

Untitled

Objective

This dataset has been downloaded from Kaggle.com. Database of European Soccer and players stats This includes +25,000 matches and +10,000 players of 11 European Countries with their lead championship for the seasons 2008 to 2016. The data includes Betting odds from up to 10 providers. Plus detailed match events (goal types, possession, corner, cross, fouls, cards etc...) for +10,000 matches. Various analysis on players and stats is being accomplished as below.

Library

```
## Loading required package: DBI

## Loading required package: gsubfn

## Loading required package: proto

## Loading required package: lattice

## Loading required package: ggplot2

##
## Attaching package: 'ggplot2'

## The following object is masked from 'package:kernlab':
##
##     alpha

##
## Attaching package: 'dplyr'

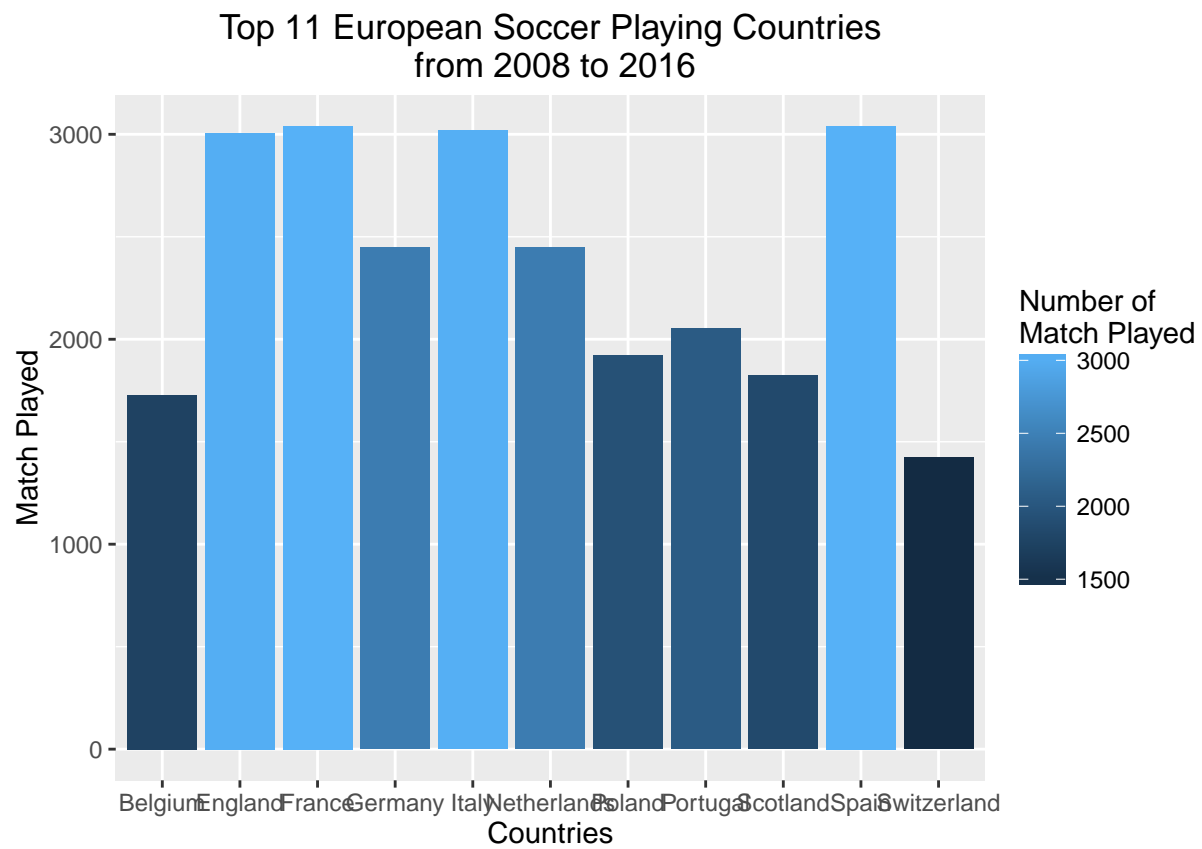
## The following objects are masked from 'package:stats':
##
##     filter, lag

## The following objects are masked from 'package:base':
##
##     intersect, setdiff, setequal, union
```

