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Readings

Reading Check due
Mar 15, 2016 at 18:00
UTC



Week 5: Linear Functions > Pre-Lab > Draw Conclusions



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,

Answer: positive linear relationship over time. The men's world record distance increases by an average of **Answer:** 0.134

meters per year, while the women's record distance increases by an average of **Answer:** 0.234 meters per year. Because the intercept estimate is the value of the record distance when


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

Answer: 0.941 and **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 

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