Foxy Stats

USA FOOTBALL

Player Performance Analysis

May 30, 2024

Foxy Stats

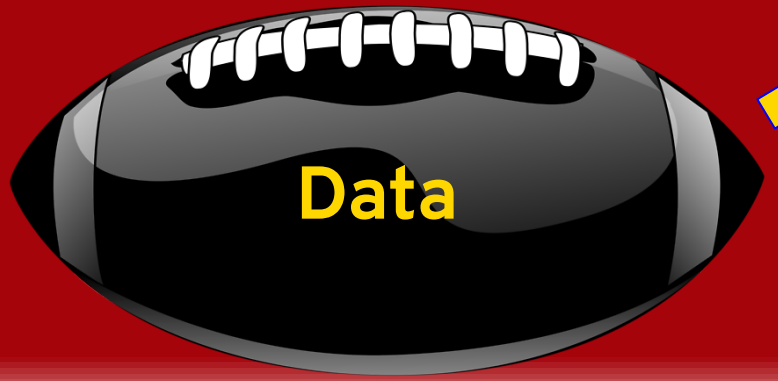
Daniel Fox

Bottom Line

- ★ Quarterbacks with high season passing totals
- ★ Runners with high touchdowns per carry
- ★ Receivers with high touchdowns per catch

Agenda

Business Problem


Data

Analysis

Recommendations

Future Steps

Business Problem

Bring Home The GOLD

- Team USA is gearing up for 2028 flag football
- We want to dominate like the early days of international basketball

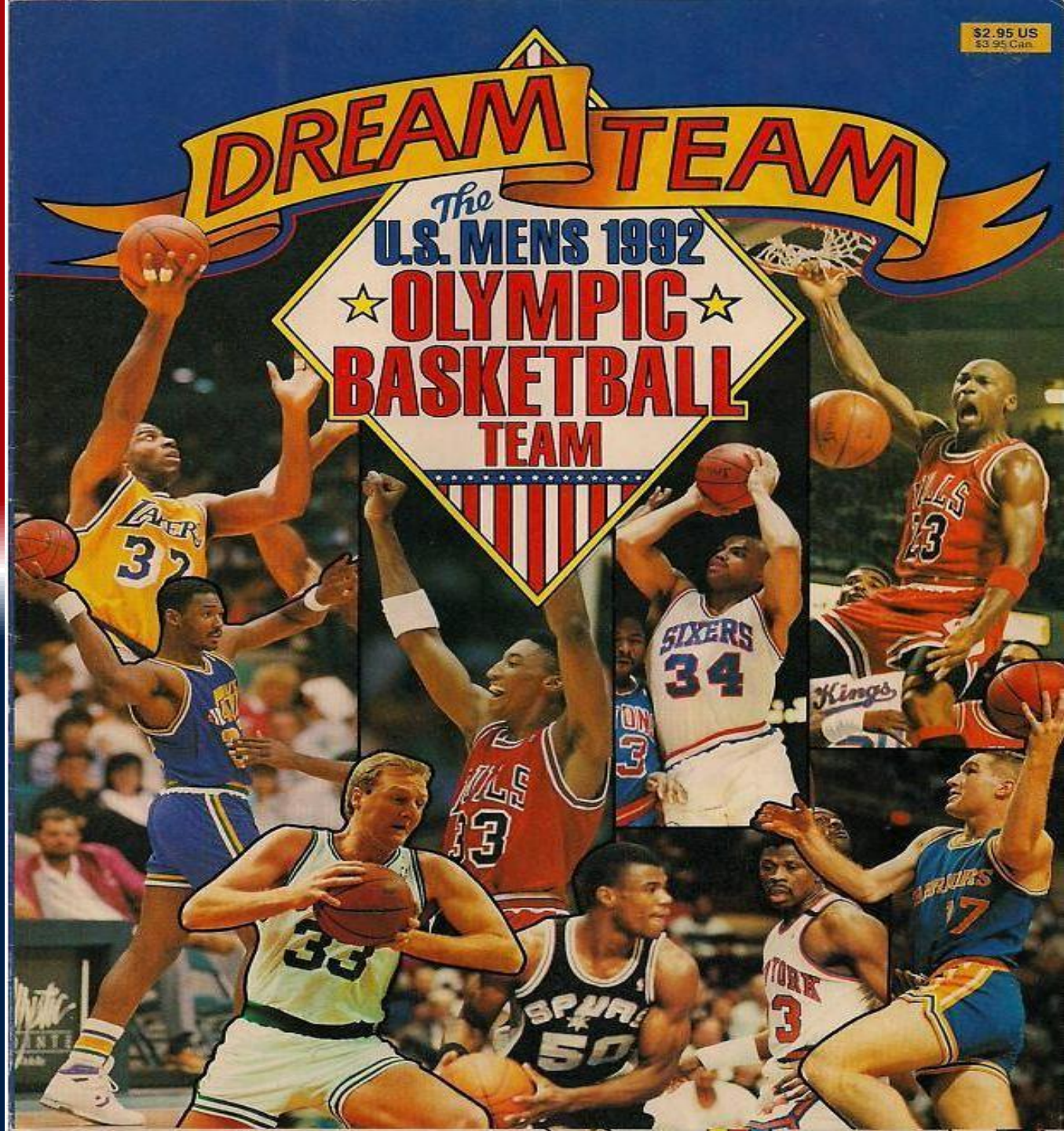
Business Problem | Data Overview | Analysis | Recommendations | Future Steps

