Are You An All-Star?

Created By Nicole Semerano

Goal

- Create a prediction model to choose players to be on the All-Star Team

- Current process full of bias

Data Summation

37000 player stats
4056 All-Stars

Features

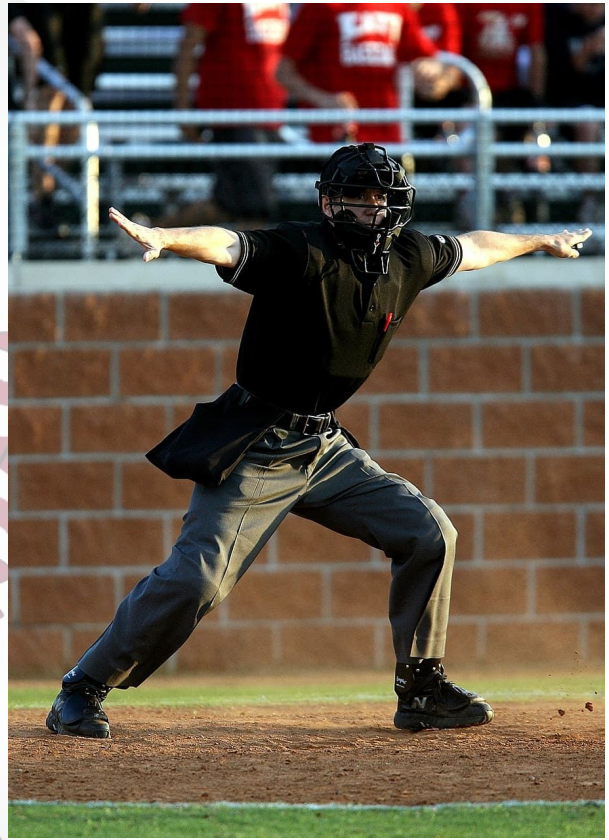
Batting Average
Sacrifices
Walks

Target

All-Star Classification

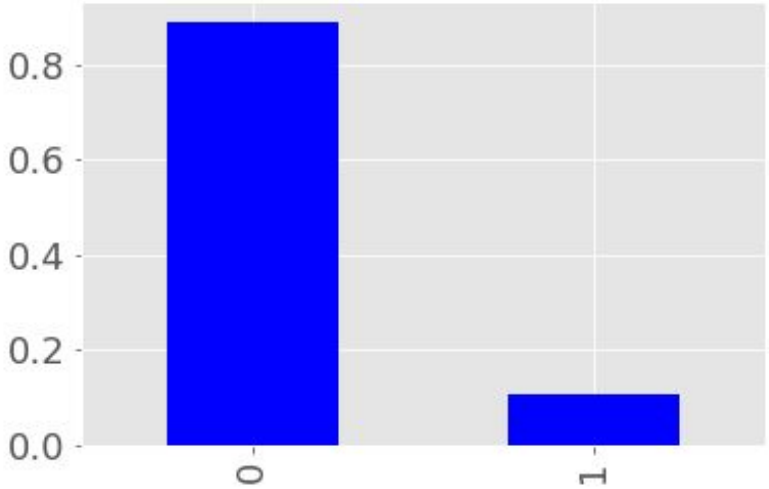
Cleaning

