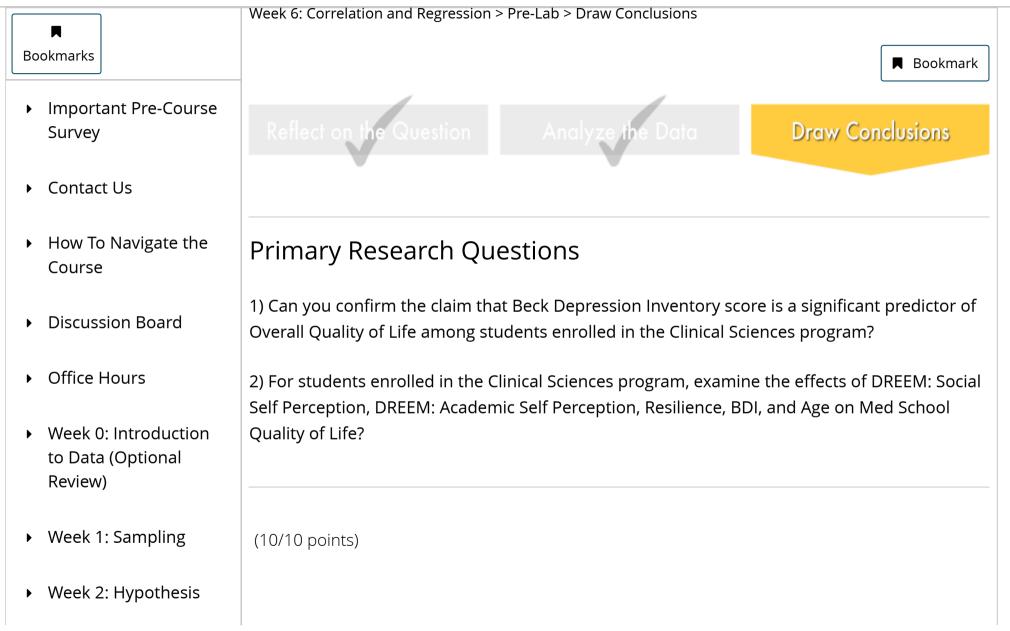


UTAustinX: UT.7.20x Foundations of Data Analysis - Part 2



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

Write Your Conclusion

Answer the question and support your answer with statistics:

To answer our primary research questions about Clinical Sciences med students, we conducted two primary tests: a simple linear regression and a multiple linear regression. First, we investigated the claimed effect of Beck Depression Inventory score on Overall Quality of Life.

There was a negative

Answer: negative correlation between Beck Depression

Inventory score and Overall Quality of Life. The corresponding model showed a

significant

Answer: significant simple slope for Beck Depression

Inventory (t(489)= $-8.935 \checkmark$ Answer: -8.935, p<0.05) indicating that as the Beck

Depression Inventory score increases, the Overall Quality of Life score decreases ▼

Answer: decreases

The multiple linear regression examined the impact of DREEM: Social Self Perception, DREEM: Academic Self Perception, Resilience, BDI, and Age on Med School Quality of Life. Overall, the model was significant

Answer: significant (F(5,485)= 48.59 V

variance in the outcome (Adjusted $R^2 = 32.69\%$ \checkmark Answer: 32.69%). The best predictor

of Med School Quality of Life was DREEM: Social Self Perception

Answer: DREEM: Social Self Perception which could account for a unique proportion of variance in the outcome of 8.23% ▼ **Answer:** 8.23% .

Click here for a video explanation of how to answer this question.

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

Lab

Lab due May 03, 2016 at 17:00 UTC

Problem Set

Problem Set due May 03, 2016 at 17:00 UTC

You have used 1 of 1 submissions

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