

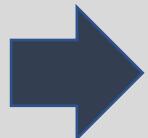


HOCKEY IS
BACK!!!!

Thought Process

Predicting whether
the home team will
win or not in an NHL
game

Predict the Home
Team to win every
time!



Predicting whether an
NHL game will be a
high scoring game



Motivation and Goal

- Will an NHL game be an exciting, high scoring game?
 - High scoring: greater than 7 total points
- NHL Recent Rule Changes
 - Higher scoring games



Methodology

- 2018-2019 NHL Schedule Results Data
- Classification Models



Results

- Features:
 - Last Ten Games
 - Away Team - Goals Scored (Highest Importance)
 - Home Team - Goals Scored (Lowest Importance)
 - Home Team - Total Points
 - Away Team - Total Points



Results

- Features:
 - Last Ten Games
 - Away Team - Goals Scored (Highest Importance)
 - Home Team - Goals Scored (Lowest Importance)
 - Home Team - Total Points
 - Away Team - Total Points
- F1: 0.2857
 - Precision: 0.36
 - Recall: 0.23



NY Rangers vs. NJ Devils (Mar. 9, 2019)



4



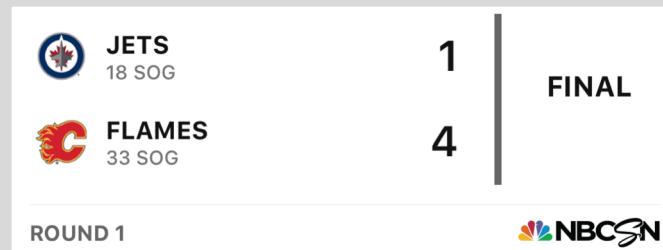
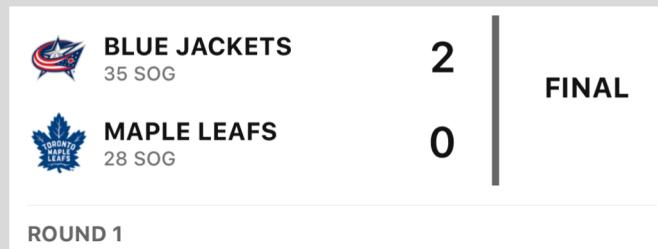
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NY Rangers vs. NJ Devils (Mar. 9, 2019)



