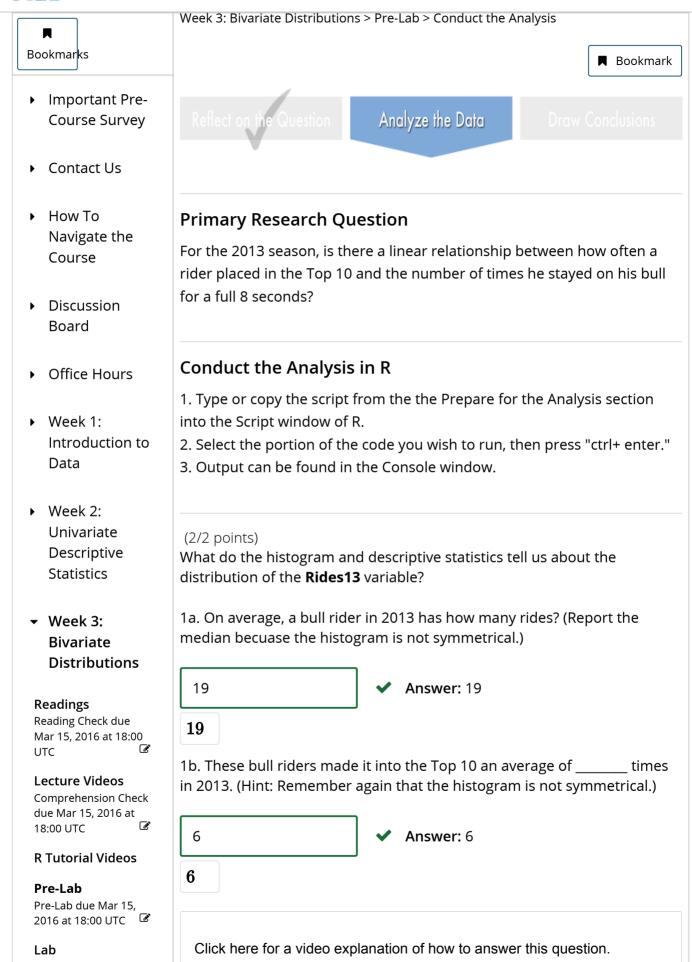


## UTAustinX: UT.7.10x Foundations of Data Analysis - Part 1



Lab due Mar 15, 2016 at 18:00 UTC

Problem Set
Problem Set due Mar

15, 2016 at 18:00 UT 🗗

- Week 4:BivariateDistributions(CategoricalData)
- Week 5: Linear Functions

You have used 1 of 1 submissions
(4/4 points) What does the scatterplot show us?
2a. The relationship looks,, and  linear
moderately strong ▼ ✓ Answer: moderately strong
positive   Answer: positive
2b. It looks like bull riders that appear frequently in the Top 10 list tend to have a number of successful rides.  higher ▼
Click here for a video explanation of how to answer this question.
You have used 1 of 1 submissions
(2/2 points) <b>3a.</b> The correlation, rounded to three decimal places, between the number of Top 10 appearances and the number of successful rides for 2013 is r =
0.917 <b>✓ Answer:</b> 0.917
<ul><li>3b. How many times does this value appear in the correlation matrix? (Report as a numeral)</li><li>✓ Answer: 2</li></ul>
2
Click here for a video explanation of how to answer this question.

You have used 1 of 1 submissions
(2/2 points) 4. On the scatterplot, we see a data point with a fairly large residual. This rider had 22 rides, but he only placed in the Top 10 two times. This rider's data point falls the line of best fit. If his data followed the line of best fit, he should have placed in the Top 10 about times.  below   Answer: below
6 ▼ <b>Answer:</b> 6
Click here for a video explanation of how to answer this question.
You have used 1 of 1 submissions
<pre>(1/1 point) Use this code to help identify this rider: #identify a specific record which (new_bull\$Top10_13==2 &amp; new_bull\$Rides13==22) 5. After looking at the data for this rider, can you explain why he has</pre>
placed in the Top 10 so few times?
He weighs more than 200 pounds, so he is too heavy.
He had only 12 rides, so he was not able to be competitive for the Top 10.
He did not participate in any events during the 2013 season.
● His ride percentage was only about 33%, which wasn't high enough to place him in the Top 10. ✓
Click here for a video explanation of how to answer this question.

## You have used 1 of 1 submissions

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