Logistic_Piot

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```
raw <- read.csv('/home/chenjie/Desktop/Math564Project/12_players.csv')
```

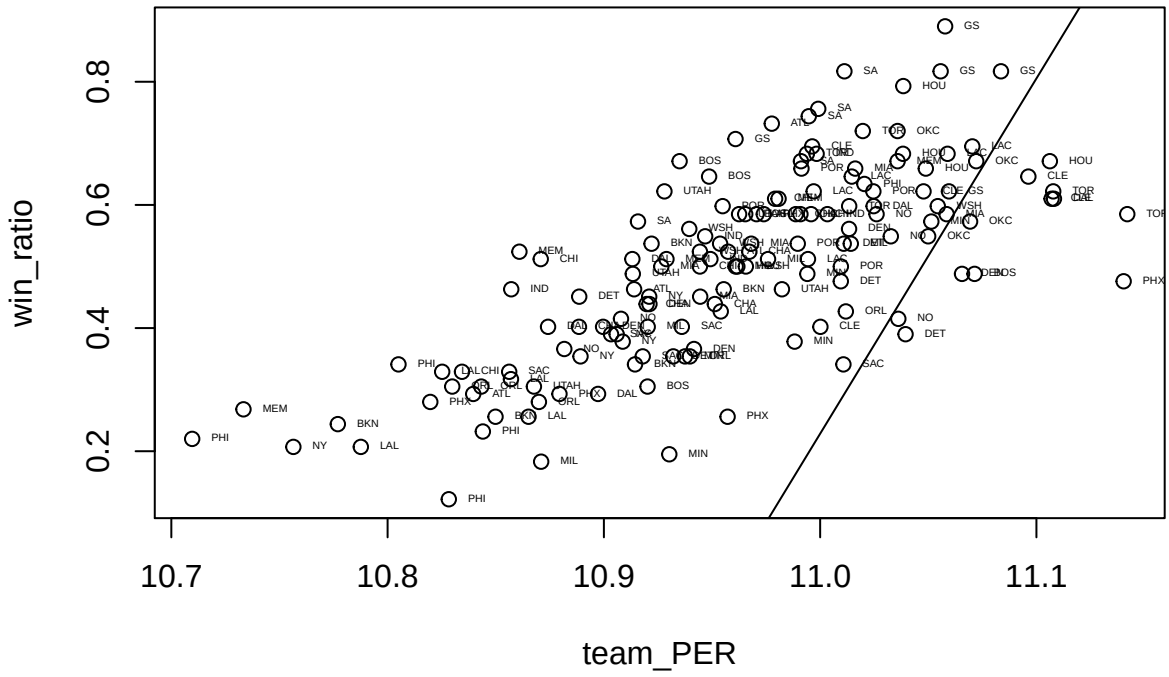
```
logistic_total <-glm(raw$win_ratio~ raw$team_PER,data = raw, family = binomial)
```

```
## Warning in eval(family$initialize): non-integer #successes in a binomial
## glm!
```

```
summary(logistic_total)
```

```
##
## Call:
## glm(formula = raw$win_ratio ~ raw$team_PER, family = binomial,
##     data = raw)
##
## Deviance Residuals:
##      Min        1Q    Median        3Q       Max
## -0.55695  -0.12763  -0.00722   0.13224   0.57703
##
## Coefficients:
##              Estimate Std. Error z value Pr(>|z|)
## (Intercept)   -63.228     23.695  -2.668  0.00762 **
## raw$team_PER    5.769      2.162   2.669  0.00761 **
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## (Dispersion parameter for binomial family taken to be 1)
##
##     Null deviance: 14.716  on 149  degrees of freedom
## Residual deviance:  7.020  on 148  degrees of freedom
## AIC: 179.69
##
## Number of Fisher Scoring iterations: 4
```

```
plot(raw$team_PER,raw$win_ratio,xlab = 'team_PER', ylab = 'win_ratio', main = '2014 - 2017 Win_Ratio ag
```


2014 − 2017 Win_Ratio against team_PER − 12 Players
win_ratio
0.2
0.4
0.6
0.8
10.7
10.8
10.9
11.0
11.1
team_PER

```
## integer(0)
```