## Project

Steven Herrera and Ethan Shen 11/09/2018

```
library(tidyverse)
library(olsrr)
```

## **Exploratory Data Analysis**

## No more variables to be removed.

## Linear Regression

```
To begin our regression models, we will
testmodel <- lm(num ~ mean_w_ace + mean_w_df + mean_w_svpt + mean_w_1stIn + mean_w_1stWon + mean_w_2ndW
backward <- ols_step_backward_aic(testmodel)</pre>
## Backward Elimination Method
## Candidate Terms:
##
## 1 . mean_w_ace
## 2 . mean_w_df
## 3 . mean_w_svpt
## 4 . mean_w_1stIn
## 5 . mean_w_1stWon
## 6 . mean_w_2ndWon
## 7 . mean_w_SvGms
## 8 . mean_w_bpSaved
## 9 . mean_w_bpFaced
## 10 . mean_minutes
##
## Variables Removed:
##
## - mean_w_df
## - mean_w_bpSaved
## - mean_w_1stIn
## - mean_w_bpFaced
```

Linear Regression Assumptions

 ${\bf Hypothesis\ Tests+Confidence\ Intervals}$ 

Conclusion