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Readings

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Pre-Lab

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Lab

Week 3: Bivariate Distributions > Lab > Draw Conclusions



Bookmark

Reflect on the Question

Analyze the Data

Draw Conclusions

Primary Research Question

In 2012, what variable had the strongest linear relationship with Earnings: Percentage rides or Cup points?

(7/8 points)


Write Your Conclusion

Answer the question and support your answer with statistics:


An initial examination of the relationships between Ride Percentage (RidePer) and Earnings, and Cup Points (CupPoints) and Earnings showed that Cup Points had the **Answer:** stronger relationship to Earnings. Ride Percentage and Earnings showed a correlation value of **Answer:** 0.593 while Cup Points and Earnings had a correlation value of **Answer:** 0.657 . Visual examination showed an **Answer:** outlier in both relationships—a rider who has earned over 1 million dollars. Removal of this increased the initial relationship: Ride Percentage and Earnings now had a correlation value of **Answer:** 0.804 and Cup Points and Earnings had a correlation value of **Answer:** 0.893 . **Answer:** Cup Points still had the higher relationship to Earnings. Visual examination showed a

Answer: good linear relationship for both Ride Percentage and Cup Points, indicating the correct use of the correlation coefficient.

You have used 1 of 1 submissions

Lab due Mar 15, 2016
at 18:00 UTC 

Problem Set

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

- ▶ Week 4:
Bivariate
Distributions
(Categorical
Data)
- ▶ Week 5: Linear
Functions

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