Get the Dataset

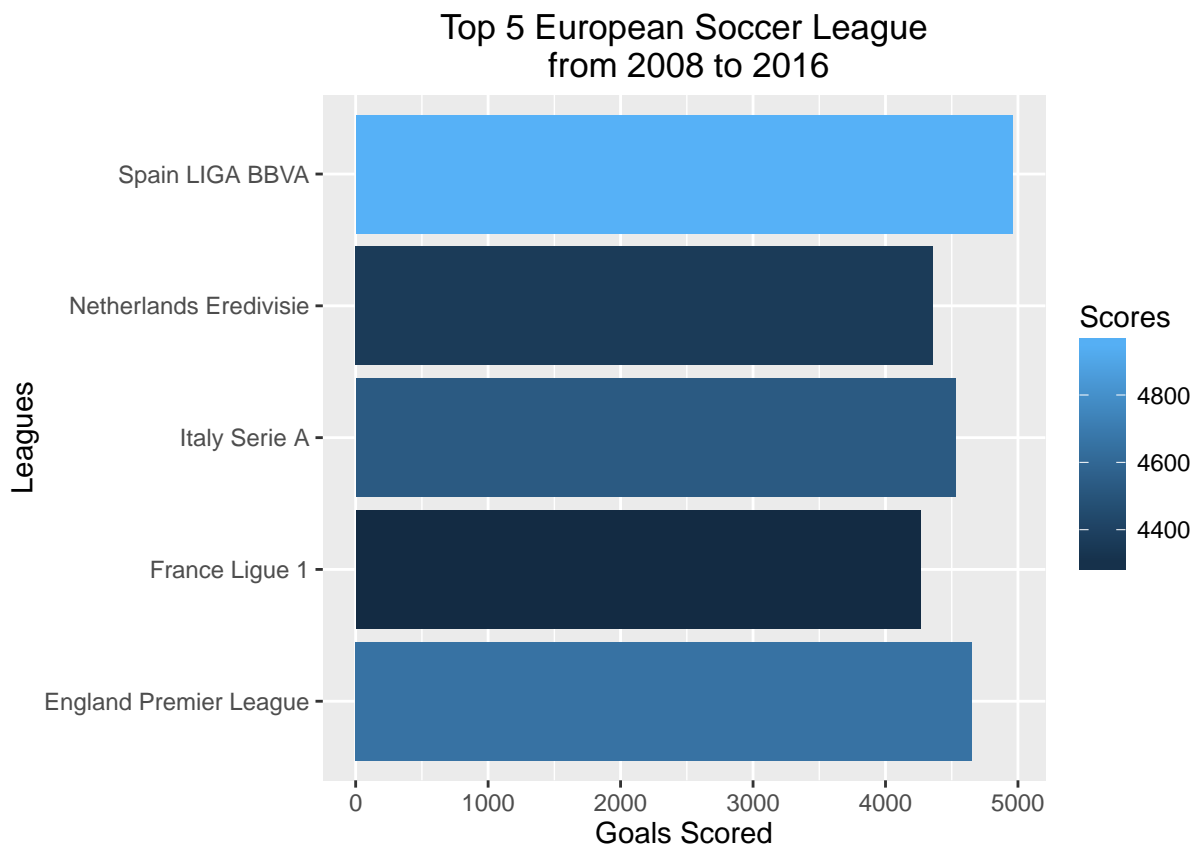
```
## [1] TRUE
```

Basic Exploratory data analysis

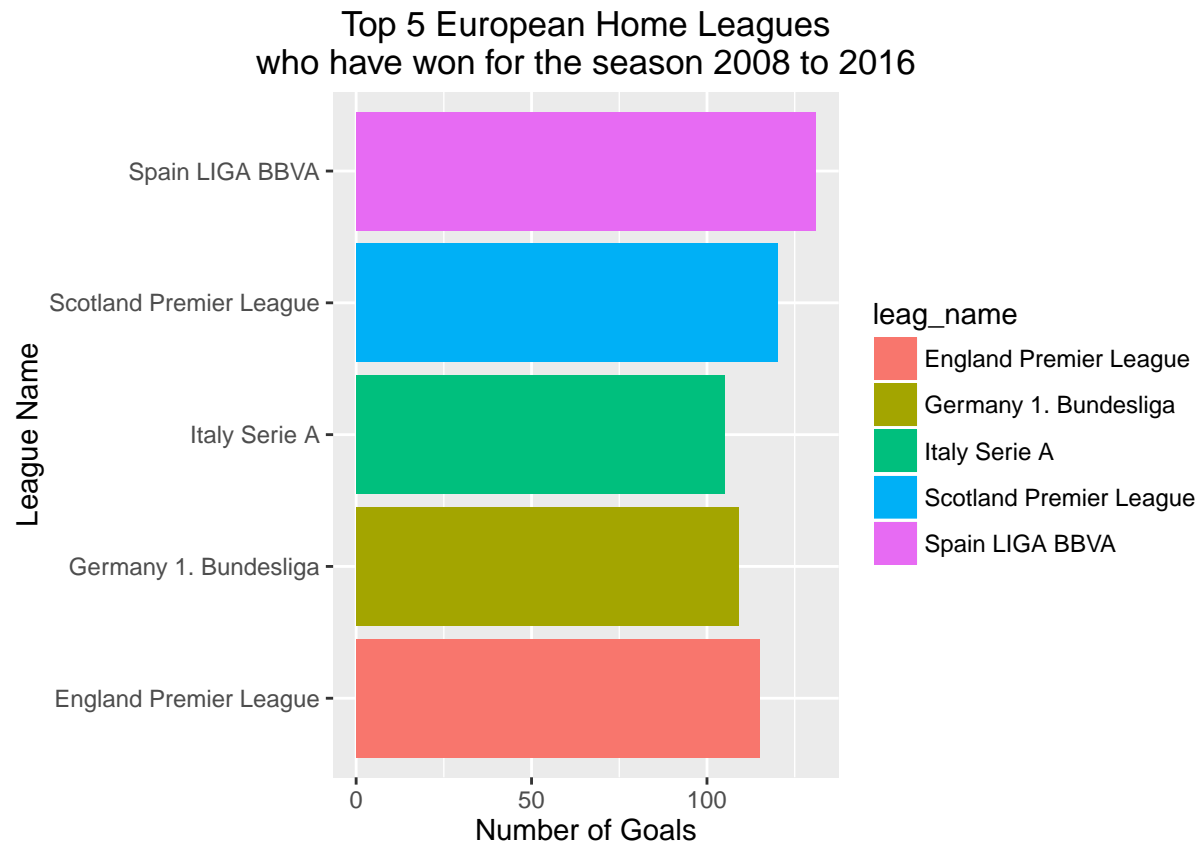


Saving 6.5 x 4.5 in image

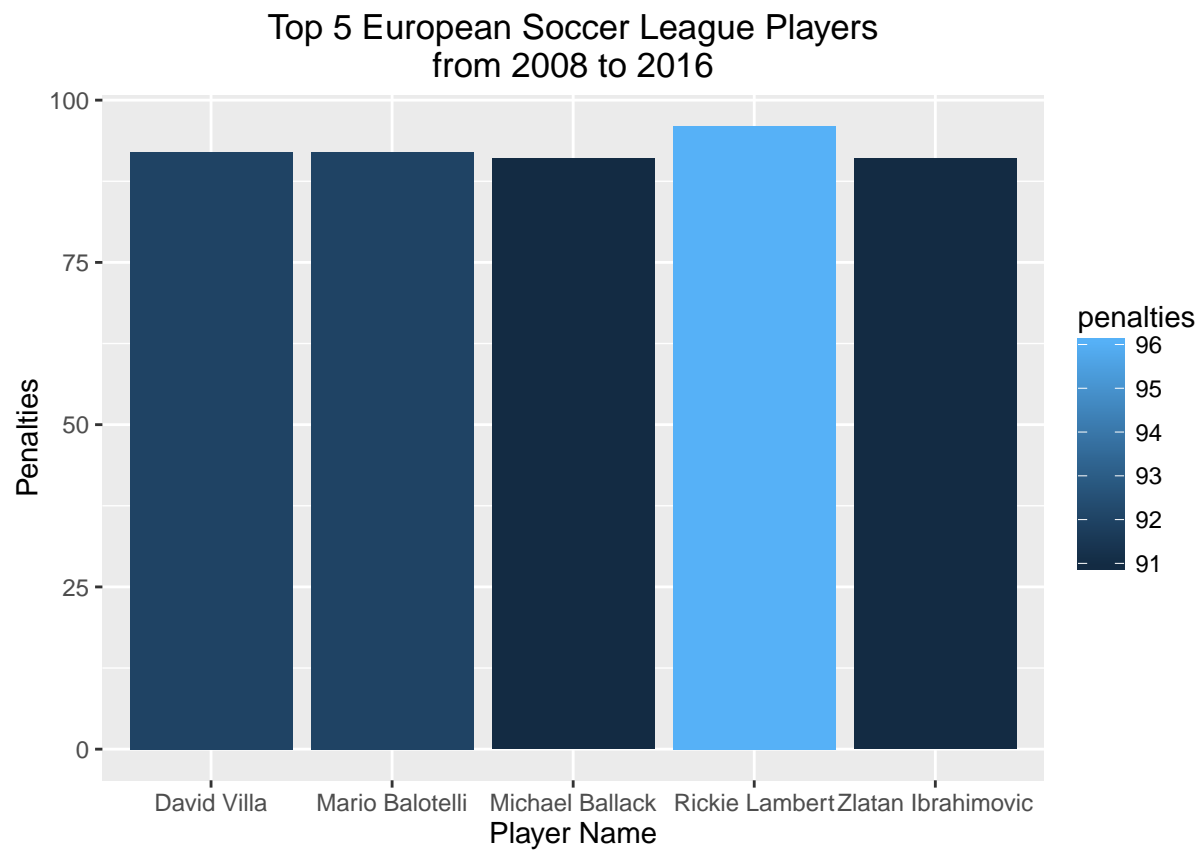
Analysis 2



Analysis 3

