

UTAustinX: UT.7.20x Foundations of Data Analysis - Part 2



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Readings

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Lecture Videos

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Pre-Lab

Pre-Lab due May 03, 2016 at 17:00 UTC

Lab

Week 2: Hypothesis Testing (One Group Means) > Problem Set > Question 4

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Question 4

You are studying a population of peregrine falcons and want to estimate their average wingspan. So you collect a random sample of 12 adult male birds and measure a mean wingspan of 42.6 cm, with a standard deviation of 5.3 cm.

Assume that the distribution of measurements was approximately normal.

(1/1 point)

4a. What is **t-critical** for a **90%** confidence interval? (Report as a positive value rounded to 3 decimal places.)

1.796

Answer: 1.796

1.796

You have used 1 of 1 submissions

(1/1 point)

4b. Calculate a **90% confidence interval** for the mean wingspan for the population of male peregrine falcons. (Round to 2 decimal places.)

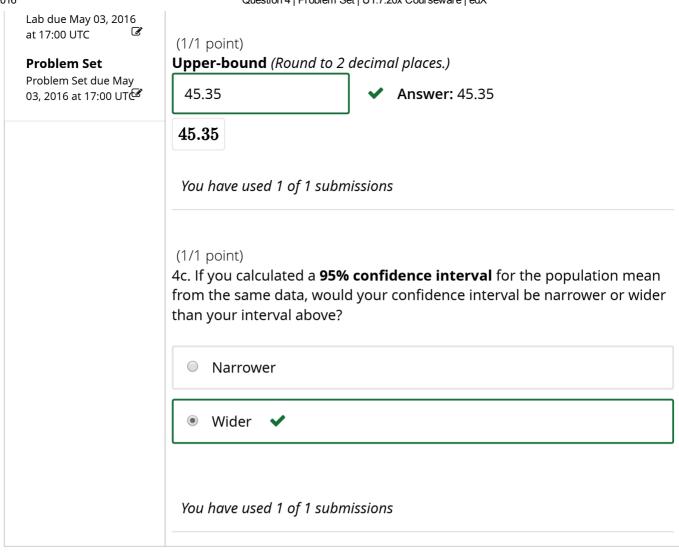
Lower-bound

39.85

Answer: 39.85

39.85

You have used 1 of 1 submissions



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