- All-Star Games of 1945, 1960s
- Small Amount of At-Bats
- Created columns



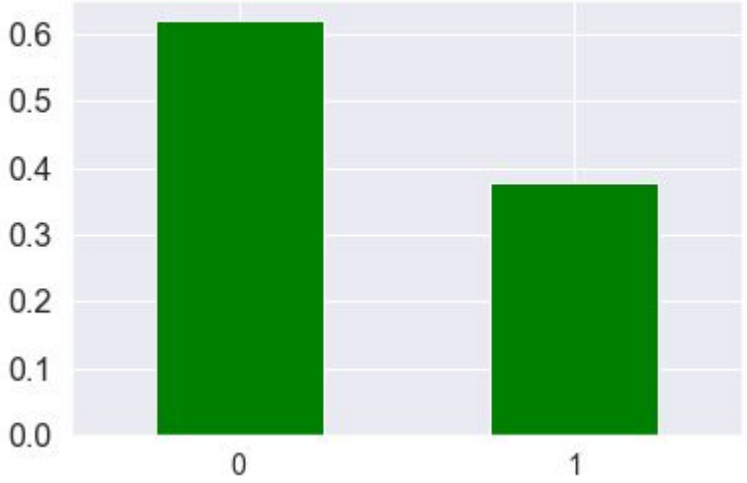
Oversampling

89% Non All-Stars



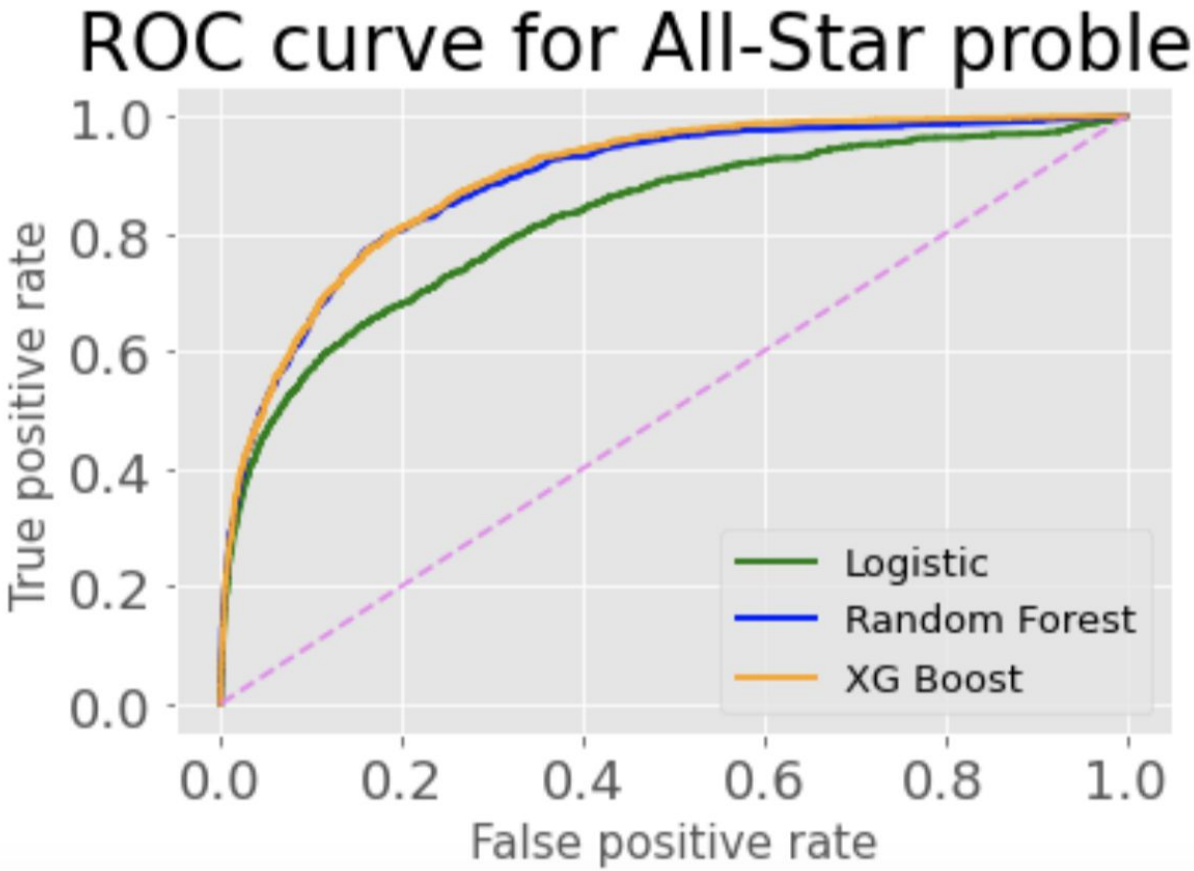
