





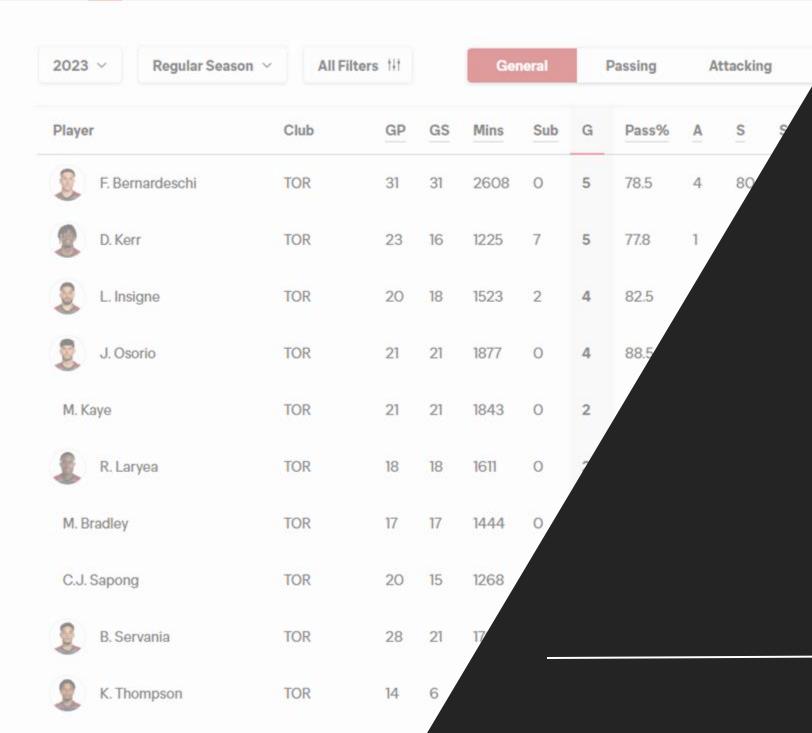


Club

Schedule

TOR

A. Akinola



AI-DRIVEN GAMEINSGHIS

Enhancing Strategic Planning with Data





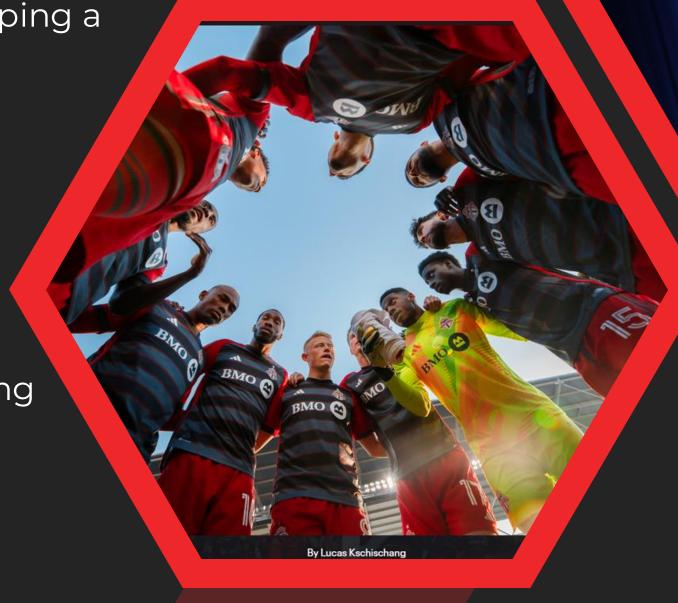
INTRODUCTION

In week 8 we are to identify key features for understanding opponents' playing styles, formations, and tactics in developing a tailored AI solution for

