FIFA WORLD CUP
QATAR
2022

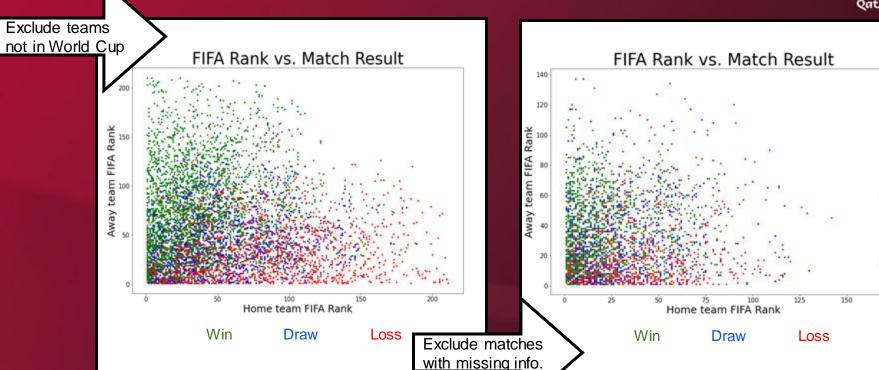Alexander John, Richard Erik Sundberg, Gowtham Senthilkumar

Concurrent Viewership
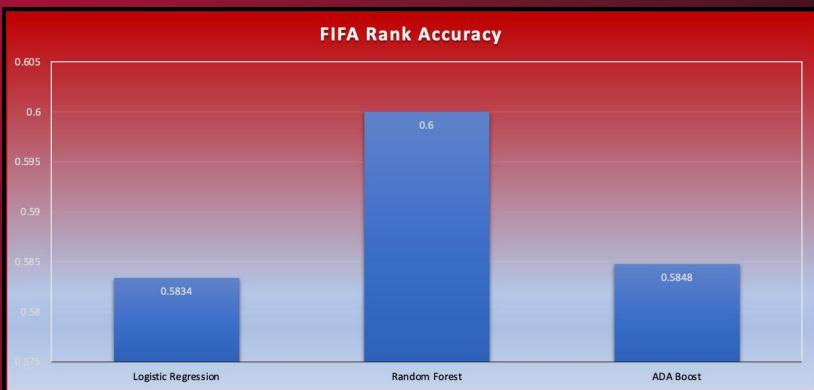Men's World Cup Final

Average Number (in Millions)

600
500
400
300
200

■ 2010　■ 2014　■ 2018

MOST SUCCESSFUL TEAMS

COMPETITION FORMAT

- o Qualifying
- o Group Stage
- o Knockout Rounds

Predicting Soccer / Fútbol

TEAM A

TEAM B

MODEL

MATCH RESULT

FIFA Rankings

Exclude teams not in World Cup

FIFA Rank vs. Match Result

Win   Draw   Loss

11,296 Games

Exclude matches with missing info.