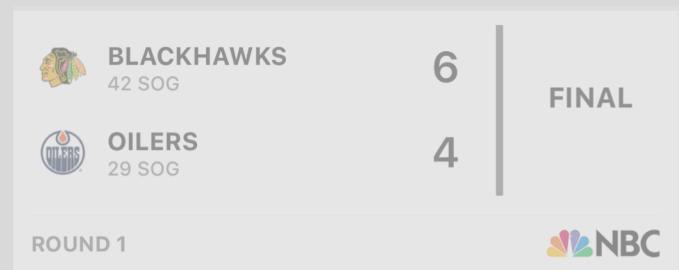
NHL Pre-Playoffs 2020



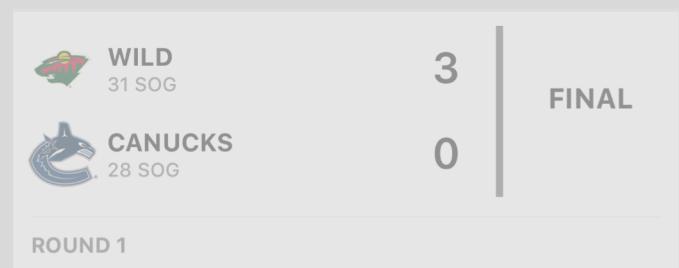
NBCSN



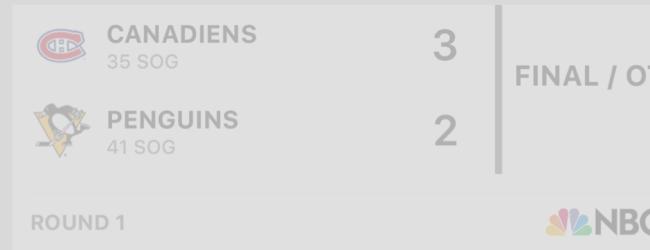
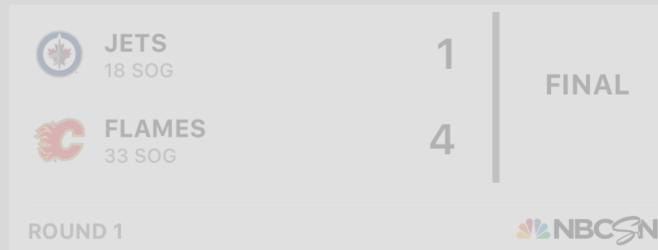
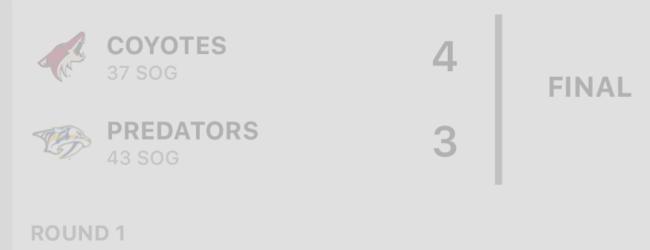
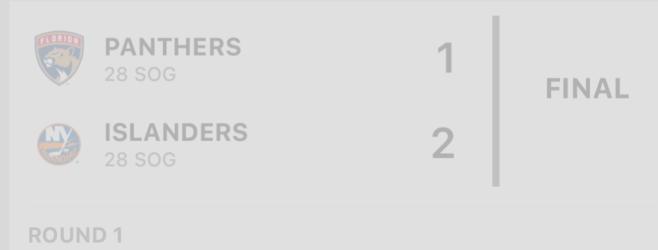
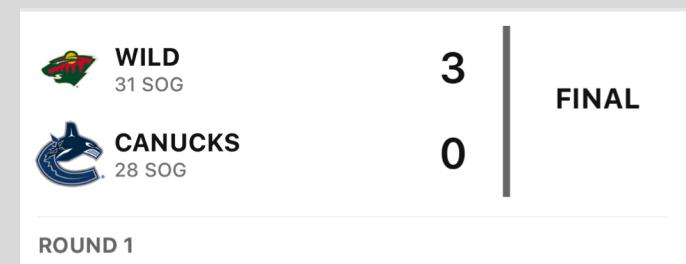
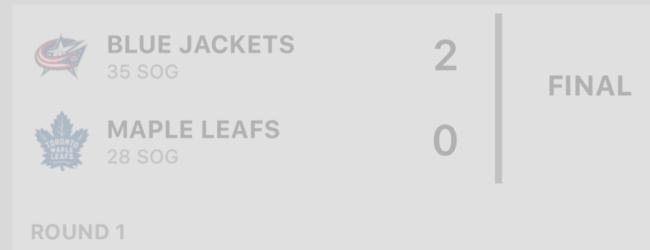
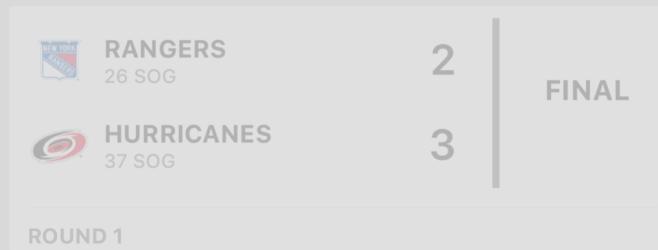
NBC



NBC



NHL Pre-Playoffs 2020



Conclusion

- Sports outcomes are hard to predict
 - Humans are unpredictable
 - More factors go into the game results