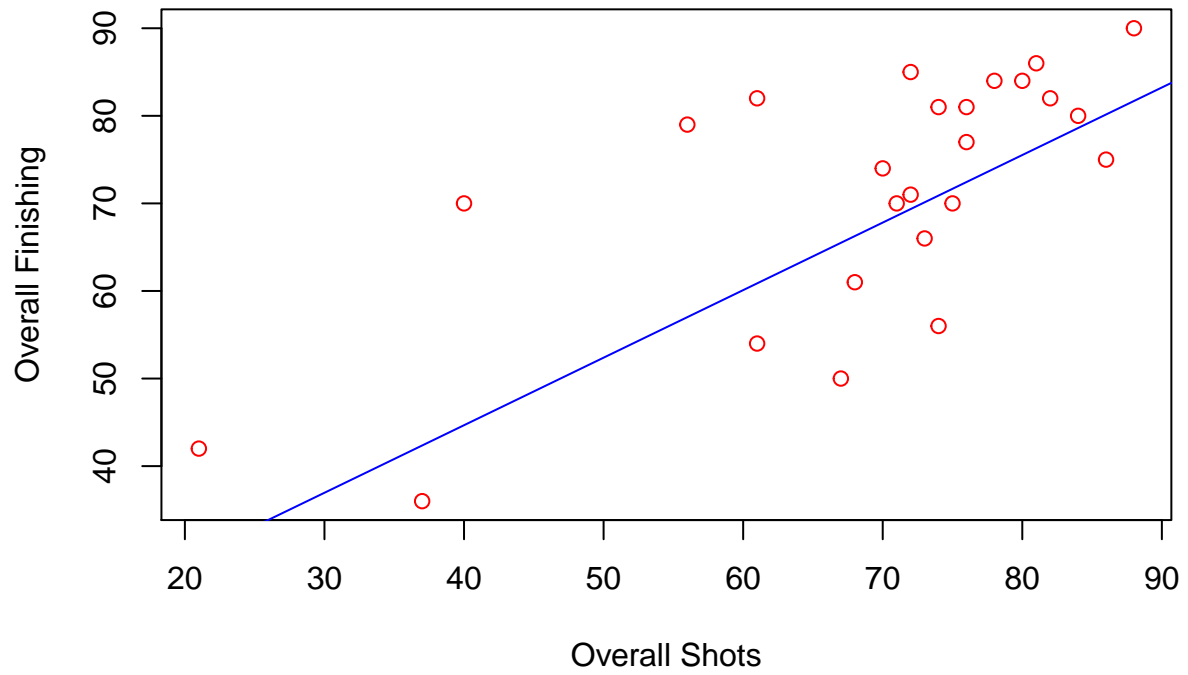


Analysis 4

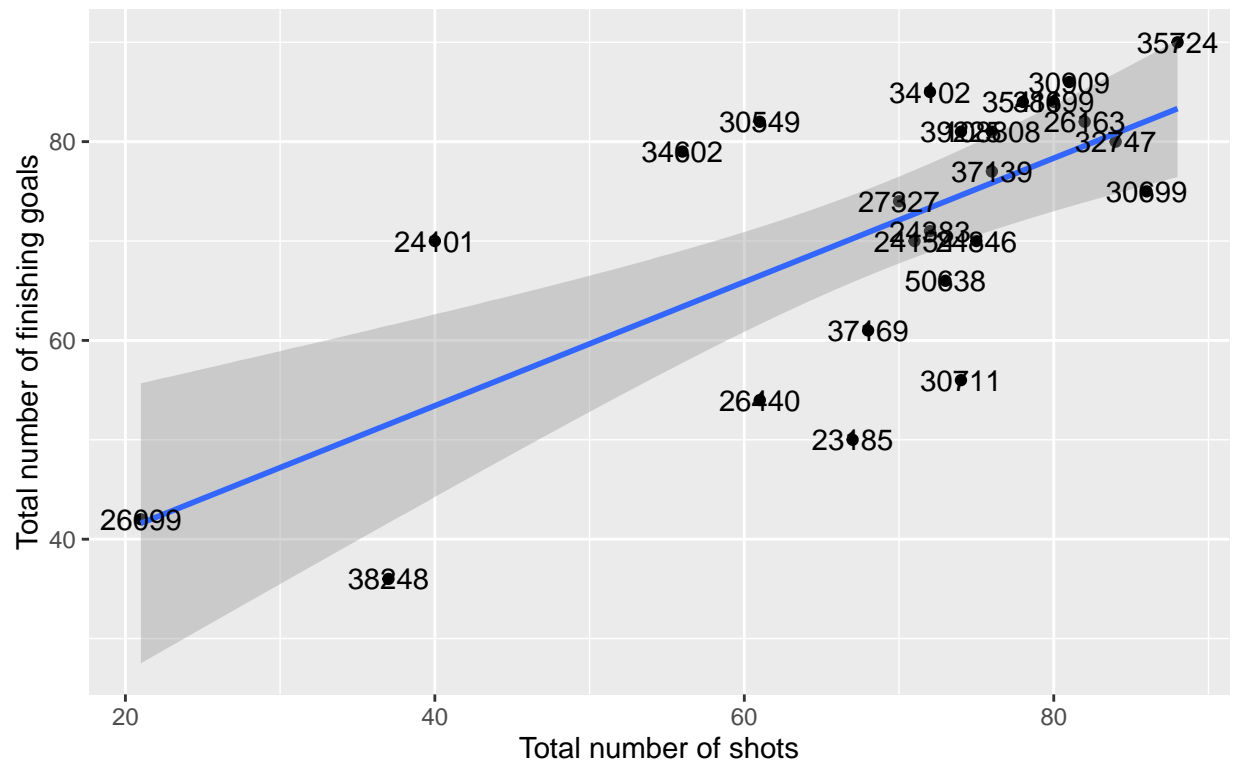


Analysis 5

Model for Scoring Goal from 2008 to 2016

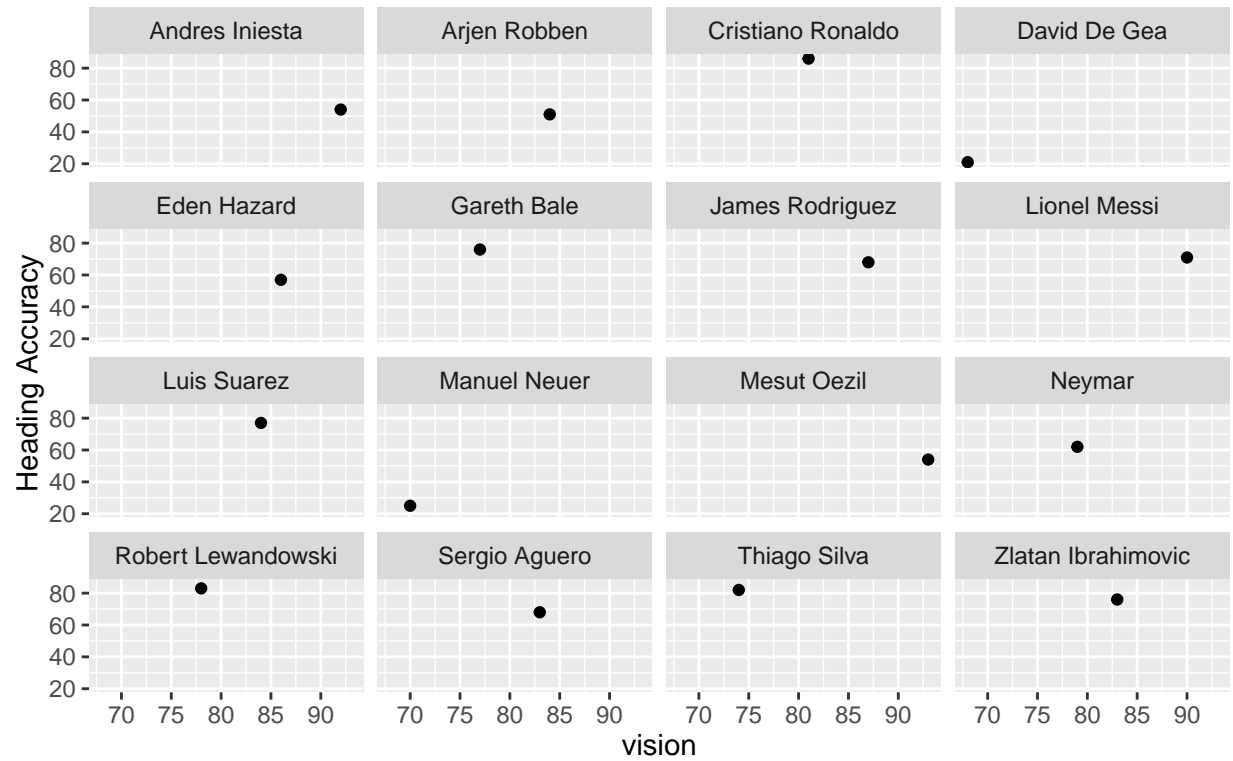


Model Showing Top 25 Players with respect
to Goals scored from 2008 to 2016



