Bookmark

Reflect on the Question | Analyze the Data | Draw Conclusions

Primary Research Question

How has the men's shotput world record changed over time? What about the women's world record?

(5/6 points)

Write Your Conclusion

Answer the question and support your answer with statistics:

Based on scatterplots of the men's and women's world record shotput distance, both of these events follow a strong, positive ▾
Answer: positive linear relationship over time. The men's world record distance increases by an average of 0.134 ▾ ✔ **Answer:** 0.134 meters per year, while the women's record distance increases by an average of 0.234 ▾ ✔ **Answer:** 0.234 meters per year. Because the intercept estimate is the value of the record distance when year ▾ ✔ **Answer:** year is equal to 0, it is not interpretable in the context of the problem. Both linear models fit the data well, with R-squared values for the men's and women's models equal to 0.941 ▾ ✔
Answer: 0.941 and 0.962 ▾ ✔ **Answer:** 0.962 , respectively.

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

You have used 1 of 1 submissions

Lecture Videos
Comprehension Check due Mar 15, 2016 at 18:00 UTC

R Tutorial Videos

Pre-Lab
Pre-Lab due Mar 15, 2016 at 18:00 UTC

Lab
Lab due Mar 15, 2016 at 18:00 UTC

Problem Set
Problem Set due Mar 15, 2016 at 18:00 UTC