



The Ultimate Soccer Betting Predictive Model

By: Titilayo (Teetee) Amuwo



Mission

Propose a model that predict a match using the team's soccer power index and bookmaker odds.

ESPN's Soccer Power Index(SPI) is an international and club rating system designed to be the best possible representation of a team's current overall skill level.

Business Problem

- Soccer Sport gambling is worth \$700Billion
- 97% of soccer fans fail to turnover ROI
- 3% millionaires



Data Understanding

- 79200+ rows and 29 columns
- Slightly Imbalanced Data
- Drop redundant columns
- Normalize the data.



Model Results

- Accuracy Scores:
 - Validation data 60%
 - Current season match 80%
- Minimize risk

Actual Value	Draw	5%	62%	33%
	HomeWin	1%	84%	14%
	AwayWin	3%	31%	65%
		Draw	HomeWin	AwayWin
		Predicted Value		

Most Important Features

- SPI of Away team
- Probability Of a Draw
- Probability of HomeWin
- Season
- Importance of match to Away team.

Recommendations

- Predict upcoming match fixtures
- Compare fair odds with bookmakers
- Back up bets

Fair odds -the odds which would leave anybody betting on a random event with zero expected gain or loss $(1-p)$

Next Steps

- Deep Learning Approach
- Soccer players performance
- Fifa World Cup



Today's Match Prediction

- **Bayern Munich Vs Barcelona**
 - 80% likelihood a Draw with Bookmaker odds
 - 80% likelihood a Homewin with Fair odds

Soccer match predictor app

<https://soccer-match-predictor-app.herokuapp.com/>



THANKS!

Do you have any questions?

<https://github.com/Teetee-lab>

<https://www.linkedin.com/in/titilayo-amuwo>



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