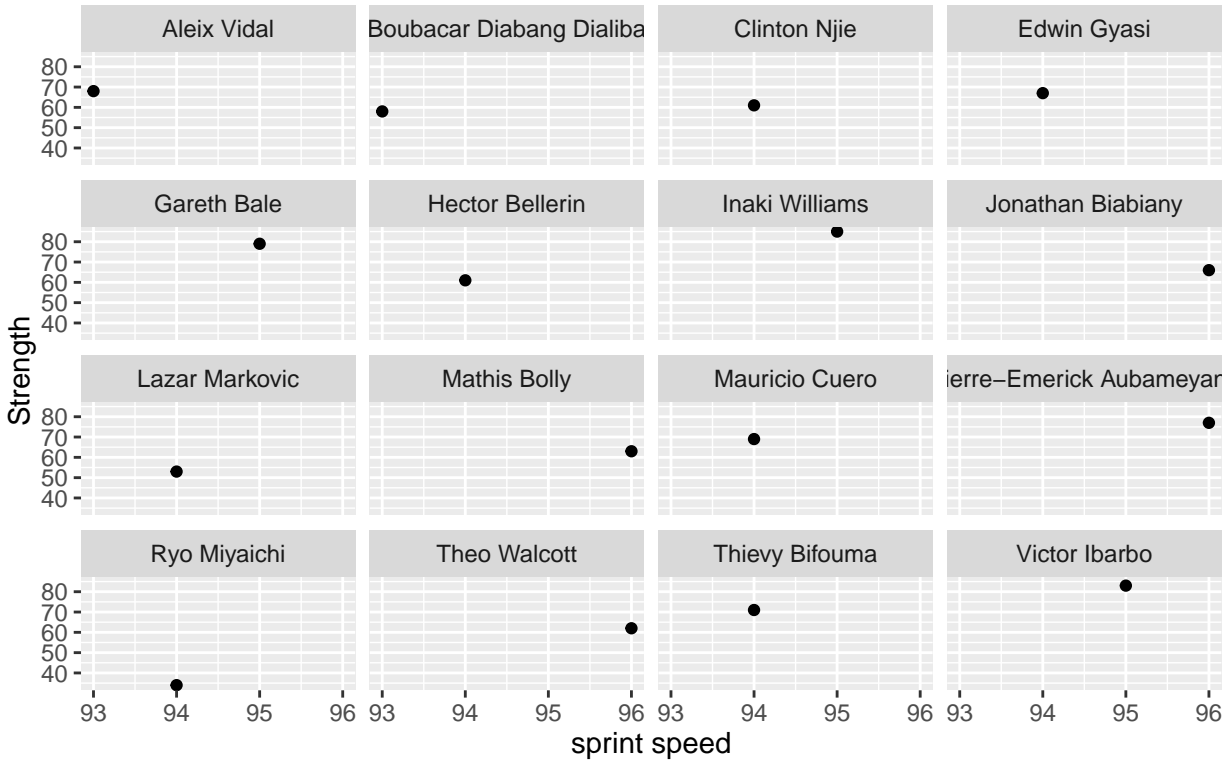
Analysis 6

A Plot of top 15 Players from 2008 to 2016
based on vision and heading accuracy



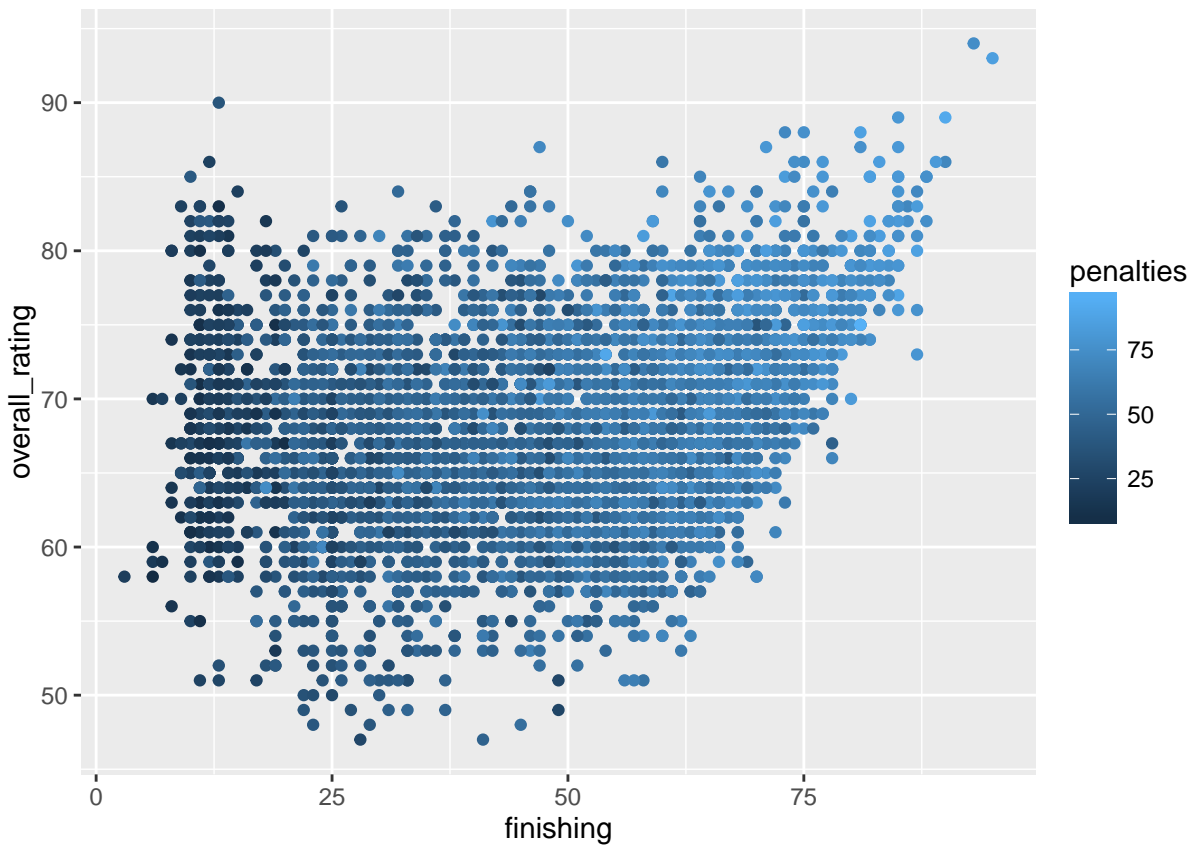
Analysis 7

A Plot of top 15 Players from 2008 to 2016
