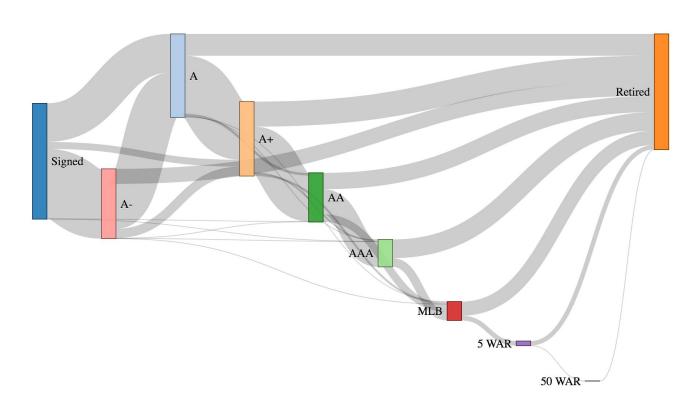
Who will live the dream?

Predicting which minor leaguers will make the majors

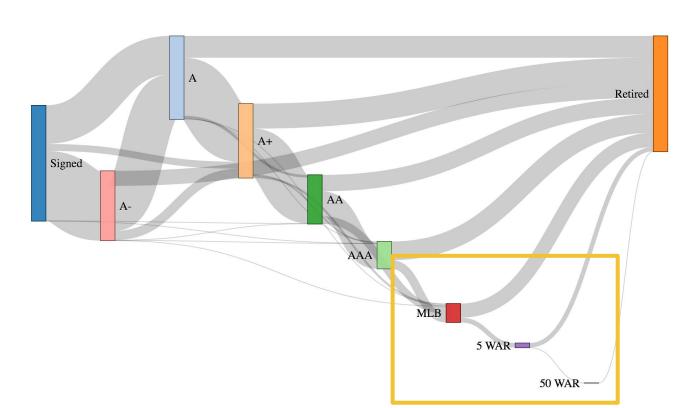
Mitchell Lee August 8, 2017 Metis



Low "Graduation" Rate

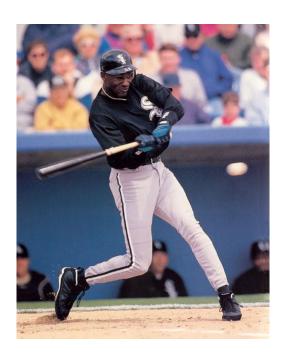


Low "Graduation" Rate



Problem Statement Refinement

Look only at "upper levels"



- AAA
- AA
- A+
- A
- A-
- Advanced Rookie
- Rookie
- Foreign Rookie

Data Processing

- All batters in "upper" minors between 1990 and 2011
- Second season (first scout-able)
- Did not reach majors during season
- PA > 150

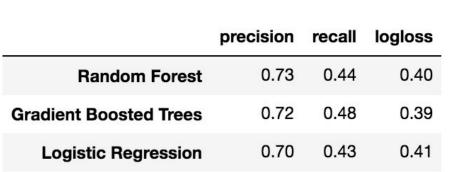
(~7k players)

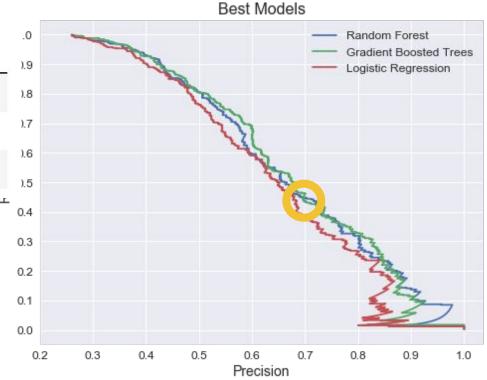




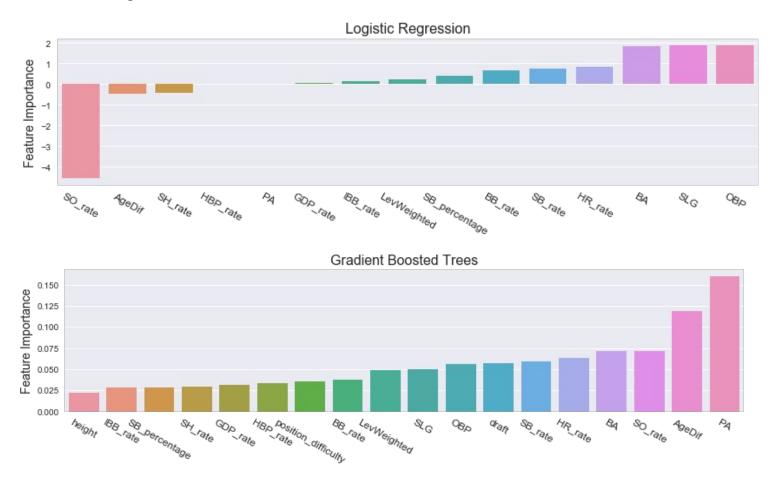


Models: Predicting Major League Appearance

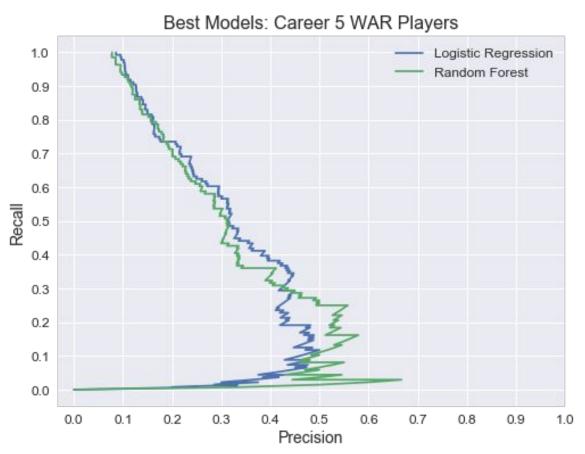




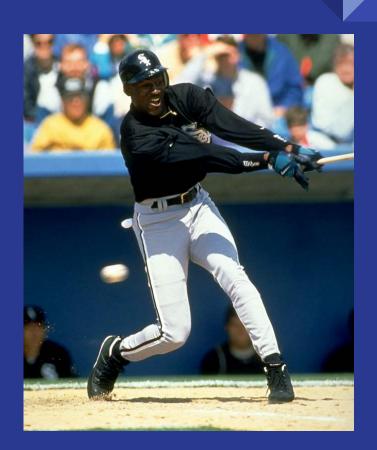
Feature Importance



Can I predict <u>Good</u> Players?



Thank you



Low "Graduation" Rate