Data Overview

Data Overview

- Data from nflverse
- Collection of stats from 1999-today
- Limited by having only offensive stats

Analysis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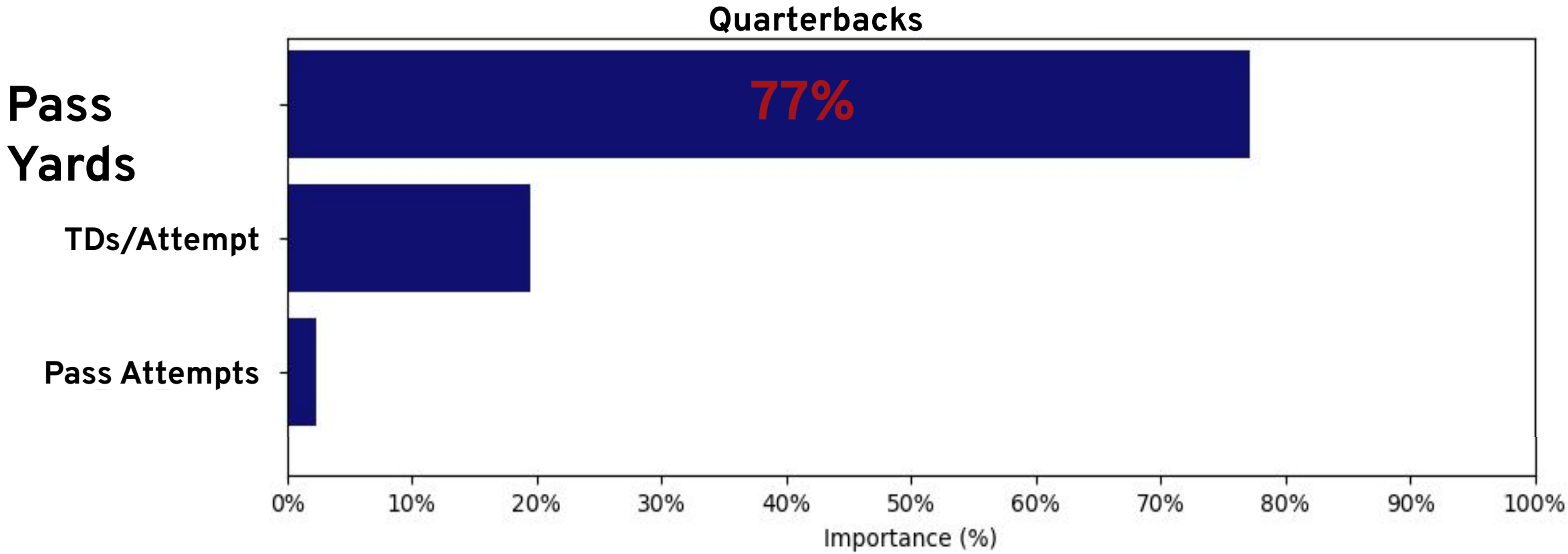
DREAM TEAM
The
U.S. MENS 1992
OLYMPIC
BASKETBALL
TEAM
SIXERS
34
Kings

