



# PAPA NEEDS A NEW STEREO

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# *BUSINESS UNDERSTANDING*

●●●

**CLIENT**

KAPPA ALPHA ORDER

●●●

**PROJECT**

Create a Statistical Model that will predict the winner of NFL matches. Charge students 10% of their winnings to use the model



# Our Outline

*DATA*

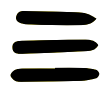
Kaggle

*MODELESS BASELINE  
VS OUR MODEL*

Pick the favorite to win

*RESULTS*

Projections



## DATA CATEGORIES

- Gambling Data (spread, projected outcome, Home Team advantage)
- Conditions Data (temperature and windspeed)

**Goal:** Predict if the favored team will win



# THE DATA

Kaggle:  
NFL games from 1979 to present

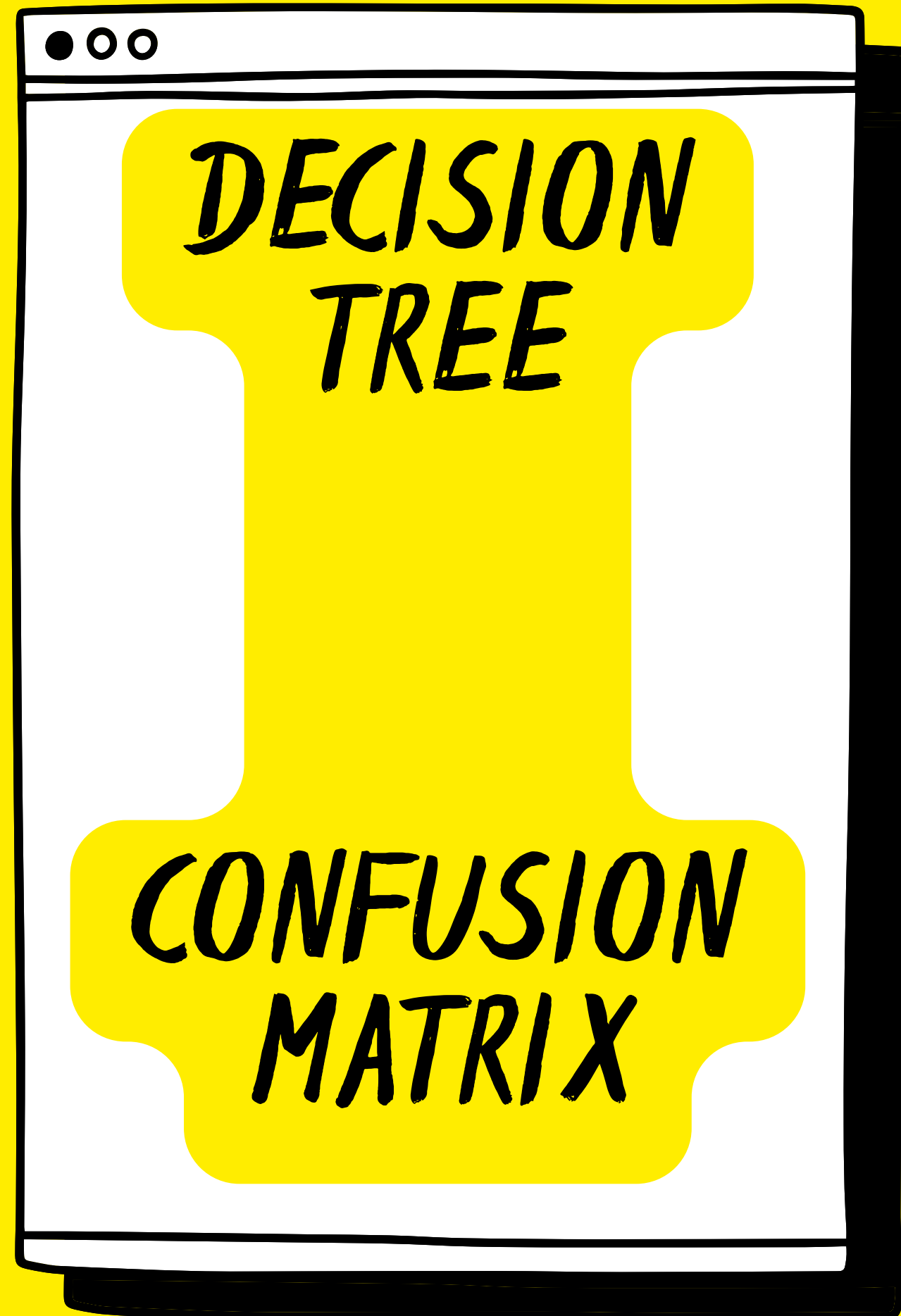




# **MODELESS BASELINE**

**BETTING ON THE FAVORITE EVERY GAME**

**66% ACCURACY**



True Negative	False Positive
485	441
False Negative	True Positive
384	1296

68% Accuracy Score

# CONCLUSIONS

## LAST 60 GAMES (\$50 PER GAME)

- Modeless Baseline:
  - Cost - \$3000
  - Starting Cash + Winnings: \$4000
  - Earnings: \$1000
- Decision Tree Model:
  - Cost - \$3000
  - Starting Cash + Winnings: \$4150
  - Earnings: \$1150

## *NEXT STEPS*

- *POWER RANKINGS*
- *OFFENSIVE/DEFENSIVE SYSTEMS  
(PRO STYLE VS WING-T)*
- *+75% PROBABILITY*

## *MORE DATA*



***QUESTIONS?***