FOOTBALL (*SOCCER) MANAGER



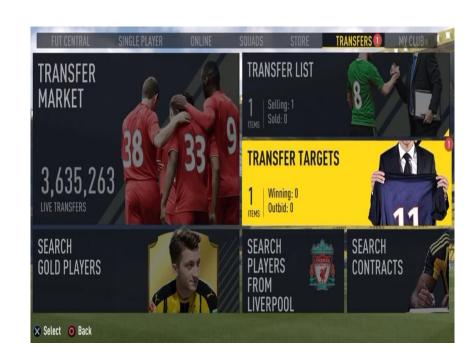
"Give me Zidane and 10 pieces of wood, and I will win you the Champions League" - Sir Alex Ferguson

MOTIVATION

Net spending of Europe's top 5 leagues 6000 million £ in 2018/2019.

Maximize Revenue for outgoing transfers and save money for incoming transfers.

Improve the accuracy of the estimate of player valuation!!



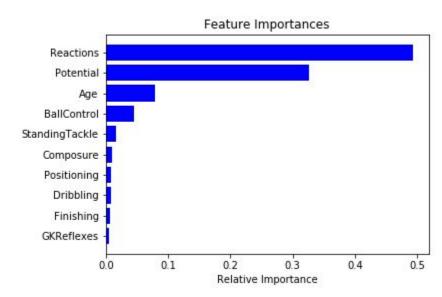


DATA

- Data scraped from https://sofifa.com hosted on Kaggle
- Detailed attributes for ~18,200 players in the latest edition of EA Sports FIFA19
- Attributes include on all player style statistics like Dribbling, Aggression, GK Stills etc
- Player personal data like Nationality, Photo, Club, Age, Wage, Salary etc..

PREDICTIVE MODEL

- Log-transformed response variable to adjust for skewness
- Used linear regression for benchmark & Random forest for feature selection.
- KNN to identify similar players



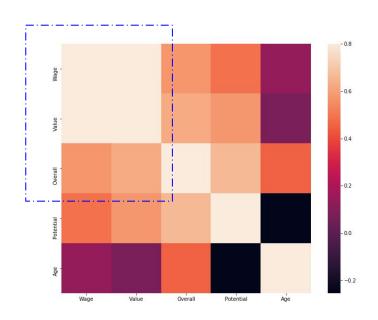
Test data Statistics

- R-squared: 95%
- Prediction Accuracy: 0.72

INSIGHTS

Estimate player value with reasonably high accuracy using very few features only. (10 out of ~90)

High correlation between Market value, Player Salary and Overall rating.



THANK YOU!

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