based on sprint speed and strength



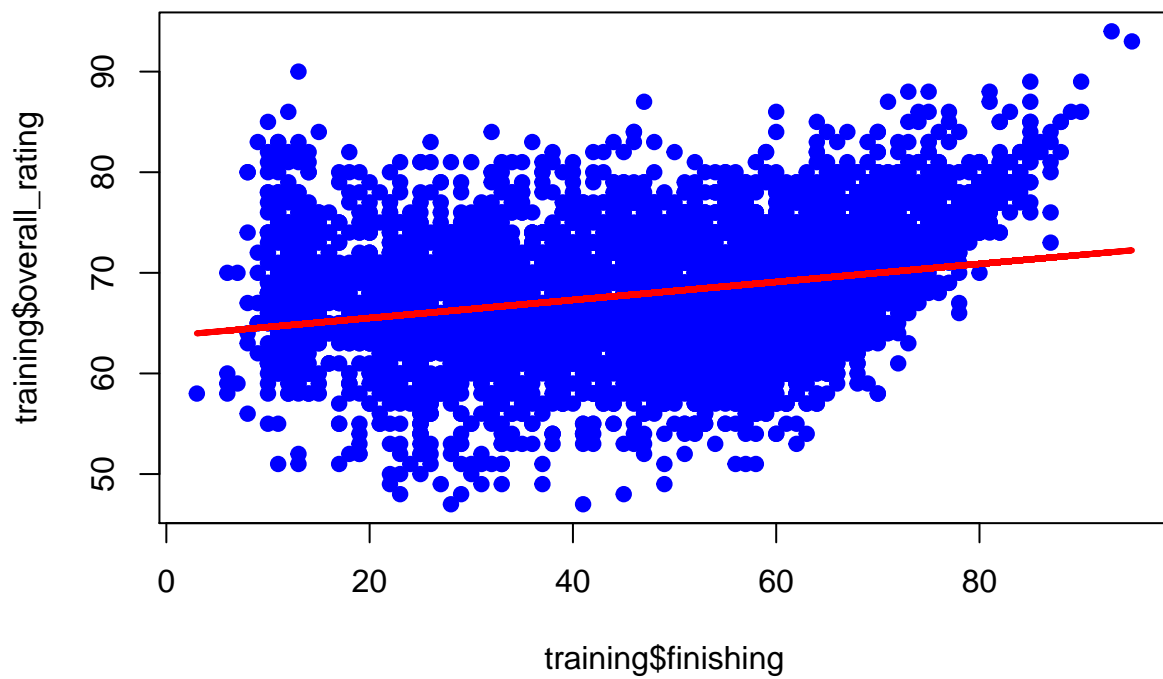
Analysis 8

```
##
## Call:  NULL
##
## Coefficients:
##      (Intercept)      player_api_id      potential      penalties
##      7.724e-01      -1.683e-05      8.592e-01      1.939e-03
##      