

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

Bookmarks

Week 6: Correlation and Regression > Problem Set > Question 1

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- Week 0: Introduction to Data (Optional Review)
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Answer the following research question using multiple regression on the Timpskey et al. dataset:

For clinical science students, after controlling for Gender and Age, what predictor has a greater impact on BDI score - State or Trait anxiety?

Use the results to answer the following questions.

(3/3 points)

After running the full model, with all predictors:

1a. What was the overall model fit (R-squared value)? Report as a percentage and round to 2 decimal places.

Testing (One Group Means)

- Week 3: Hypothesis Testing (Two Group Means)
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- ▼ Week 6: Correlation and Regression

Readings

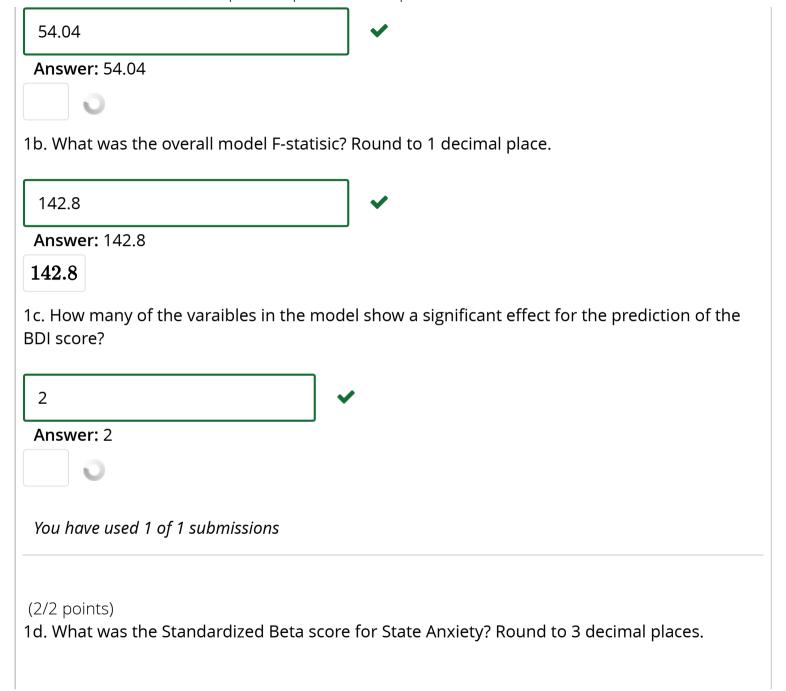
Reading Check due May 03, 2016 at 17:00 UTC

Lecture Videos

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

R Tutorial Videos

Pre-Lab



Pre-Lab due May 03, 2016 at 0.177 17:00 UTC **Answer:** 0.177 Lab Lab due May 03, 2016 at 17:00 0.177UTC **Problem Set** 1e. What was the Standardized Beta score for Trait Anxiety? Round to 3 decimal places. Problem Set due May 03, 2016 at 17:00 UTC 0.608 **Answer:** 0.608 0.608 You have used 1 of 1 submissions (2/2 points) 1f. What was the proportion of variance that State Anxiety could uniquely account for in the prediction of BDI? Report as a percentage and round to 2 decimal places. 1.70 **Answer: 1.70** 1.70 1g. What was the proportion of varaince that Trait Anxiety could uniquely account for in the prediction of BDI? Report as a percentage and round to 2 decimal places.

19.72
Answer: 19.72
19.72
You have used 1 of 1 submissions
(1/1 point) 1h. After controlling for Age and Gender, what was the best predictor of BDI?
State Anxiety
Trait Anxiety
O Both
 Neither
You have used 1 of 1 submissions

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