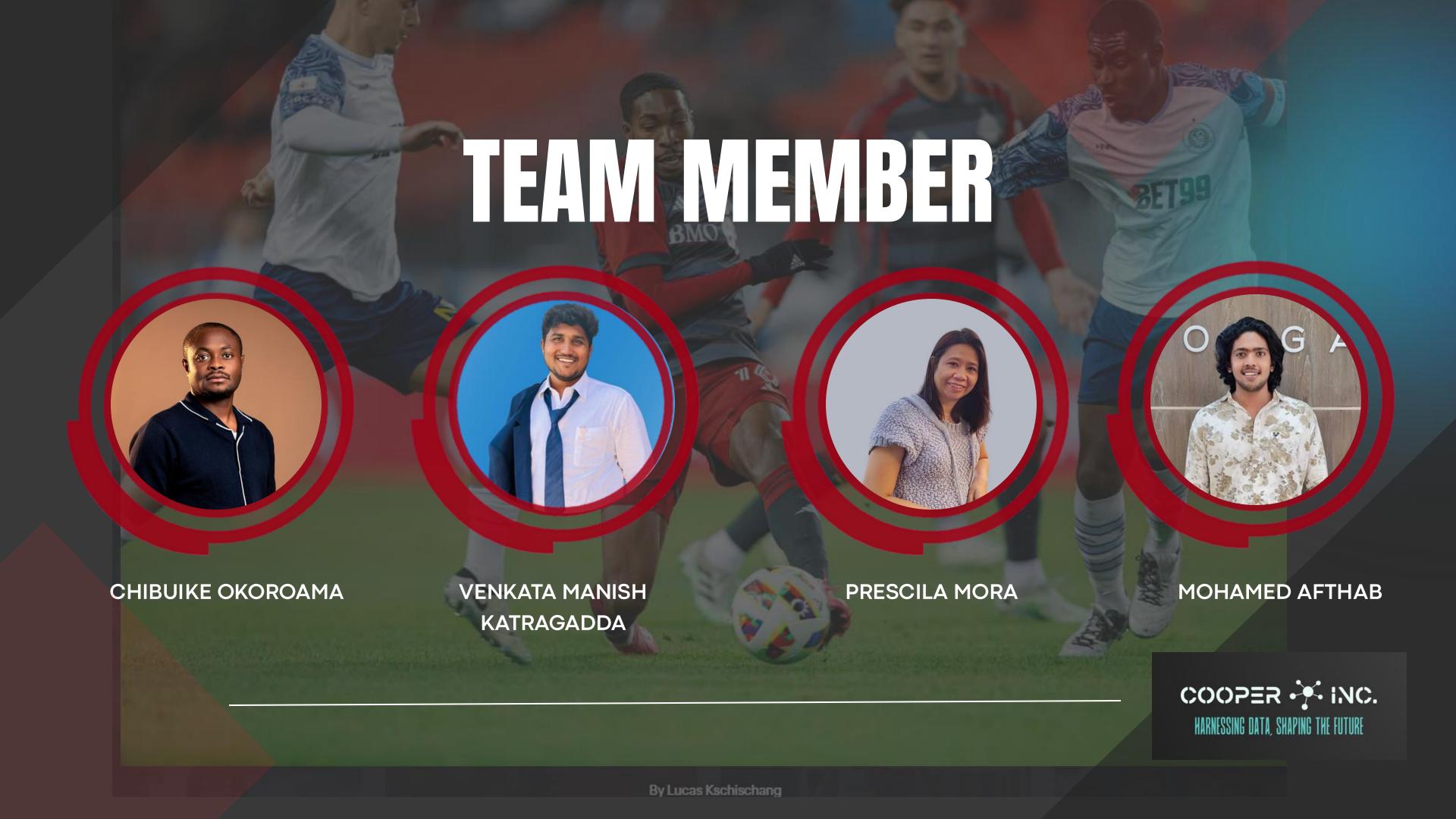
Toronto FC.

Choose a tailored machine-learning model that aligns with the specific needs of Toronto FC.

Present key findings from the identified features and showcase the selected machine learning model, illustrating how these elements can provide the coaching staff with actionable insights into opponents' playing styles.







KEY FACTS



GAME WINNING STATISTICS

2024 Season

Toronto FC has an average

11 wins

3 draws

16 losses

placing them

8th out of 29 teams in the MLS Table

winning 37% of their matches

CANADIAN CHAMPIONSHIP

2009, 2010, 2011, 2012, 2016, 2017, 2018, 2020



8 TIMES

SUPPOTER'S SHIELD

Best regular season record



2017



OBJECTIVE

IDENTIFY
KEY
FEATURES

of Opponents' playing Styles PICK
SPECIFIC
ML
for
Toronto
FC

PRESENT
ACTIONABLE
INSIGHTS
using a
tailored
machine
learning

model





LEVERAGE AI FOR GAME PLAN





Formations, key players, and tactical patterns

Tailor



Game strategies to exploit identified weaknesses.

Predict



Deliver



Insights during matches for tactical adjustments.



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IDERTIFY VALUABLE DATA

Gather data from match statistics and player metrics

Identify historical trends and predictive patterns

Corner Kicks
data to identify
key patterns

Data comes in both structure and unstructured

https://www.mlssoccer.com/stats/

https://www.torontofc.ca/stats/

DENTIFY KEY FEATURES



Player-Level

Team-Level

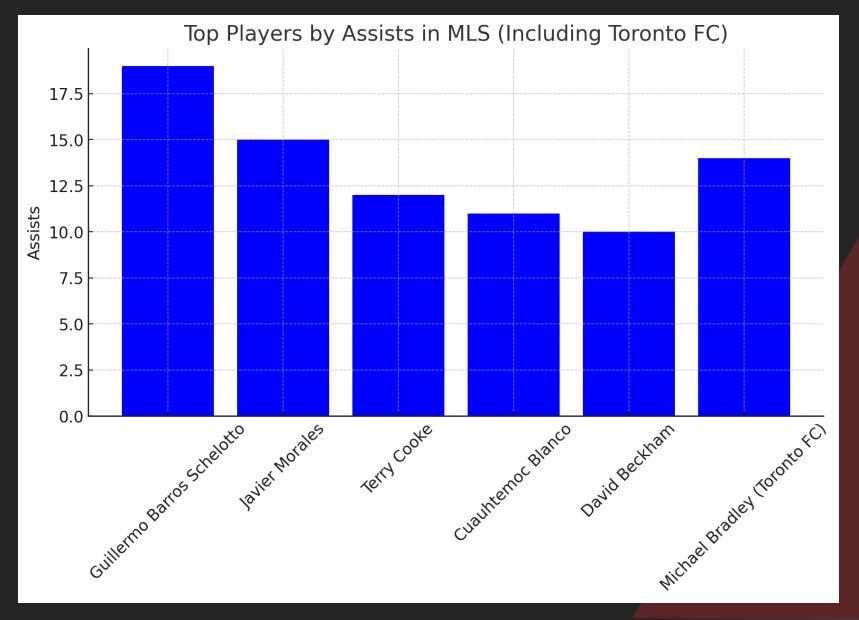
Match Context

League-wide

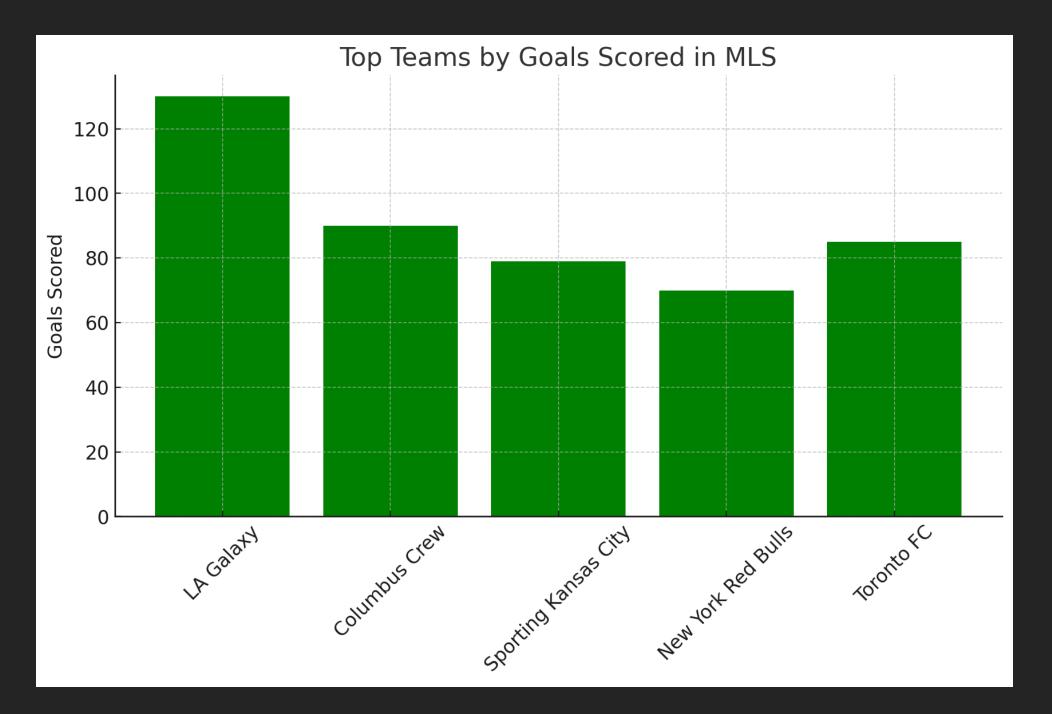


PLAYER-LEVEL

- Assists