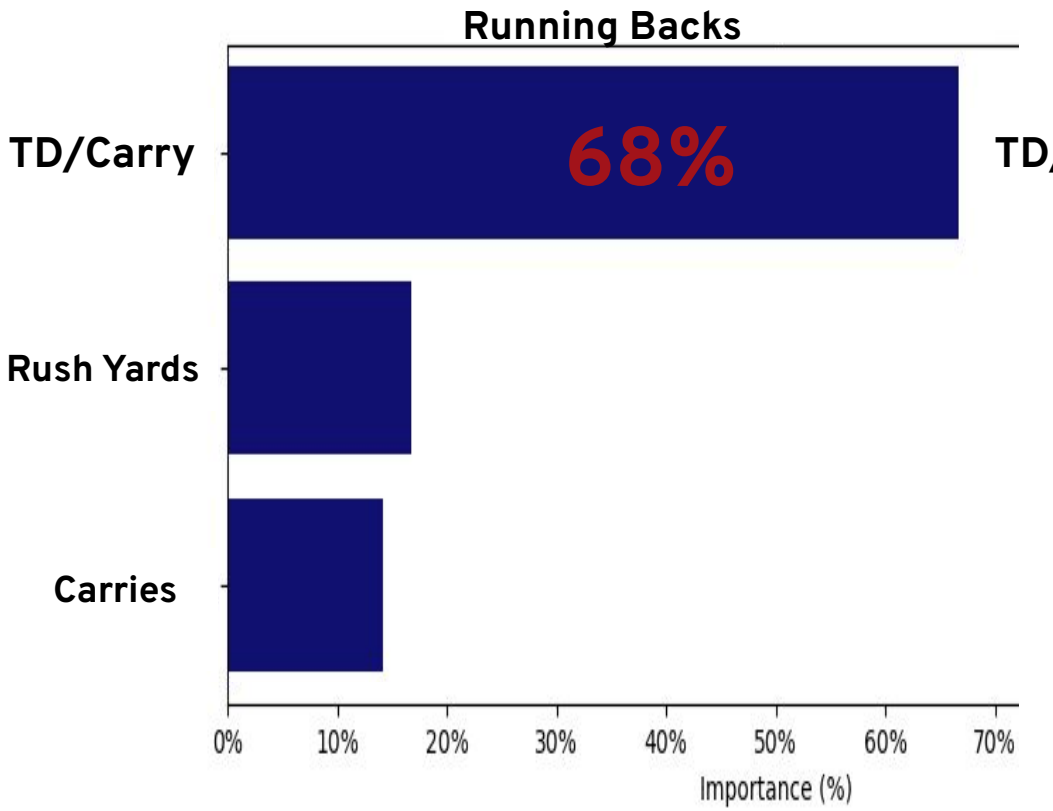
The Modeling Process

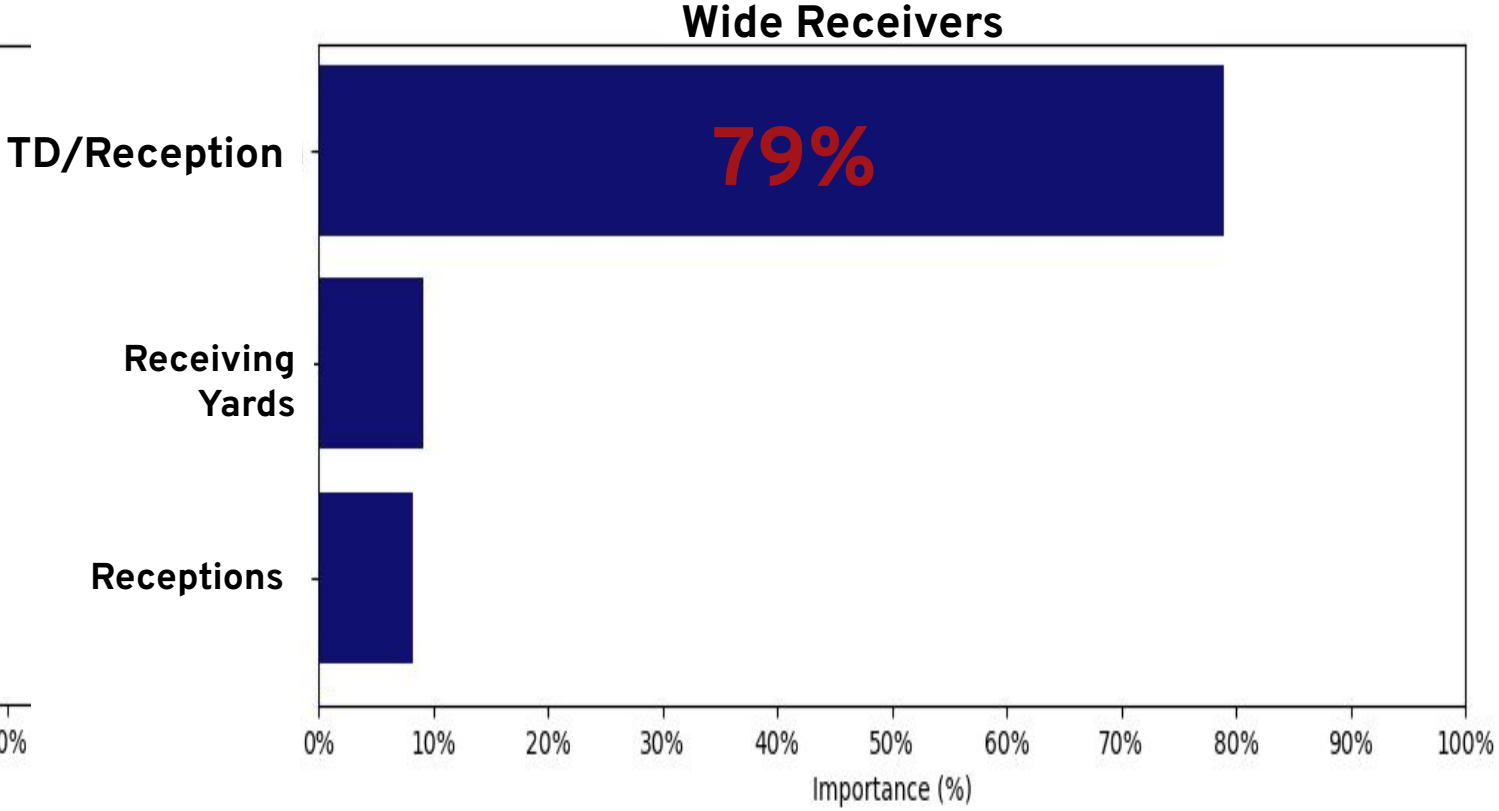
- ★ Model: Random Forest Regressor
- ★ Metrics: Root Mean Squared Error
- ★ Model specific to skill positions

Toss the rock!!



GO! ALL! THE! WAY!





Recommendations

Quarterbacks
Patrick Mahomes

- ★ Consistently throwing 35+ TDs
- ★ Led league twice in last 6 years

Similar players include

- ★ Jared Goff
- ★ Justin Herbert

Rushers

Derrick Henry

- ★ Top 5 last 6 years
- ★ Led league in 2020

Similar players include

- ★ Alvin Kamara
- ★ Austin Ekeler

Receivers

Davante Adams

- ★ Most consistent throughout career
- ★ Led league 2 of the last four years

Similar players include

- ★ Ja'Marr Chase
- ★ AJ Brown

Future Steps

Brisbane 2032
Olympic and Paralympic Games Host
Queensland

Once we win the gold…..

- ★ Run it back in four years!
- ★ Add stats on missing positions (Defense, Kickers)
- ★ Consider older players for coaching positions

Questions?