

By: Donya Ahmadi, James Davidson, Kobe Buncu



TOUCHDOWN PROPHET



30

30

TABLE OF CONTENTS



01
OBJECTIVE

02
OUR DATA

03
OUR MODELS

04
STREAMLIT WEB APP

05
CONCLUSIONS

30

40

50

40

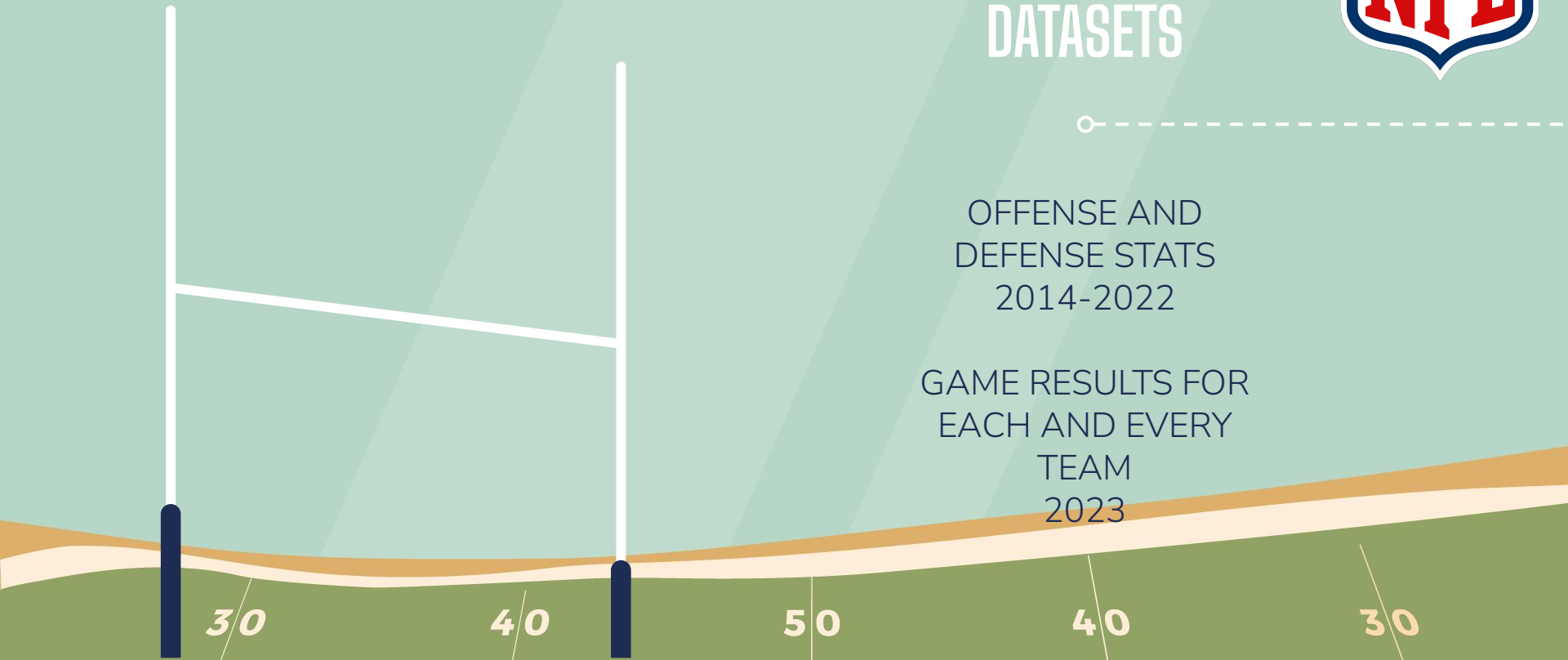
30



INTRODUCTION TO DATASETS

OFFENSE AND
DEFENSE STATS
2014-2022

GAME RESULTS FOR
EACH AND EVERY
TEAM
2023



OFFENSE-DEFENSE

2014-2023

POINTS
SCORED

1st DOWNS

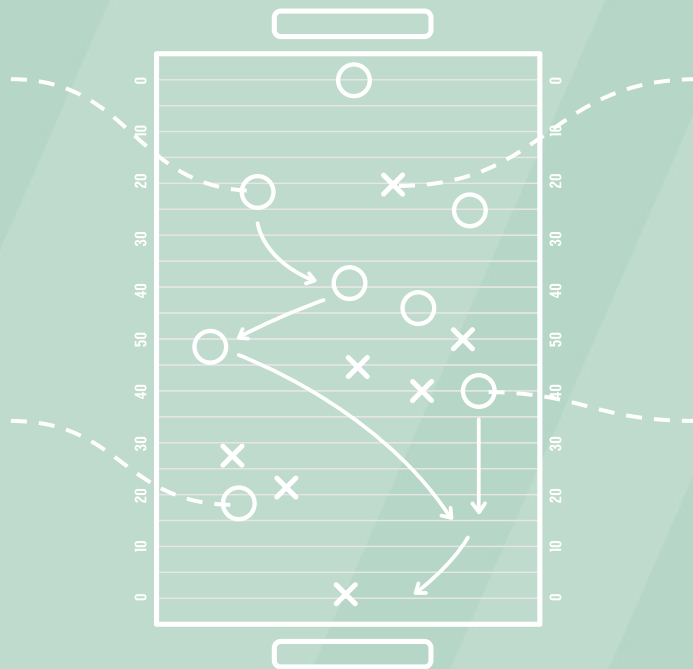
YARDS GAINED

PASSING YARDS

FUMBLES
LOST

RUSHING YARDS

PENALTIES



POINTS
ALLOWED

1st DOWNS ALLOWED

YARDS ALLOWED

PASSING 1st DOWNS ALLOWED

INTERCEPTIONS

RUSHING TD ALLOWED

FIRST DOWNS BY
PENALTY

30

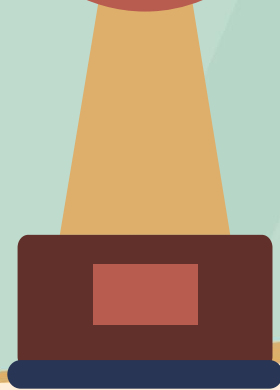
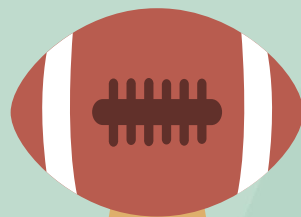
40

