

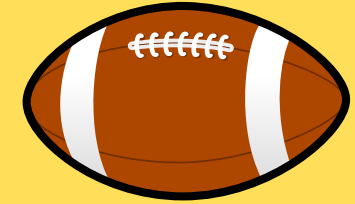
SUNDAY SERVICE

Presented By:

Cooper Thompson & Tom Smith



INTRO



STAKEHOLDER

vs

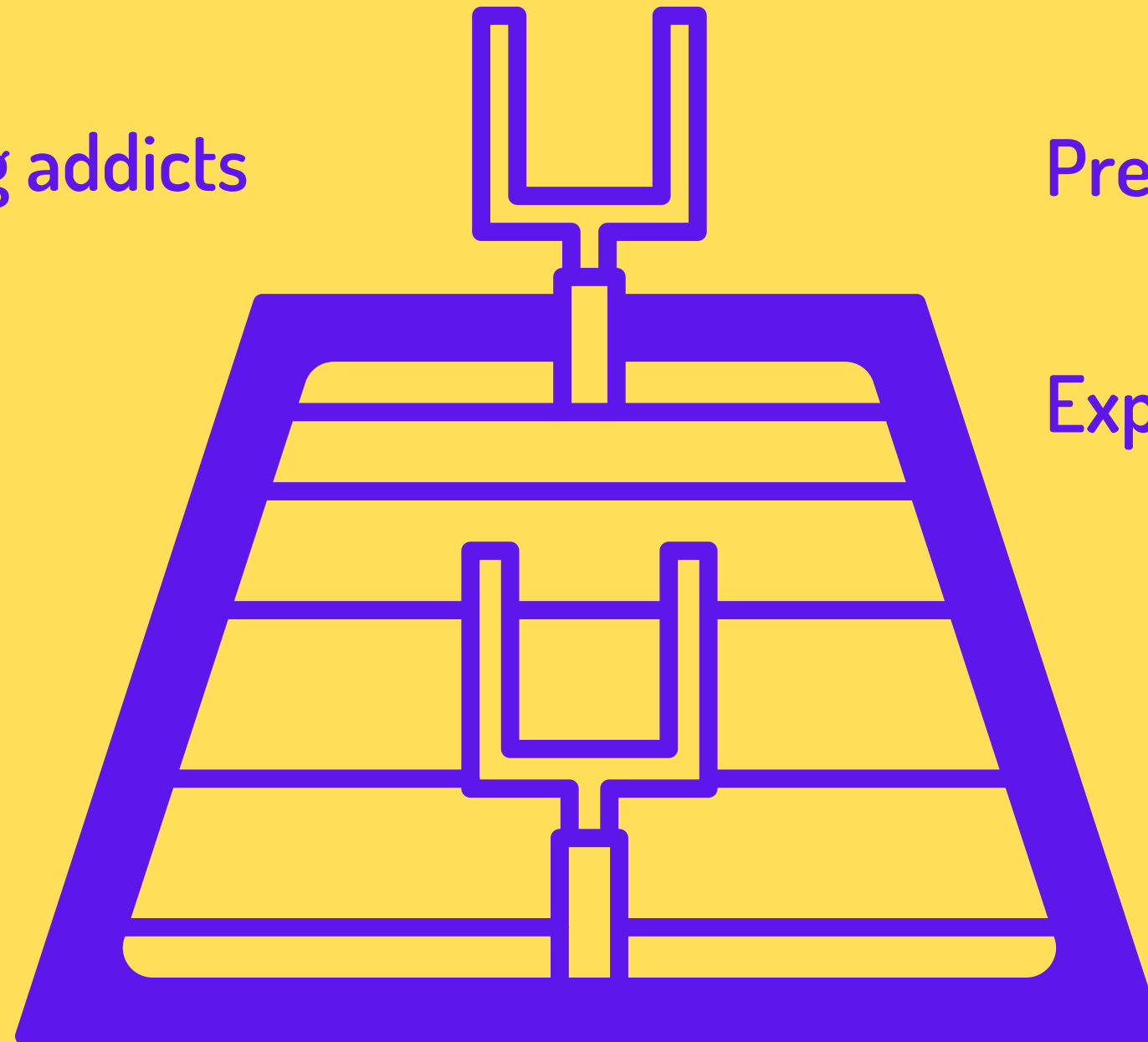
PROBLEM

Degenerate local gambling addicts

Predict outcome of NFL games

John Daniels, specifically

Explore impact of gameday conditions



GOALS



PREDICTIVE MODEL

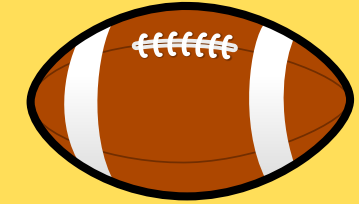
Predict weekly winners

Provide gambling insight

Make bettors money



DATA SOURCES



REAGLES

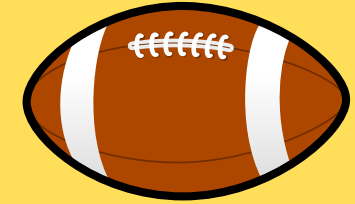
TeamRankings

NFL.com

Pro Football Reference

ESPN

DATA METHODS



FOCUS ON FAVORITE

1

Betting data

2

Weather data

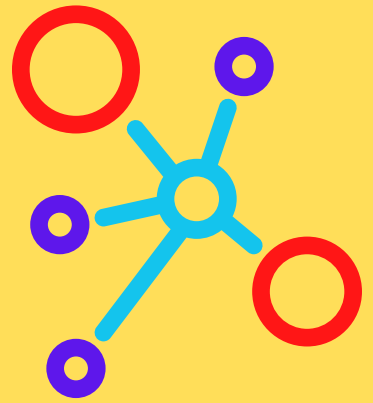
