Download R and RStudio Course Info Discussion **Syllabus R Tutorials** Readings **Contact Us** Courseware Community **Progress** Office Hours

Question 1

Is the increase in time spent studying from high school to college the same for nursing majors and biology majors?

- 1. Create a new variable that equals the difference in hours spent studying per week in college versus high school for each student.
- 2. Create two vectors of those differences, one for nursing majors and one for biology majors.
- 3. Use this data to answer the following questions.

Use the "PostSurvey.csv" dataset to answer the following questions. Instructions for installing "PostSurvey.csv" can be found under the **Examine the Data** unit in this week's **Pre-Lab** section.

(1 point possible)

1a. Which of the following methods should be used to answer the question above?

1 of 5 02/27/2015 07:22 PM

Answer: 0.62 Hide Answer	You have used 0 of 1 submissions
(1 point possible	
(1 point possible 1 d. How many d	egrees of freedom are there for this test? (Round to 2 decimal places.)
Answer: 30.89	
Hide Answer	You have used 0 of 1 submissions

3 of 5 **Answer:** 0.54

Hide Answer

You have used 0 of 1 submissions

(1 point possible)

1f. Which of the following is an appropriate conclusion for this analysis (assuming α = .05)?

- We reject the null hypothesis; the increase in study time is greater for biology and nursing majors.
- We reject the null hypothesis; the increase in study time is lower for biology and nursing majors.
- We fail to reject the null hypothesis; the increase in study time is the same for biology and nursing majors.



Hide Answer

You have used 0 of 1 submissions



EdX offers interactive online classes and MOOCs from the world's best universities. Online courses from MITx, HarvardX, BerkeleyX, UTx and many other universities. Topics include biology, business, 선원하stry, computer science, economics, finance, electronics, engineering, food and nutrition, history, humanities, law,

About edX

About

News

Contact

FAQ

Follow Us



Twitter



Facebook

02/27/2015 07:22 PM



Meetup

literature, math, medicine, music, philosophy, physics, science, Question 1 | Problem Set LUT 7.01x Courseware | edX statistics and more. EdX is a non-profit online initiative created by founding partners Harvard and MIT.

© 2015 edX Inc.

EdX, Open edX, and the edX and Open edX logos are registered trademarks or trademarks of edX lnc.

Privacy Policy (Revised 10/22/2014)

edX Blog

Blog LinkedIn https://courses.edx.org/courses/UTAustinX/UT.7.01x/3T2014/courseware/ac18c...

Donate to edX

g+ Google+

Jobs at edX

5 of 5