11% All-Stars

62% Non All-Stars

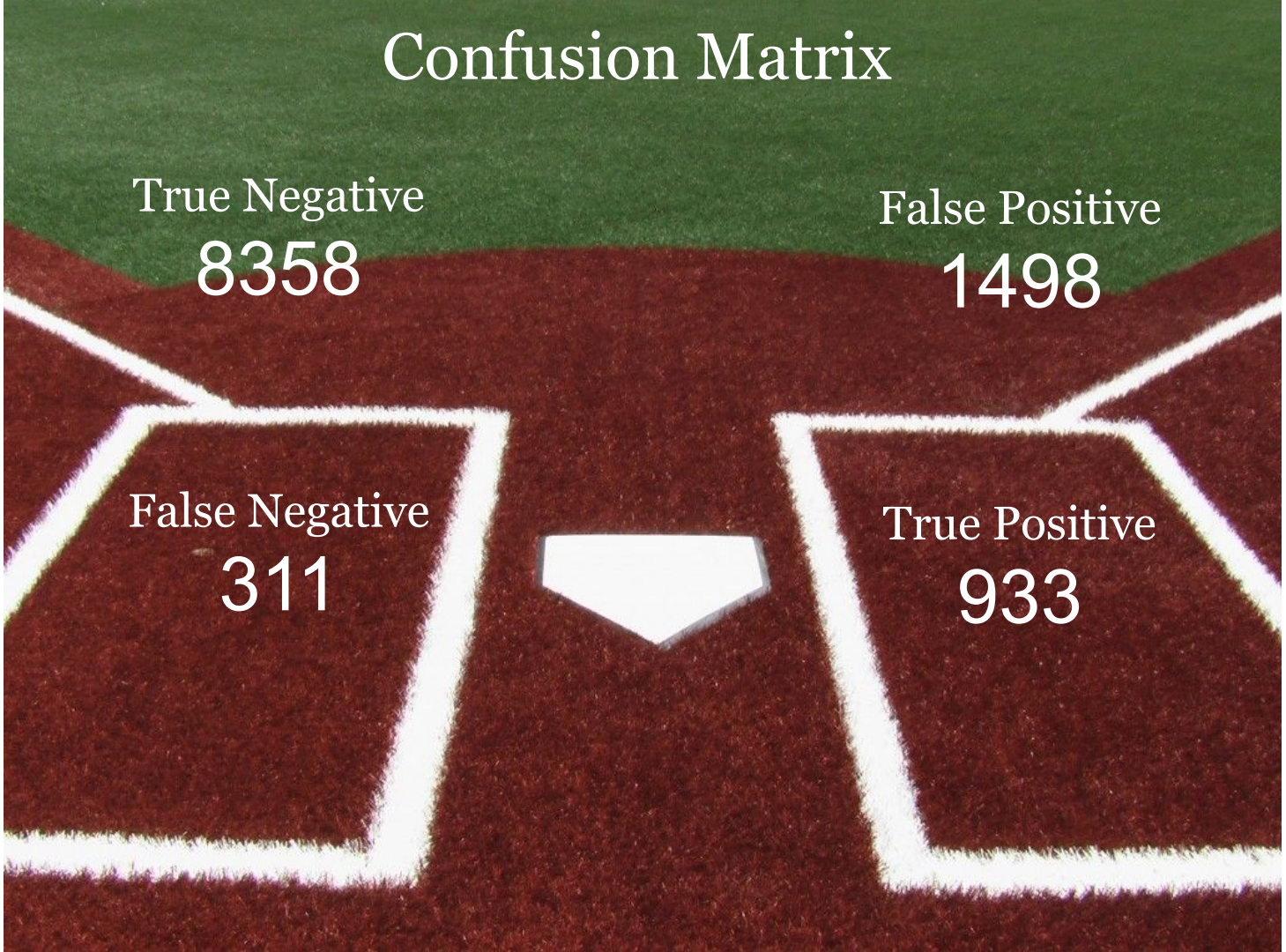


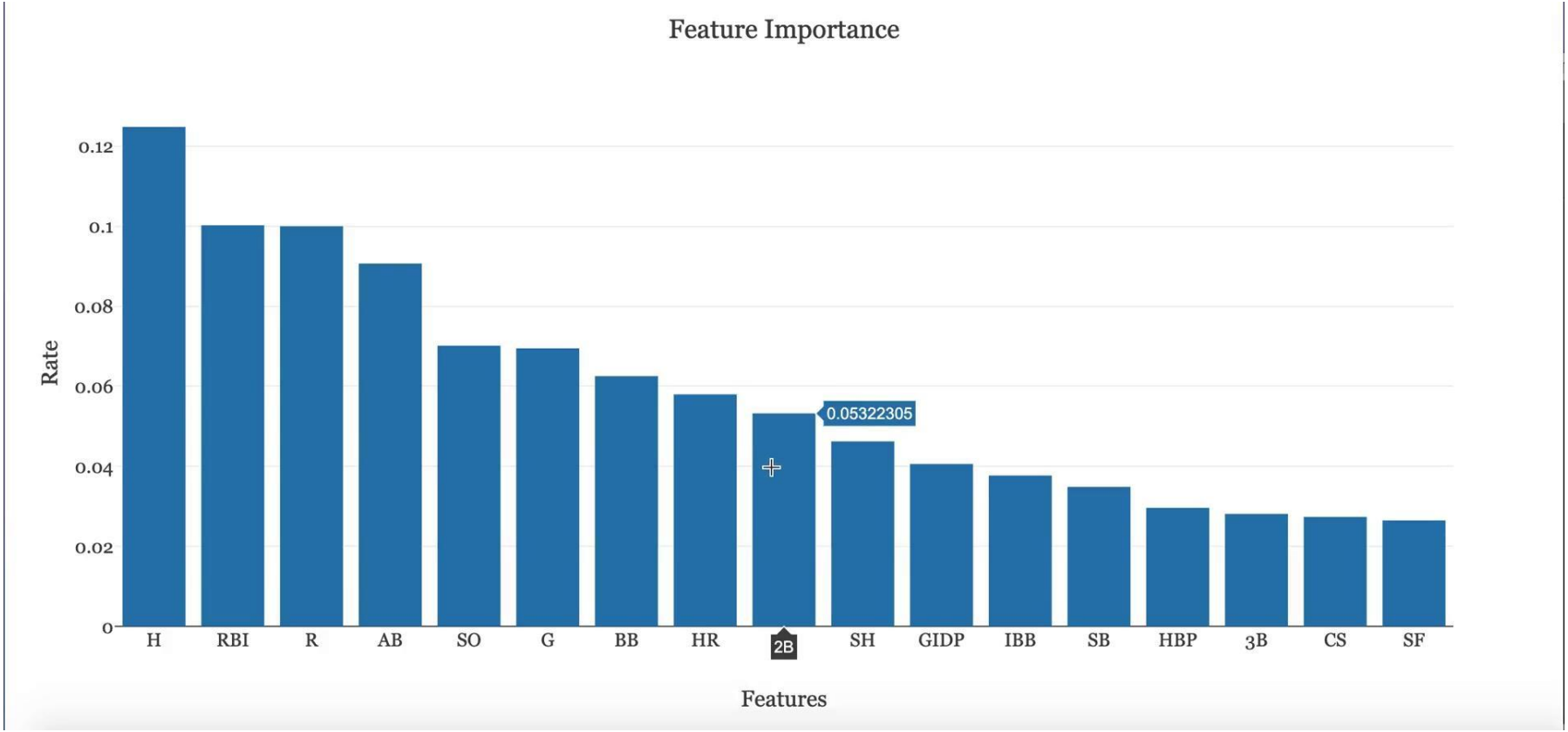
38% All-Stars

Model Choice



Random Forest
91.1% Accuracy!


