

RQ: Is familiarity with NBA players correlated with Player Production?

RQ: Do familiarity rankings agree with Statistical rankings?

Dependent Variables

[From Basketball Reference]  
Player Production

what stats if choose is a mediating variable

RBD similarity Statistic

[From My Survey]

Familiarity

Defined as a persons ability to name a player based on picture of a player.

Independent Variables

- PTS, 2PM, MIN
- REB, FT%, PACE
- ASTS, TOVS, WS
- WINS, STLs, DFS
- FG%, BLKS, PIM
- MYPS, G, BPM
- ASTARS, GS, TS%

Continuous

mediating variable or variable

ordinal scale

- Experience Level
1. Own Website Does subject know
  2. What are PPG
  3. What is FG%
  4. What is PER
  5. What is average Recognize?

Tic to recognize

Scale of discrete ordinal

Mediating variable is eye test, how does a player look...

Machine learning List

Model to sample Comparison Ranked list - type of model is a mediating variable

Latent variable is team success / who else is on the team w/ a player (min drop or us% drop)

Recognition to compile Ranked list

Unmeasured variables  
- Subjective team  
- Defensive spending

Antecedent Variables

- Age of Player (if they are still playing)
- Whether or not they have a presence on socials
- Does my subject follow NBA players?

Possible model types: Random Forest, Clustering

If RBD > .5, then correlation, If RBD < .5, then no correlation

Criterion / outcome Variable

Heavy backend bad allows outcome variable to be simple and interpretable.