PAIA 730: Data Driven Management

Prof. Jesse Lecy

**Lab 01 – Load a Package**

Turn in via Blackboard by start of class as PDF or webpage complete file

In this lab you will install your first R package, open a dataset, and answer some questions.

First you need to install the Lahman Package:

install.packages( “Lahman” )

Now that the package is installed on your computer, you can open it in R:

library( “Lahman” )

We will be using the dataset called Master, which contains information on current and past players in MLB.

data( “Master” )

Check to see if the dataset was loaded:

ls( Master )

Now using variables in the dataset answer the following questions:

1. What is the average weight of an MLB player?
2. How many MLB players have come from the Netherlands?
3. How tall was the tallest player in MLB? The shortest?
4. What percentage of players switch hit (bat from both sides of the plate)?
5. OPTIONAL: How many players are right-handed when they throw, but left-handed when they bat?

Hint, you will need the *summary()* and the *table()* functions to answer the questions.

Submit your result as an **PDF or HTML document** on BlackBoard. You will need to “knit” your .rmd file first.