Confusion Matrix
True Negative
8358
False Positive
1498
False Negative
311
True Positive
933



https://plotly.com/~nicole.semerano/1/

Hank Aaron 1972

G - 129

AB - 449

R - 75

H - 119

2B - 10

3B - 0

HR - 34

RBI - 77

SB - 4

CS - 0

BB - 92

SO - 55

IBB - 15

HBP - 1

GIDP = 17

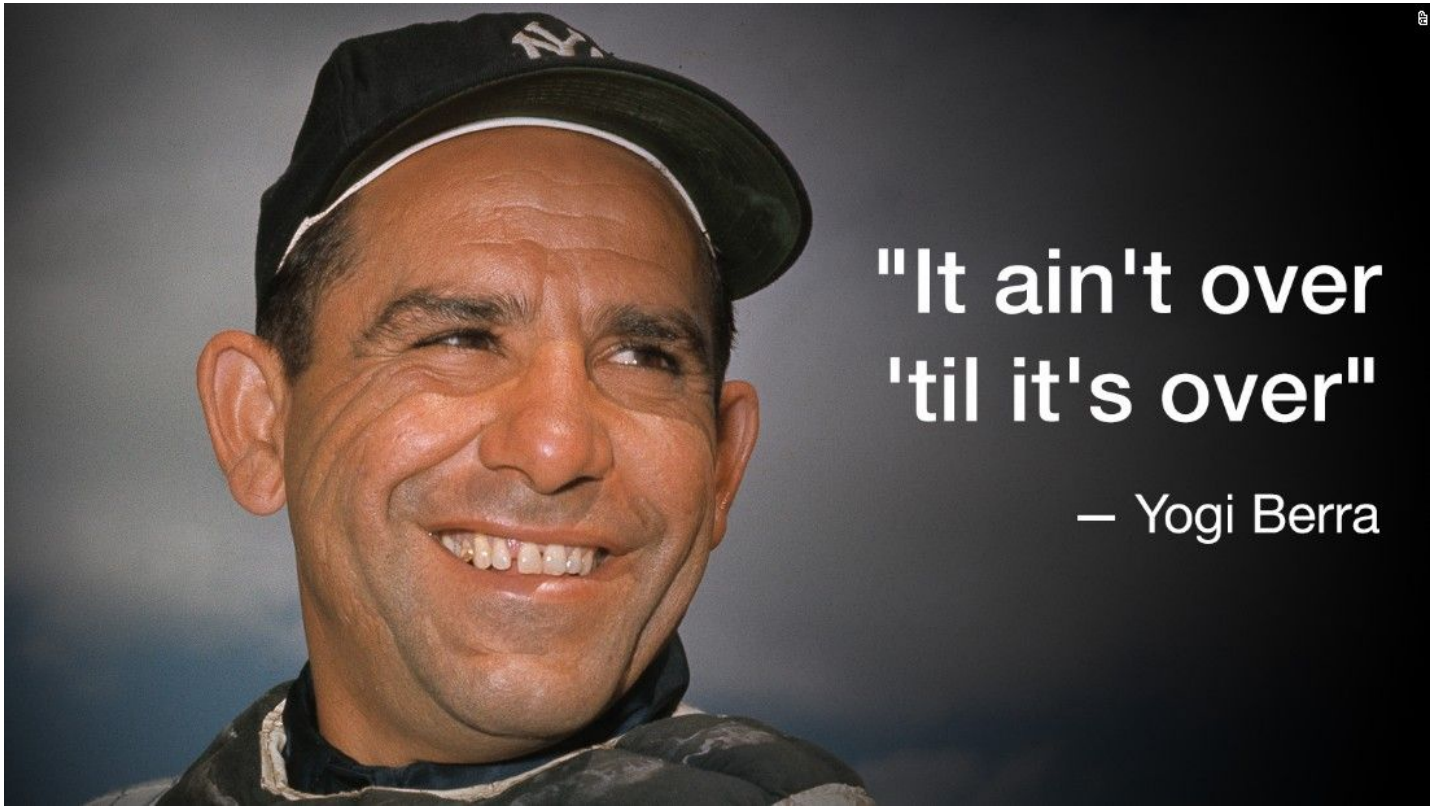
9th inning

Pitchers?

New Statistics?

Phases to app?

Yankees
ALL STAR GAME
N.Y.C. 2008
AMERICA'S WATCH
Armitron
8:32
OFFICIAL TIME
1 2 3 4 5 6 7 8 9 10 R H E
3 4 0
3 6 0
I hope you enjoyed!
THHHEEEEE MODEL WINS!
verizon
DUNKIN' DONUTS
Poland Spring
Poland Spring
SPORTS AUTHO


"It ain't over
'til it's over"
— Yogi Berra