Essential Stat in Your Sport

This is a follow-up to the activity we completed on Monday.

There are two parts:

1. Determine a statistic that best explains scoring (or winning percentage) in the sport of your choosing. This statistic could be an existing statistic, or one you create yourself. Be sure to include:

   - details on the statistic

   - the model that you get from using regression, including the R-squared and standard error values.

   Write up your findings in an R-notebook and submit the R-notebook (.RMD file), and your data files to the Gradescope assignment:
   Class Activity 1_29
   This will be the class activity for Jan 29th.

2. Determine if the statistic you identified/created in part 1 is suitable for prediction (see the *SportsRegression* file in content).

   Write up your findings from the week in an R-notebook. This includes:

   - the data file (without a filename path that loads properly)

   - details of the statistic/variable you created

   - details of the model you created, such as the formula, R^2 value and standard error

   - all of the assumptions for determining if the statistic is suitable for prediction are explicitly checked and a conclusion on whether the statistic is suitable is made.

   Submit the R-notebook (.RMD file), and your data files to the Gradescope assignment:
   R Assignment 1 - Is the Stat Suitable
   This will be your first R assignment.