

About me

Data Analytics professional FlatIron Data Science Winter Cohort 2023 Washington State Post Bach

George Fox University Business Grad. jaambert@gmail.com www.linkedin.com/in/jacob-a-ambert-3563b9111/

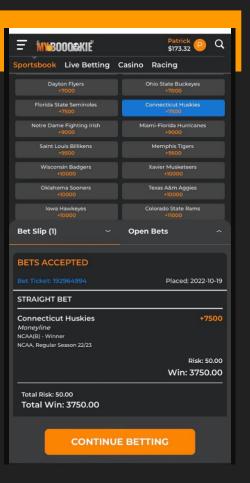


Business Understanding

- According to Statista (2024)Online Sports Betting market worldwide is anticipated to achieve a revenue of \$49.96bn and \$67bn by 2028
- This level of access and growth is creating new users, new betting sites and new ways to bet everyday

Evaluation techniques and access to information need to be growing congruently





Data Understanding



Arpad Elo creator of the ELO system

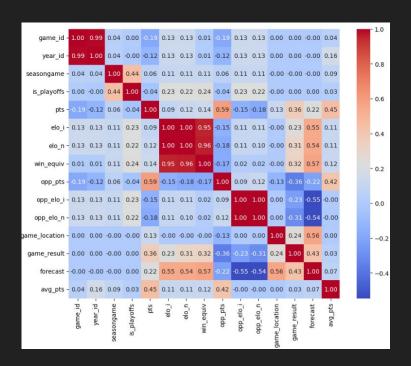
- -Data set comes from datahub.io and consists of the historical info from 1946-2016 nba seasons.
- -Elo ratings and other features for each NBA team in and out of each game and other pertinent season info roughly 126000 data entries.
- -What is ELO?

Methodology

-Data prep

-RandomForestClassifier and ExtraTreeClassifier

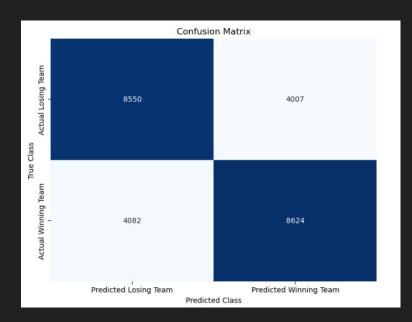
-Tuning and evaluation



Results

- Model performs with an accuracy of 68% in its present form
- In current state is better at predicting the actual winner than actual loser.





Next Steps

- Incorporation of real-time data
- Combining with broader datasets
- Discovering application for coaches for game preparation techniques.

Thank you

direct questions to:

jaambert@gmail.com



Reference Data

-Statista. (2024). Online Sports Betting in the United States. Retrieved from https://www.statista.com/outlook/dmo/eservices/online-gambling/online-sports-betting/united-states

-Datahub.io. Elo dataset. Retrieved from https://datahub.io/five-thirty-eight/nba-elo