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Reflect on the Question

Analyze the Data

Draw Conclusions

Primary Research Question

The average American adult male weighs 190 pounds. Do professional bull-riders weigh the same?

(6 points possible)

Write Your Conclusion

Answer the question and support your answer with statistics:

The distribution of weight for this sample of professional bull riders is approximately Normal with a mean of 152.03 lbs and a standard deviation of 14.36 lbs. We found that their mean weight is significantly different than 190 lbs, with $t = -16.30$, p less than 0.05. We are 95% confident that the true mean of professional bull riders is between 147.31 lbs and 156.75 lbs, suggesting that professional bull riders weigh less than the average adult male.

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