FIFA Rank vs. Match Result

Win   Draw   Loss

4095 Games
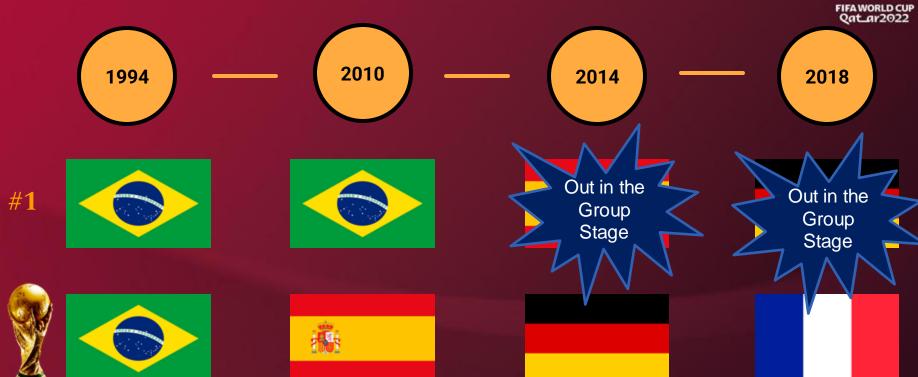
Setting the Benchmark ~ 60%

FIFA Rank Accuracy

	Logistic Regression	Random Forest	ADA Boost
Accuracy	0.5834	0.6	0.5848
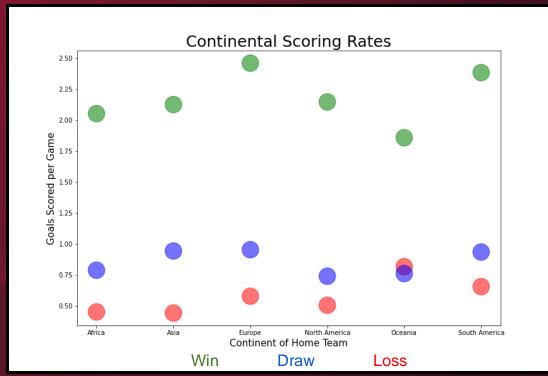
Feature Engineering

❖ Average Goals
   Scored

❖ Win Streaks

Teams with better offense won more games

Feature Importance
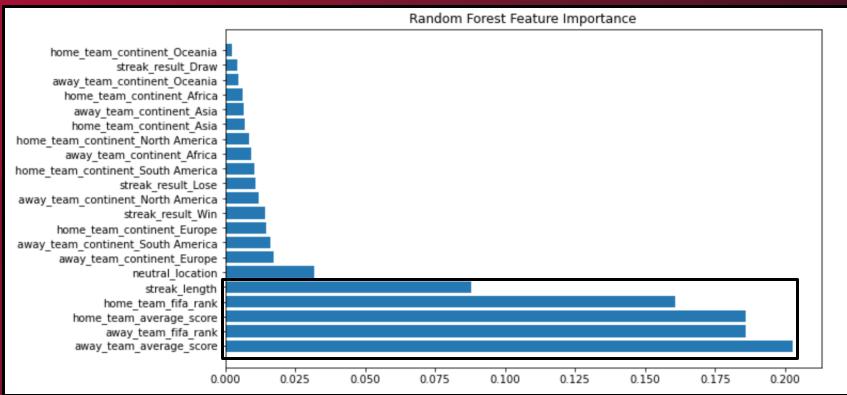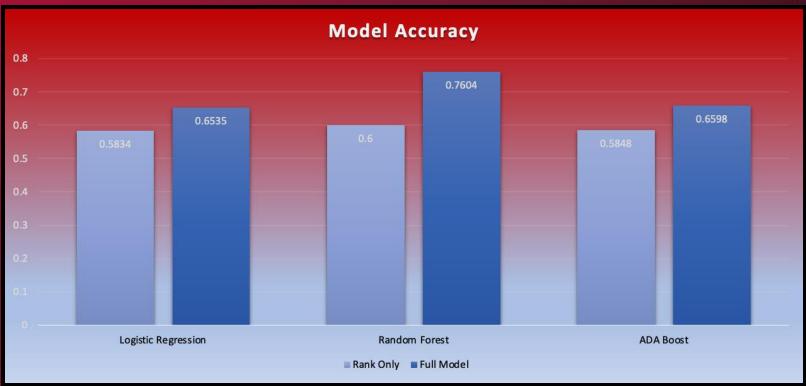
Random Forest Feature Importance

Evaluation: 15% Improvement

Model Accuracy

	Logistic Regression	Random Forest	ADA Boost
Rank Only	0.5834	0.6	0.5848
Full Model	0.6535	0.7604	0.6598

Group Stage

Group A	Group B	Group C	Group D
Netherlands	England	Argentina	France
Senegal	IR Iran	Mexico	Denmark
Qatar	Wales	Poland	Tunisia
Ecuador	USA	Saudi Arabia	Australia

Group E	Group F	Group G	Group H
Japan	Belgium	Brazil	Portugal
Spain	Morocco	Switzerland	Uruguay
Costa Rica	Croatia	Cameroon	Ghana
Germany	Canada	Serbia	Korea Republic

Knockout Rounds

Model Performance

Correctly Predicted Teams

NUMBER OF CORRECT PREDICTIONS

PREDICTOR

Final Model | Initial Model | Alex | CBS Soccer | Stu Holden [Fox] | Landon Donovon [Fox]

- Group Stage
- Round of 16

*Retired Professionals

SlidesCorner.com

Performance Evaluation

Sports Predictions are Hard

Questions