R Assignment 3 - Regression in Yet Another Sport

Our goal is practice webscraping and to perform an analysis similar to the one we performed in *Baseball runs part 1* on another sport. Can we identify a statistic that best explains scoring?

We will build on the activities for the week in this assignment. You should have already determined a sport, webscraped data for that sport, cleaned it, and stored in a dataframe. In addition, you should have created a new variable that tries to explain scoring.

For this assignment:

1. Webscrape the data you need, clean it, store it in a dataframe.

2. Report on the new variable you created that explains scoring. Give details on how it is created, and a quick commentary - is it expected? anything surprising?

3. Report on the linear model you created that uses your new variable to explain scoring. Explicitly give the formula, R^2, and standard error.

4. Determine if the statistic you created is suitable for prediction (see the *SportsRegression* file in content). Explicitly check for: Normally distributed variables, Linearity and additivity, Normally distributed residuals, Homoscedasticity, and the data is Free of Problem Points.

When your group is finished, turn in a copy of the groups R-notebook (RMD file) to the *R Assignment 3 - Regression in Yet Another Sport* assignment box in Gradescope. It is due on Friday, February 9th, at 11:59pm.