

Reproducible Research Course Project 2

Scott Roberts

April 19, 2016

Synopsis Immediately after the title, there should be a synopsis which describes and summarizes your analysis in at most 10 complete sentences.

Questions

Reflect on Question

Data Processing

Analyze the Data

Diagnostics

Across the United States, which types of events are most harmful with respect to population health?

That would mean to see INJURIES and Fatalities as it relates to the Event, A Crosstab possibly correlation between EVTYPE and the others.

```
stormData <- tbl_df(stormy) frame1 <- summarize(stormy, EVTYPE) frame1
```

Read the above files and create data tables. ##

Conclusions

An initial examination of the relationships between Ride Percentage (RidePer) and Earnings, and Cup Points (CupPoints) and Earnings showed that Cup Points had the stronger relationship to Earnings. Ride Percentage and Earnings showed a correlation value of 0.674 while Cup Points and Earnings had a correlation value ofVisual examination showed an 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 0.814 and Cup Points and Earnings had a correlation value of 0.904 - This answer is correct.

Cup Points still had the higher relationship to Earnings. Visual examination showed a good Yerkes-Dodson relationship good for both Ride Percentage and Cup Points, indicating the correct use of the correlation coefficient.