**Names: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Week 11 Lab: Modeling Running Backs with Multiple Regression**

Last week, in lecture, we discussed variables that might be included in a linear model of running back fantasy production. Today you’re going to try to build that model… You’re going to try to create a regression line that predicts RB performance in NFL Week 9, using only data that would have been available during NFL Week 8.

Start by downloading a table that contains a list of 50 running backs who played in the 9th week of the 2014 NFL season (in the LAB EXERCISES folder in our Oncourse site, called Week11\_LabExercises.xlsx).

You’ll probably want to split up the responsibilities here. For each variable, have one or two people in your league get the data for each of the 50 RBs.

Once you’ve made the model, provide the following:

The adjusted r2:

The intercept:

And provide a list describing each variable, its coefficient, and its p-value: