CIN

AFF

CHI

AFF

DAL

AFF

BEH

BEH HW

BEH HW

CCH

HW

Team Advantage Scores Organized by Win Record

ССН

LAC

PHI

AFF

HOU

AFF

AFF CCH

BEH HW

BEH HW

BEH HW

CCH

ARI

BEH

KC

AFF CCH

AFF CCH

BEH HW

CCH

AFF

BEH

DET

AFF

CCH

MIN

AFF CCH

BEH HW

Path to Victory - Factors that Make Winning Teams in the National Football League

There Is No Substitute for Victory – The NFL is one of the most commercially valuable sports leagues in the world, and victory is its primary currency. Each of the league's 32 teams spend millions of dollars each year with the goal of winning the most games and, ultimately, the Super Bowl. Discovering and capitalizing on the factors that most directly correlate to wins is essential for NFL teams and their dedicated fans. Which of the most common advantages most directly contribute to teams' success? Does the data support these stereotypes? Data from every NFL game played from 1950 – 2021 allows us to answer some of these questions.

CCH

HW

CCH

HW

ССН

Authors: Miguel Avila **Genna Moellering** Shaorui Pi

Takeaways

2010 - 2015 Seasons

#1 - New England

#32 – Jacksonville

Consistently High for

Home Field Advantage

is Universal for Good

Good Teams Are Not

Always Unaffordable

Bad Teams Have More

70 Wins (77%)

22 Wins (27%)

Winning Teams

and Bad Teams

Bad Behavior

✓ Coaching rating

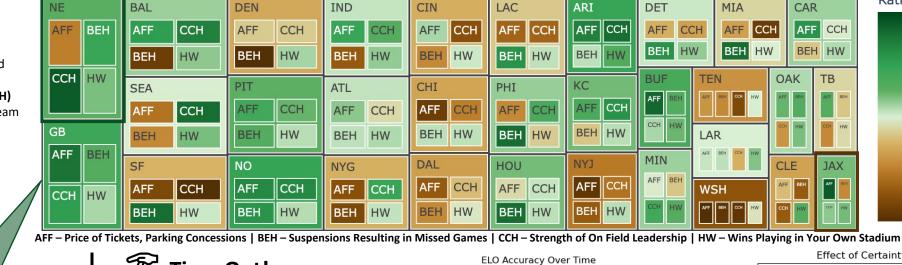
Scouting Report

- 1) Home Field Advantage (HW) How Much Does It Matter?
- Show Me the Money (AFF) Do Teams with Fans Who Spend More. Win More?
- Do the Crime, Do the Time (BEH) Does Player Behavior Impact Team Performance?
- Leading From the Front (CCH) How Important is Coaching to Team Success?

Head-to-Head Matchup **Best vs Worst** New England Patriots vs.

Jacksonville Jaguars Affordability Patriots Jaguars Behavior Home Wins

Home Field Performance is the Same Even for the Best and Worst Teams in the League

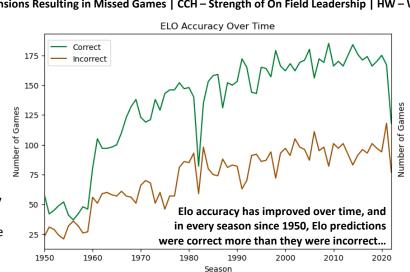


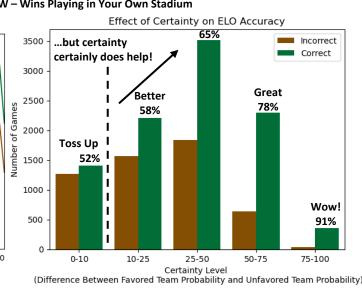
Most Winning Teams

Time Out!

What About the Elo? - The Elo rating system calculates the relative skill levels of opposing players and predicts game outcomes. How does it perform here?

- ✓ Elo outcomes from 1950-2021
- ✓ On average, team Elo ratings accurately pick the winning team 65% of the time.
- Elo accuracy improves with certainty (higher probability percentages)
- Elo has gradually improved over time with some anomalies (1960 Spike & 1982 Drop)





Rating

100

Most Losing

CLE

CAR

AFF CCH

BEH HW

JAX

MIA

LAR

WSH

AFF CCH

BEH HW

Huddle Up!

At the end of the game, there's no perfect metric capable of predicting a team's winning record, although coaching performed best of the advantages we evaluated. There's a plethora of data available in the NFL, but even the most confident Elo ratings are not foolproof. Make your bets based on the Elo, but still tune in to watch a game where the unexpected can always happen!

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