50

40

30

SUPER BOWL WINNERS 2014-2023



30

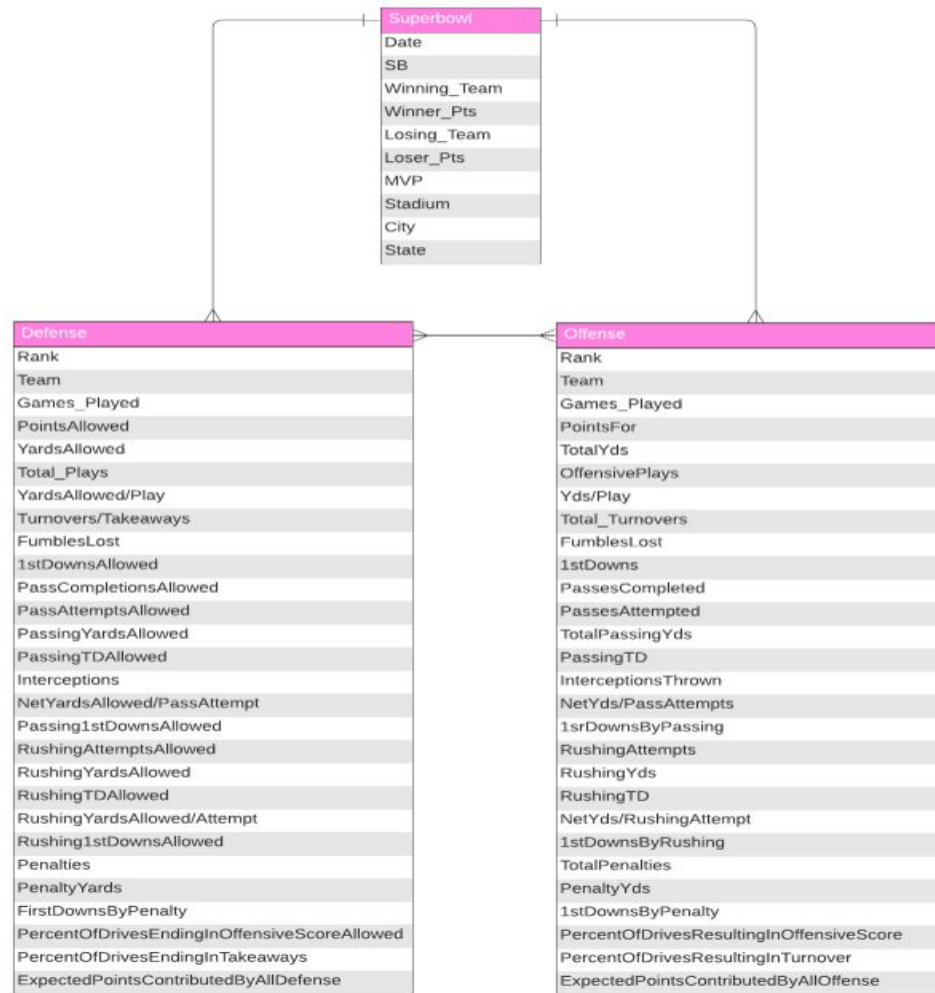
40

50

40

30

Initial Datamap





DATA MAP

OFFENSE
2014-2022

DEFENSE
2014-2022

TRAINING
SET:
LR & ADA
Prediction
Rankings

SUPER BOWL
WINNERS

TEST SET

PREDICT

STANDINGS

OFFENSE
2023

DEFENSE
2023

30

40

50

40

30

GAME RESULTS OF CURRENT SEASON



Team	Week	Result	Record	Opponent	Points Scored	Points Allowed	1st Downs
49ers	1	1	1-0	Steelers	30	7	22
49ers	2	1	2-0	Rams	30	23	21
49ers	3	1	3-0	Giants	30	12	26
49ers	4	1	4-0	Cardinals	35	16	30

30

0

50

40

30

FINAL DATASET



TEAM
OPPONENT



1st DOWNS ALLOWED
TOTAL YARDS ALLOWED
PASSING YARDS ALLOWED



RESULT
POINTS SCORED
POINTS ALLOWED
1st DOWNS
TOTAL YARDS GAINED
