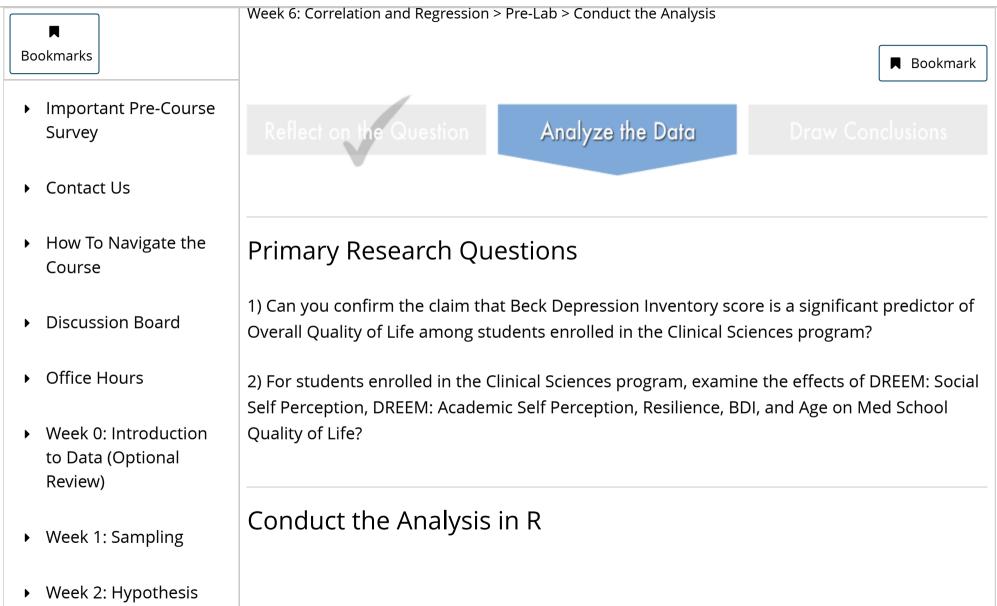


UTAustinX: UT.7.20x Foundations of Data Analysis - Part 2



Testing (One Group Means)

- Week 3: Hypothesis Testing (Two Group Means)
- Week 4: Hypothesis Testing (Categorical Data)
- Week 5: Hypothesis Testing (More Than Two Group Means)
- ▼ Week 6: Correlation and Regression

Readings

Reading Check due May 03, 2016 at 17:00 UTC

Lecture Videos

Comprehension Check due May 03, 2016 at 17:00 UTC

R Tutorial Videos

Pre-Lab

- 1. Type or copy the script from the Prepare for the Analysis section into the Script window of R.
- 2. Select the portion of the code you wish to run, then press "ctrl+ enter."
- 3. Output can be found in the Console window.

(2/2 points)

Research Question 1:

1a) What is the inital correlation coefficient between overall Quality of Life and Beck Depression Inventory? (Round to three decimal places.)

-0.375



Answer: -0.375

-0.375

1b) What is the t-value of the Simple Regression slope for Beck Depression Inventory? (Round to three decimal places.)

-8.935

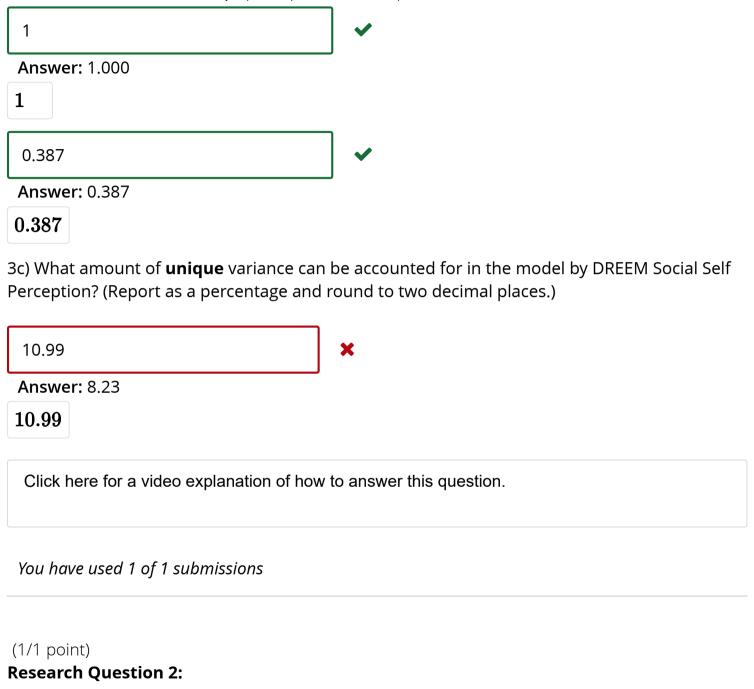


Answer: -8.935

-8.935

Pre-Lab due May 03, 2016 at Click here for a video explanation of how to answer this question. 17:00 UTC Lab Lab due May 03, 2016 at 17:00 UTC You have used 1 of 1 submissions **Problem Set** Problem Set due May 03, 2016 at 17:00 UTC (3 points possible) **Research Question 2:** 2a) What is the R-squared value for the overall model? (Report as a percentage, and round to 2 decimal places.) 14.04 **Answer:** 33.37 14.04 2b) What is the Adjusted R-squared for the overall model? (Report as a percentage, and round to 2 decimal places.) 13.86 X **Answer: 32.69** 13.86 2c) What is the F-value for the overall model? (Round to 2 decimal places.)

79.84	×
Answer: 48.59	
79.84	
Click here for a video explanation of how to answer this question.	
You have used 1 of 1 submissions	
(3/4 points) Research Question 2: 3a) The Standardized Beta for DREEM Soc	ial Self Perception is (Round to three decimal places):
0.387 Answer: 0.387 0.387	
3b) This means that as DREEM Social Self	Perception increases by standard deviation(s), e increases by(Round to three decimal places):



4) According to the results from the full Multiple Regression Model, what is the best predictor of Med School Quality of Life, among Clinical Science students?	
O BDI	
● DREEM Social Self Perception ✔	
DREEM Academinc Self Perception	
O Resilience	
Click here for a video explanation of how to answer this question.	
You have used 1 of 1 submissions	

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