vision      long_shots      finishing      heading_accuracy
##      2.648e-02      2.240e-03      -1.536e-03      3.204e-03
##      sprint_speed      strength      date_stat2011      date_stat2012
##      -6.987e-03      3.103e-02      1.599e+00      4.149e+00
##      date_stat2013      date_stat2014      date_stat2015      date_stat2016
##      4.603e+00      4.875e+00      5.981e+00      6.317e+00
##
## Degrees of Freedom: 5297 Total (i.e. Null);  5282 Residual
## Null Deviance:      213800
## Residual Deviance: 24120      AIC: 23100
```

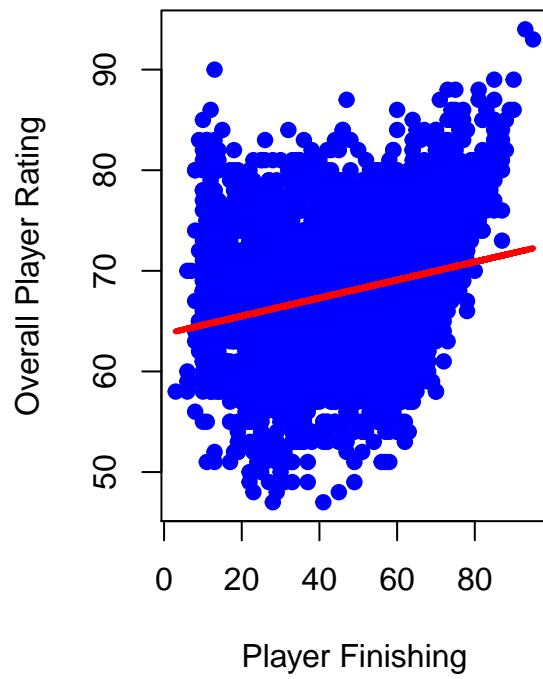


```
## [1] 445.2277
```

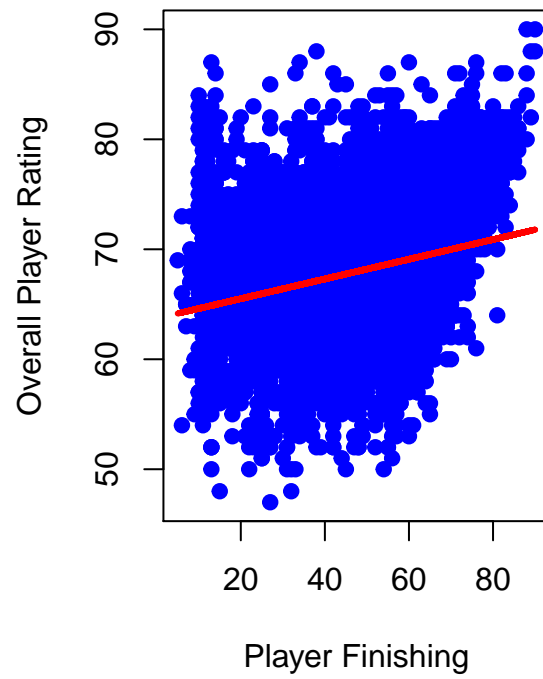
```
## [1] 433.9268
```



Training Data Set



Testing Data Set



```
## [1] 445.2277
```

```
## [1] 433.9268
```