PASSING YARDS
RUSHING YARDS
TURNOVERS LOST

RUSHING YARDS ALLOWED
TURNOVERS GAINED



LR STANDING PREDICTION
ADA STANDING PREDICTION

30

40

50

40

30



DATA MAP

GAME RESULTS OF
CURRENT SEASON

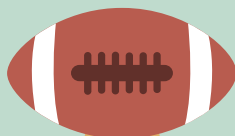
PREDICTED
STANDINGS

FINAL
DATASET
FOR ML

MACHINE
LEARNING

ROAD TO
SUPER BOWL

PREDICT
THE WINNER



30

40

50

40

30

MACHINE LEARNING MODELS



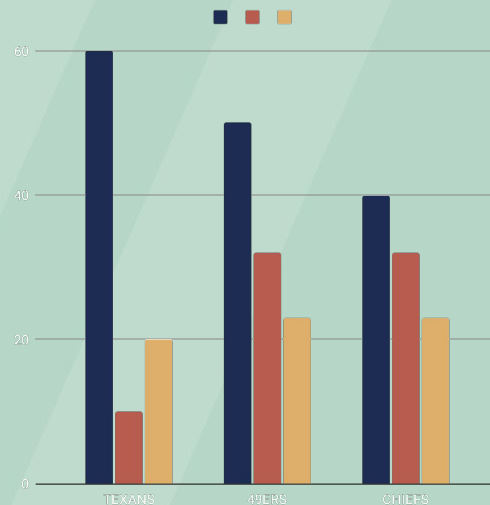
LINEAR
REGRESSION



XGBOOST



MLP
REGRESSOR



30

40

50

40

30



STREAMLIT APP

(TOTALLY NOT FOR BETTING PURPOSES)

(SERIOUSLY DAWG, NOT AT ALL...)



STREAMLIT



Super Bowl or Single Game Match-up



49ers



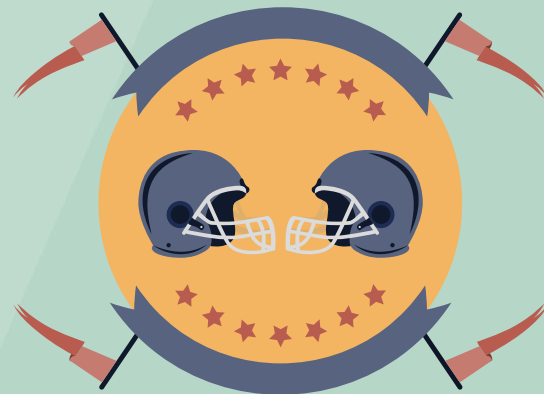
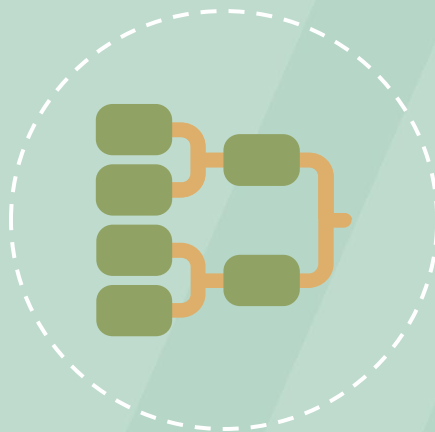
CHIEFS



