

[Courseware](#)[Course Info](#)[Discussion](#)[Syllabus](#)[Download R and RStudio](#)[R Tutorials](#)[Readings](#)[Contact Us](#)[Progress](#)[Office Hours](#)[Community](#)

Reflect on the Question

Analyze the Data

Draw Conclusions

## Primary Research Question

Do professional bull riders stay on their bulls at least 50% of the time? Test the hypothesis that the mean ride percentage is 50%.

(8 points possible)

## Write Your Conclusion

Answer the question and support your answer with statistics:

The distribution of the percentage of time a professional bull rider stays on the bull for this sample is

approximately normal, with a mean of  37.48%, and a   
standard deviation of 12.15%. We found that their mean ride percentage  is significantly different from 50%, with

$t =$   $-6.354$  ,  $p < 0.05$ . We are  95% confident that the true mean of ride percentage of professional bull riders is between  33.48% and  41.47% suggesting that professional bull riders ride the full 8 seconds less than half of the times they buck out.

[Hide Answer](#)*You have used 0 of 1 submissions*[Help](#)

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, chemistry, computer science, economics, finance, electronics, engineering, food and nutrition, history, humanities, law, literature, math, medicine, music, philosophy, physics, science, 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 Inc.

[Terms of Service and Honor Code](#)

### About edX

[About](#)[News](#)[Contact](#)[FAQ](#)[edX Blog](#)[Donate to edX](#)[Jobs at edX](#)

### Follow Us

[!\[\]\(a73c1962d20a39dd8fd6a060ae69693f\_img.jpg\) Twitter](#)[!\[\]\(f507db636256ac11a5525ef93ec6b8d7\_img.jpg\) Facebook](#)[!\[\]\(a8ff699ced33317c53c86f9bf3171905\_img.jpg\) Meetup](#)[!\[\]\(066cb4a00c9d9f40edb6f87372ec6f08\_img.jpg\) LinkedIn](#)[!\[\]\(aceb1790ece33f2eac474d4a9431c6d6\_img.jpg\) Google+](#)

