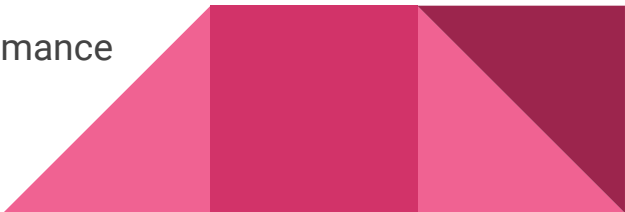


Predicting Baseball Player Success: A Sabermetrics Project

Shane Sarnac, Zak Collins, Ryan Smith

Section: CSCI 4502

Project

- Problem:
 - Predicting the value of a player for a coming year
 - Impact on overall team success
 - Actual value in terms of contract and asset evaluation
 - Successful drafting strategies
 - Previous work:
 - *Moneyball* by Michael Lewis
 - Bill James *Baseball Abstract*
 - Society for American Baseball Research (SABR)
 - Proposed work:
 - Predicting player success based on metrics for previous performance
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Data

- Databases:
 - Lahman Database
 - Retrosheet
 - Fangraphs
 - Baseball Savant
 - Brooks Baseball
- How to evaluate:
 - Compare predictions for years that already occurred with historical data
 - Compare predictions to other prediction systems
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Tools

- Python or R
- Excel (CSV)
- STATA

