



Applications

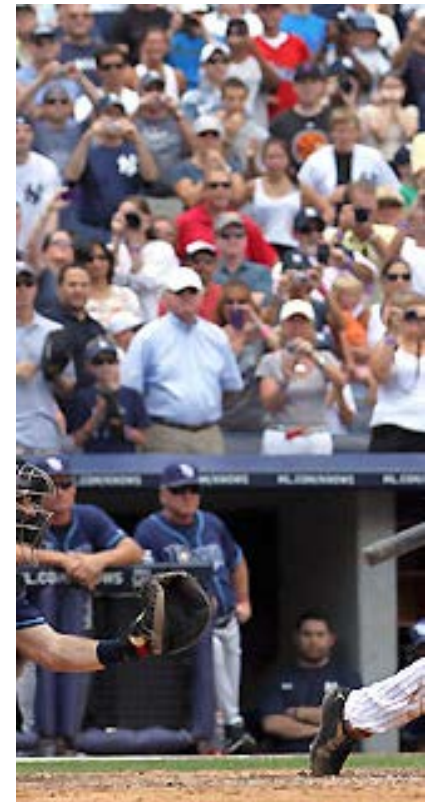
School of Information Studies
Syracuse University

Additional Applications



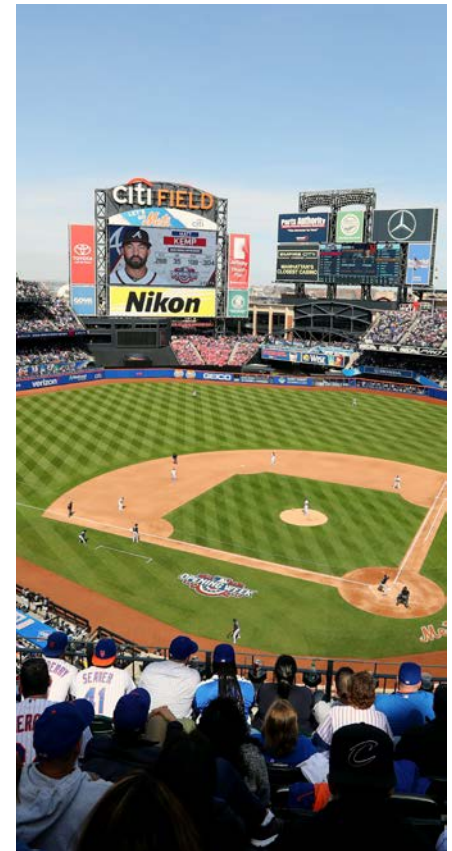
Baseball Prospectus

- Predicting performance before the season
 - Nate Silver
 - PECOTA
- Variations
 - Military war games
 - Film releases
 - Associate performance



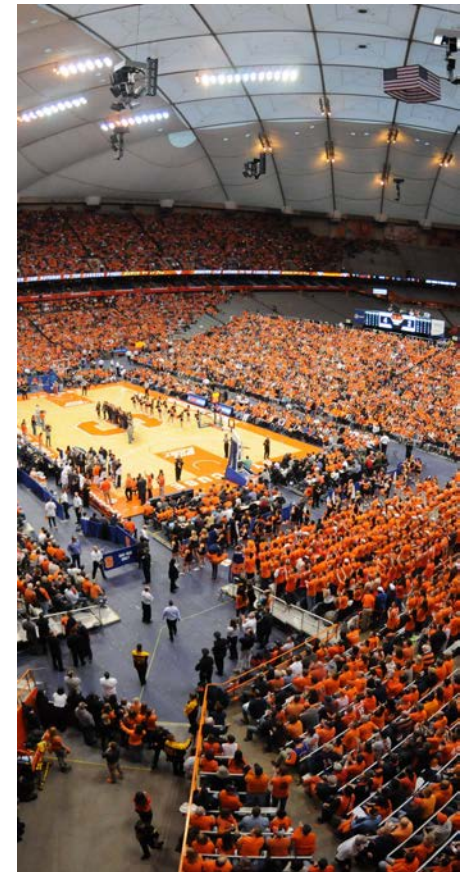
Moneyball Problem

- Calculating the value of a player
 - Billy Beane
 - Individual summary stats applied to team performance
- Variations
 - Associate performance
 - Client conversion
 - Customer lifetime value



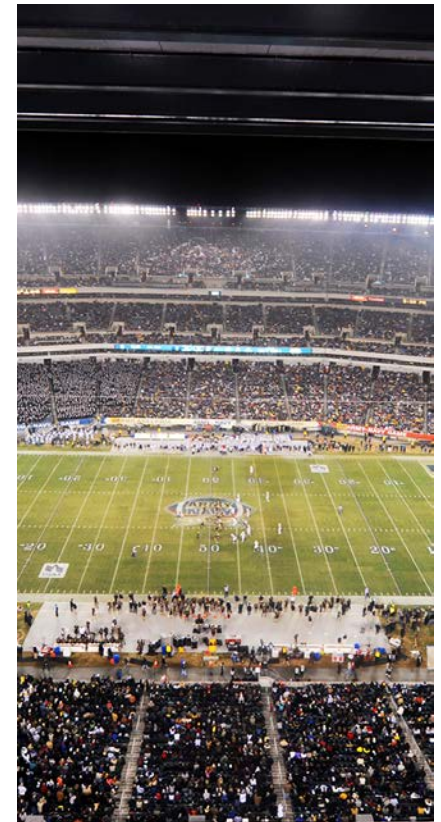
Coaching Problems

- Utilizing player performance
 - Microanalysis of game
 - Sabermetrics
- Variations
 - Football
 - Basketball



Bowl Championship Series

- Predicting team performance against unknown opponent
 - Strength of schedule
 - Ensemble approaches
- Variations
 - March Madness
 - Product deployment
 - Recommendation engine



Billy Waters Problem

- Predicting the winning team in the next game?
 - Human expertise
 - Simulation
- Variations
 - March Madness
 - Film release
 - Product deployment