Future Work

- More Data – Both Models
- Hockey Fights – Fans Love Fights

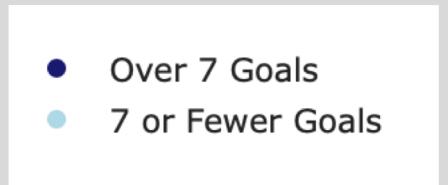
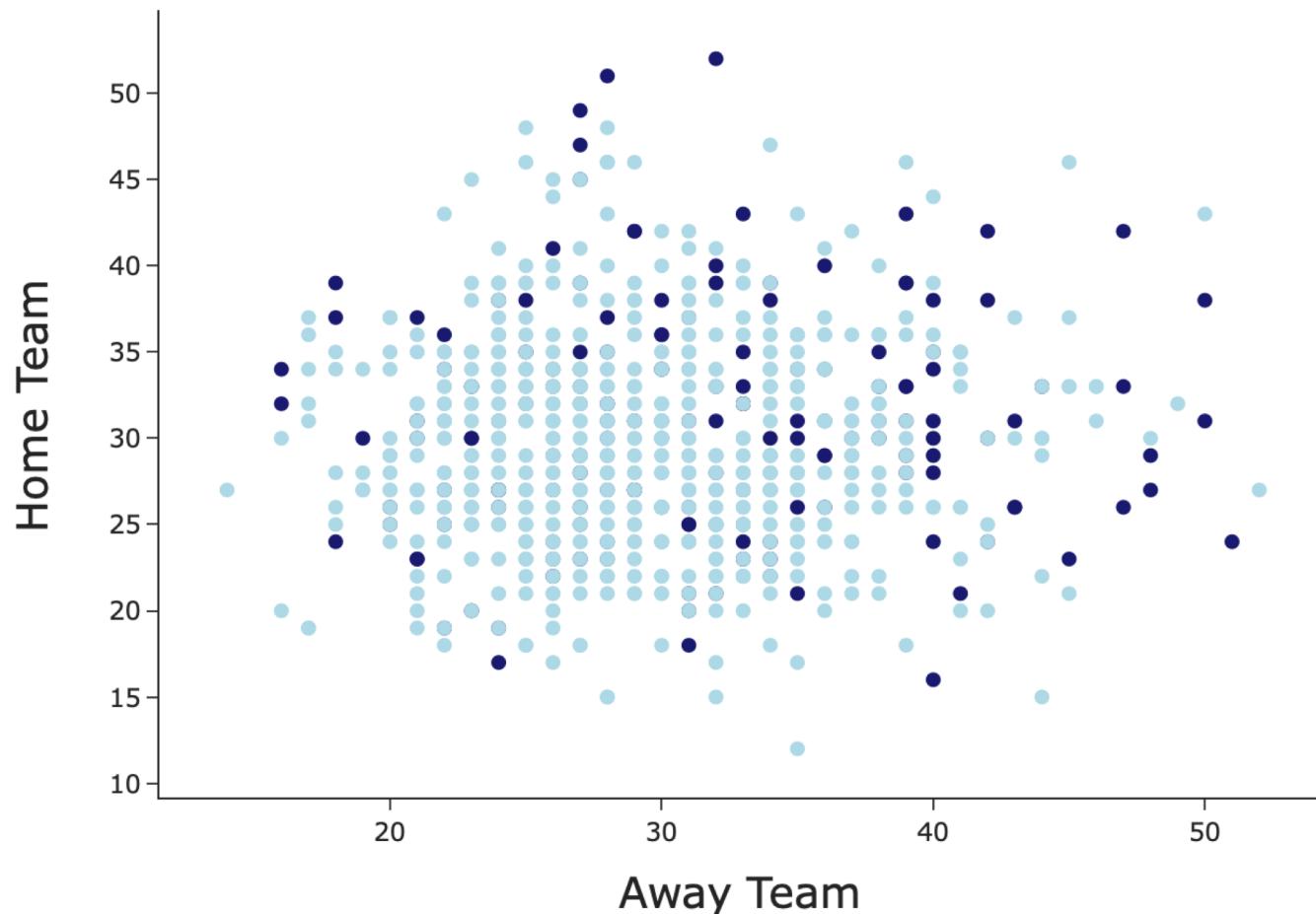




QUESTIONS??

Last Ten Games Goals

NHL Goals For



Last Ten Games Points

