

601_HW1_HTML

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Load datasets

```
train <- read.csv("datasets/moneyball-training-data.csv")
summary(train)
```

```
##      INDEX      TARGET_WINS    TEAM_BATTING_H TEAM_BATTING_2B
## Min.   : 1.0    Min.   : 0.00    Min.   : 891    Min.   : 69.0
## 1st Qu.: 630.8  1st Qu.: 71.00    1st Qu.:1383    1st Qu.:208.0
## Median :1270.5  Median : 82.00    Median :1454    Median :238.0
## Mean   :1268.5  Mean   : 80.79    Mean   :1469    Mean   :241.2
## 3rd Qu.:1915.5  3rd Qu.: 92.00    3rd Qu.:1537    3rd Qu.:273.0
## Max.   :2535.0  Max.   :146.00    Max.   :2554    Max.   :458.0
##
## TEAM_BATTING_3B TEAM_BATTING_HR TEAM_BATTING_BB TEAM_BATTING_SO
## Min.   : 0.00    Min.   : 0.00    Min.   : 0.0    Min.   : 0.0
## 1st Qu.: 34.00    1st Qu.: 42.00    1st Qu.:451.0    1st Qu.: 548.0
## Median : 47.00    Median :102.00    Median : 512.0    Median : 750.0
## Mean   : 55.25    Mean   : 99.61    Mean   : 501.6    Mean   : 735.6
## 3rd Qu.: 72.00    3rd Qu.:147.00    3rd Qu.:580.0    3rd Qu.: 930.0
## Max.   :223.00    Max.   :264.00    Max.   : 878.0    Max.   :1399.0
## NA's   :102
## TEAM_BASERUN_SB TEAM_BASERUN_CS TEAM_BATTING_HBP TEAM_PITCHING_H
## Min.   : 0.0    Min.   : 0.0    Min.   :29.00    Min.   : 1137
## 1st Qu.: 66.0    1st Qu.: 38.0    1st Qu.:50.50    1st Qu.: 1419
## Median :101.0    Median : 49.0    Median : 58.00    Median : 1518
## Mean   :124.8    Mean   : 52.8    Mean   : 59.36    Mean   : 1779
## 3rd Qu.:156.0    3rd Qu.: 62.0    3rd Qu.:67.00    3rd Qu.: 1682
## Max.   :697.0    Max.   :201.0    Max.   : 95.00    Max.   :30132
## NA's   :131    NA's   :772    NA's   :2085
## TEAM_PITCHING_HR TEAM_PITCHING_BB TEAM_PITCHING_SO TEAM_FIELDING_
E
## Min.   : 0.0    Min.   : 0.0    Min.   : 0.0    Min.   : 65.0
## 1st Qu.: 50.0    1st Qu.: 476.0    1st Qu.: 615.0    1st Qu.: 127.0
## Median :107.0    Median : 536.5    Median : 813.5    Median : 159.0
## Mean   :105.7    Mean   : 553.0    Mean   : 817.7    Mean   : 246.5
## 3rd Qu.:150.0    3rd Qu.: 611.0    3rd Qu.: 968.0    3rd Qu.: 249.2
## Max.   :343.0    Max.   :3645.0    Max.   :19278.0    Max.   :1898.0
## NA's   :102
## TEAM_FIELDING_DP
## Min.   : 52.0
## 1st Qu.:131.0
## Median :149.0
## NA's   :102
```