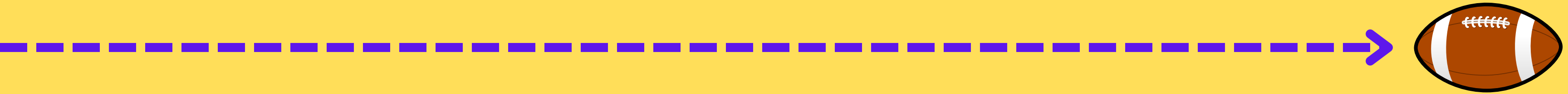
3

Elevation

4

Yearly Rankings

MODEL



Features All Connected



Random Forest Model

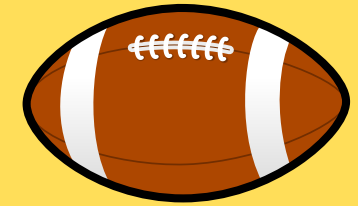


Tree model > Linear model

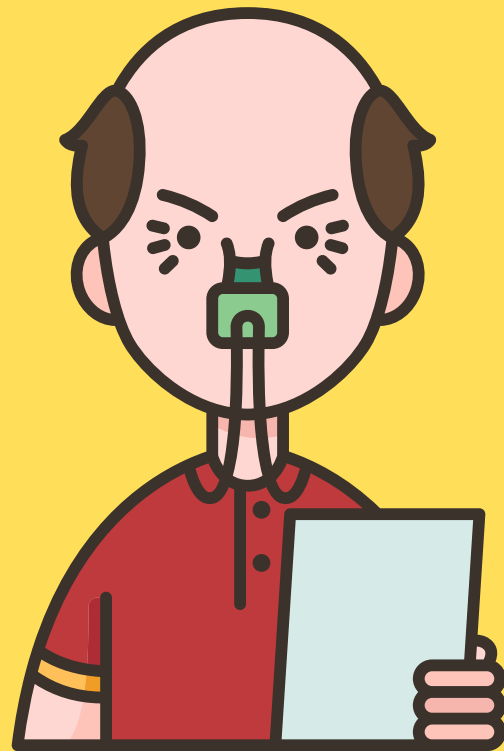


Accuracy score = .67, BUT...

RESULTS



LAST 50 GAMES



Betting Only Favorite

-\$114.44



Our Model

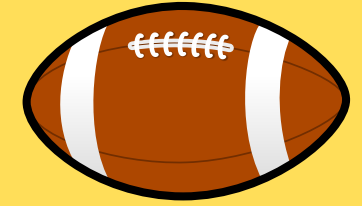
+\$424.88



Difference

+\$539.32

RESULTS

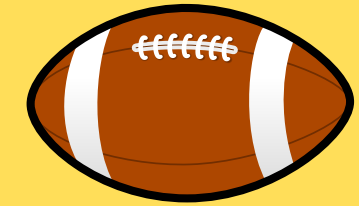


JD

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\$\$

WHAT'S NEXT?



- Formulate a Spread to Odds converter
- Player Data
- Momentum
- Division Game
- Playoffs
- Home Field Advantage Ranking
- Coaching Ranking

