

Metis Linear Regression Project Proposal

Question/Idea: I want to use linear regression on NBA team statistics (coming up with a scheme on when to use adjusted or unadjusted stats) in order to estimate the margin of victory per game.

Data: Data will be scraped from basketball reference's team ratings data. All years spanning the last couple decades (so that the number of teams isn't changing).
https://www.basketball-reference.com/leagues/NBA_2021_ratings.html

Tools:

- Seaborn and matplotlib
- BeautifulSoup
- Numpy

MVP Goal: Three linear regression models that estimate the margin of victory per game in a given year using a handful of features. The first model would focus solely on defensive features, the second would focus on only offensive features, and the third would incorporate offensive both offensive and defensive features.