Sports outcome Predictor

Eric Pei April 28, 2016











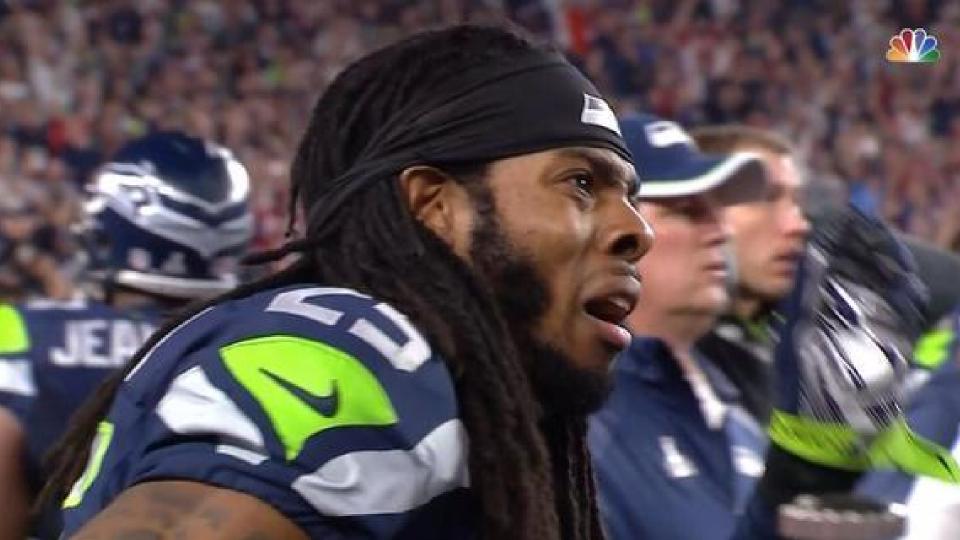












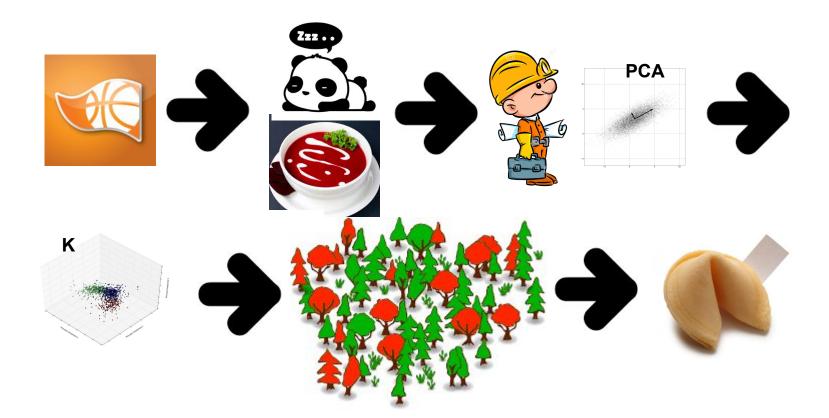


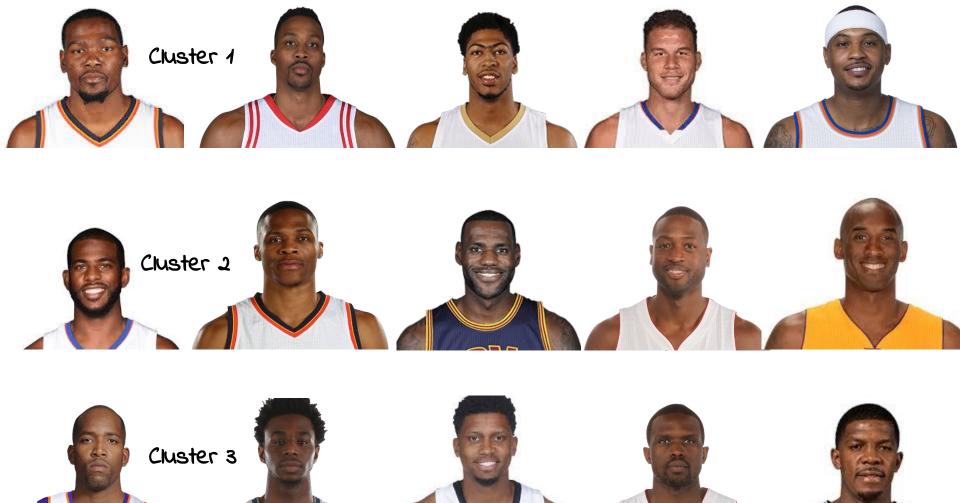
Categories to predict

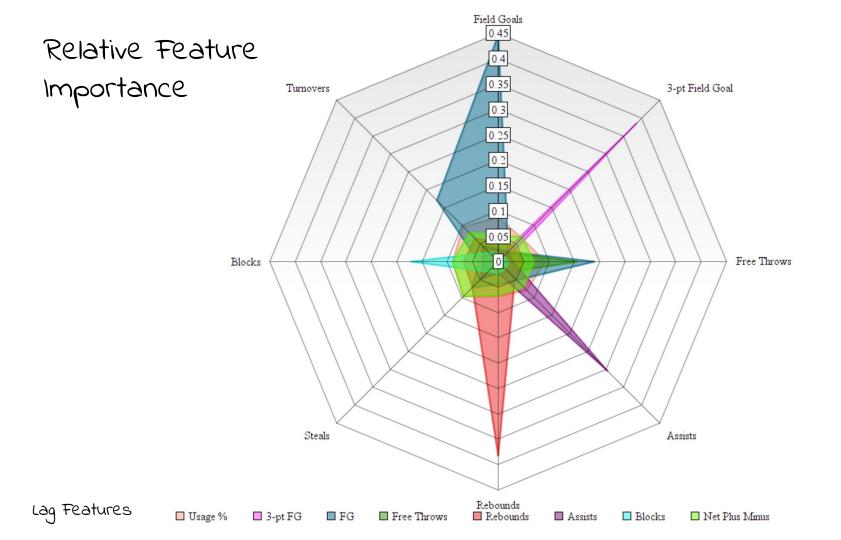
- Field Goals
- 3 Point FGs
- Free Throws
- Rebounds

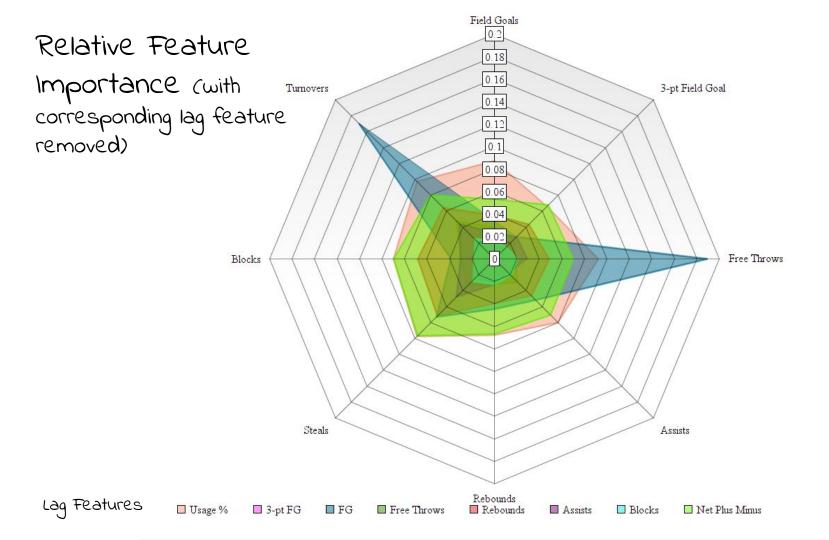
- Assists
- Blocks
- Steals
- Turnovers

Data Pipeline









Insights

Big Men Cluster

Ball Handling Cluster

SG/Small F Cluster

3-pt Field Goals hardest to predict

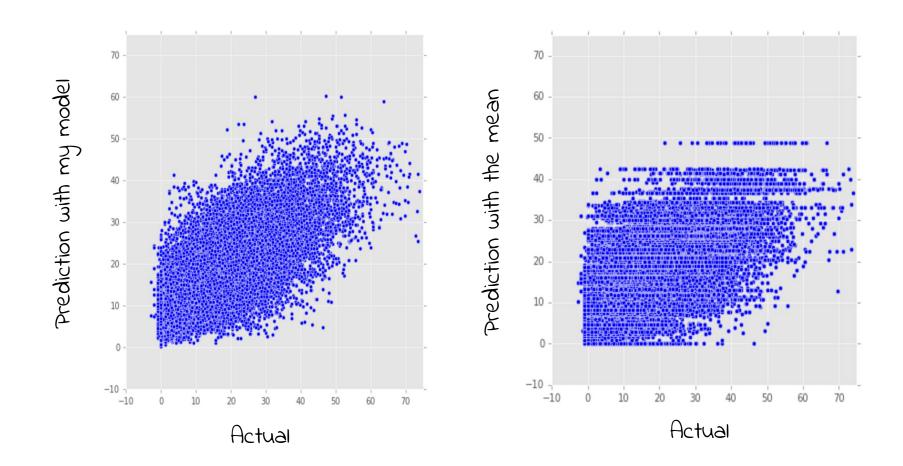
Recent Assists great predictor for Turnovers

Rest was a stronger predictor for this category









Further work



Time Series Analysis on Minutes Played

Add more features: Flight time between games



7

Scrape team Twitter and use NLP to see who is resting, playing

Build Elo model to adjust for strength of team

Tonight's game







Hawks vs. Celtics 5 PM Pacific Time

Game 6 @ Boston



Isaiah Thomas

Predictions

Field Goals (make)	4.7
3 Pointers (make)	2.0
Free Throws (make)	5.7
Rebounds	3.1
Assists	5.7
Steals	1.5
Blocks	0.3
Turnovers	2.3

Thank You!

Contact Info

erichpei@gmail.com

https://www.linkedin.com/in/erichpei

https://github.com/EricHPei/fantasy-score-predictor