

# HW1

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VAR_NAME	MEAN	MEDIAN
INDEX	1268.46353	1270.5
TARGET_WINS	80.79086	82.0
TEAM_BATTING_H	1469.26977	1454.0
TEAM_BATTING_2B	241.24692	238.0
TEAM_BATTING_3B	55.25000	47.0
TEAM_BATTING_HR	99.61204	102.0
TEAM_BATTING_BB	501.55888	512.0
TEAM_BATTING_SO	735.60534	750.0
TEAM_BASERUN_SB	124.76177	101.0
TEAM_BASERUN_CS	52.80386	49.0
TEAM_BATTING_HBP	59.35602	58.0
TEAM_PITCHING_H	1779.21046	1518.0
TEAM_PITCHING_HR	105.69859	107.0
TEAM_PITCHING_BB	553.00791	536.5
TEAM_PITCHING_SO	817.73045	813.5
TEAM_FIELDING_E	246.48067	159.0
TEAM_FIELDING_DP	146.38794	149.0

VAR_NAME	CORRELATION TO WINS (r)
TEAM_BATTING_H	0.38876752
TEAM_BATTING_2B	0.28910365
TEAM_BATTING_3B	0.14260841
TEAM_BATTING_HR	0.17615320
TEAM_BATTING_BB	0.23255986
TEAM_BATTING_SO	-0.03175071
TEAM_BASERUN_SB	0.13513892
TEAM_BASERUN_CS	0.02240407
TEAM_BATTING_HBP	0.07350424
TEAM_PITCHING_H	-0.10993705
TEAM_PITCHING_HR	0.18901373
TEAM_PITCHING_BB	0.12417454
TEAM_PITCHING_SO	-0.07843609
TEAM_FIELDING_E	-0.17648476
TEAM_FIELDING_DP	-0.03485058

VAR_NAME	NUM_MISSING
INDEX	0
TARGET_WINS	0
TEAM_BATTING_H	0
TEAM_BATTING_2B	0
TEAM_BATTING_3B	0

VAR_NAME	NUM_MISSING
TEAM_BATTING_HR	0
TEAM_BATTING_BB	0
TEAM_BATTING_SO	102
TEAM_BASERUN_SB	131
TEAM_BASERUN_CS	772
TEAM_BATTING_HBP	2085
TEAM_PITCHING_H	0
TEAM_PITCHING_HR	0
TEAM_PITCHING_BB	0
TEAM_PITCHING_SO	102
TEAM_FIELDING_E	0
TEAM_FIELDING_DP	286

## Graphs

```
par(mfrow = c(1,2))
for (var_count in 3:17) {
  plot(x = trainingdata[, var_count], y = trainingdata$TARGET_WINS, xlab = names(trainingdata)[var_count])
}
```