HOU



DAL



30

40

50

40

30

05 GO TEXANS

HOME

20

DOWN

01

12:34

TO GO

00

BALL ON

21

VISITOR

15

QTR

04

DEMONSTRATION
TIME

30

40

50

40

30



STRENGTHS

- NEW SEASON, STATS UPDATED WEEKLY
-



WEAKNESSES

- HUMAN FACTOR (PATRICK MAHOMES)
- WEATHER
- INJURIES

30

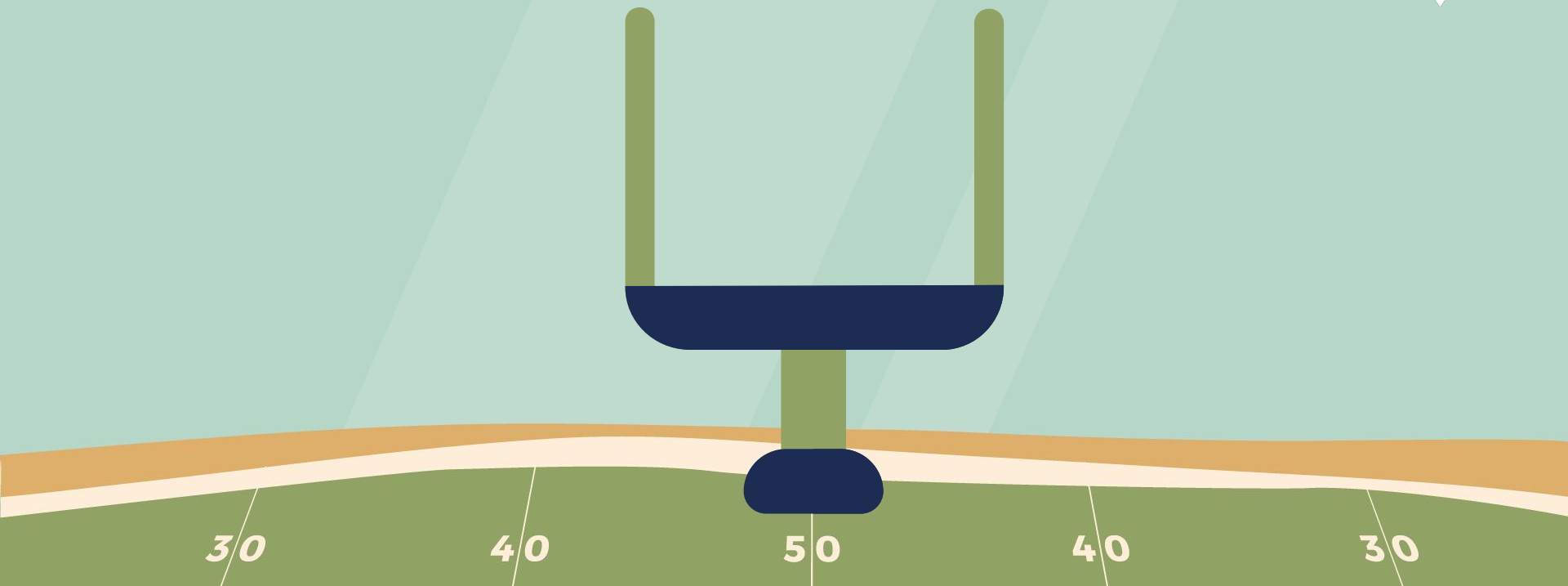
40

50

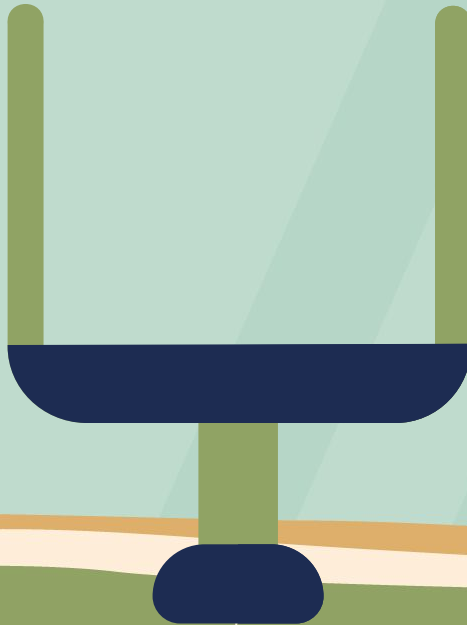
40

30

CONCLUSIONS



THANKS!



30

40

50

40

30