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### Question 1

1/1 point (graded)

True or False: If you reduce your probability of a Type I error, it must be true that the probability of a Type II error goes down.

☐ a. True

☒ b. False ✓

### Explanation


You can reduce your probability of a Type I error by either increasing  $\alpha$ , or increasing your sample size  $n$ . The trade-off Professor Ellison discussed in class is true assuming  $n$  is fixed. However, if you increase  $n$ , you can do better on both  $\alpha$  and  $\beta$ .

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### [Assessing and Deriving Estimators](#)

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

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✓ Correct (1/1 point)

## Discussion

**Topic:** Module 7 / Hypothesis Testing Example, Continued - Quiz

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