- Pass Completion Rate
- Tackles Won
- Shots on Target
- Field Movement
- Speed
- Stamina
- Strength







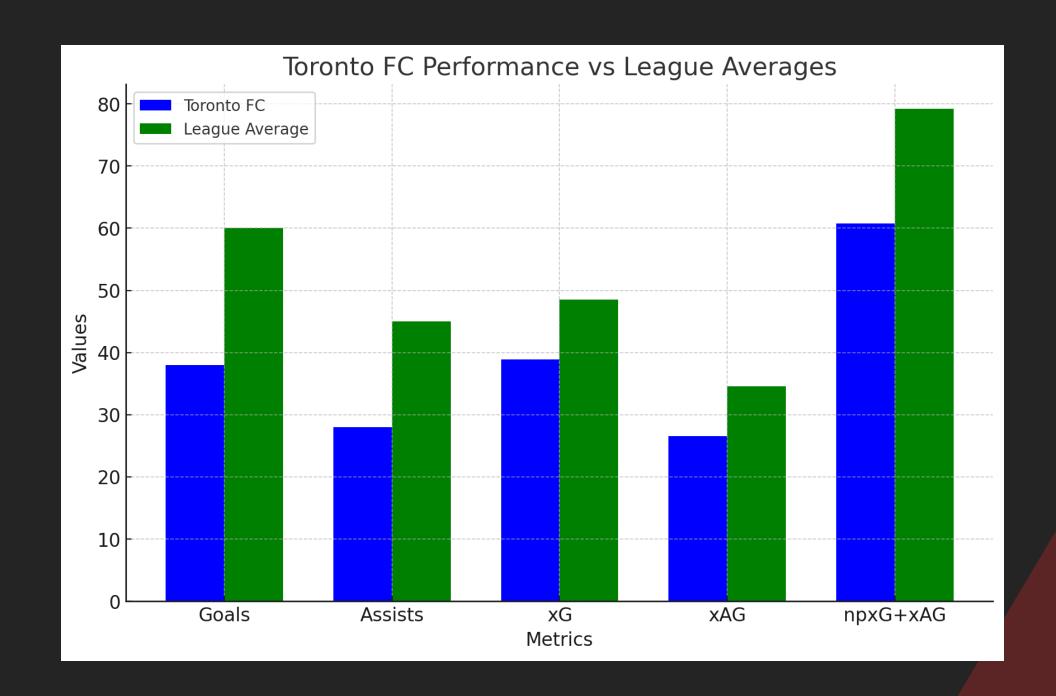
TEAM-LEVEL

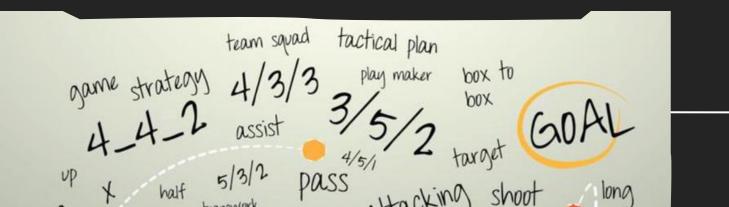
- Formation frequency and variations
- Goal Score
- Ball Possession
- Attacking Patterns
- Defensive strategies
- Offensive effectiveness
- Defensive effectiveness



MATCH CONTEXT

- Home/away performance differences
- Performance against different playing styles
- Weather conditions and their impact on team performance
- Time-based performance (e.g., first half vs. second half, performance in final minutes)

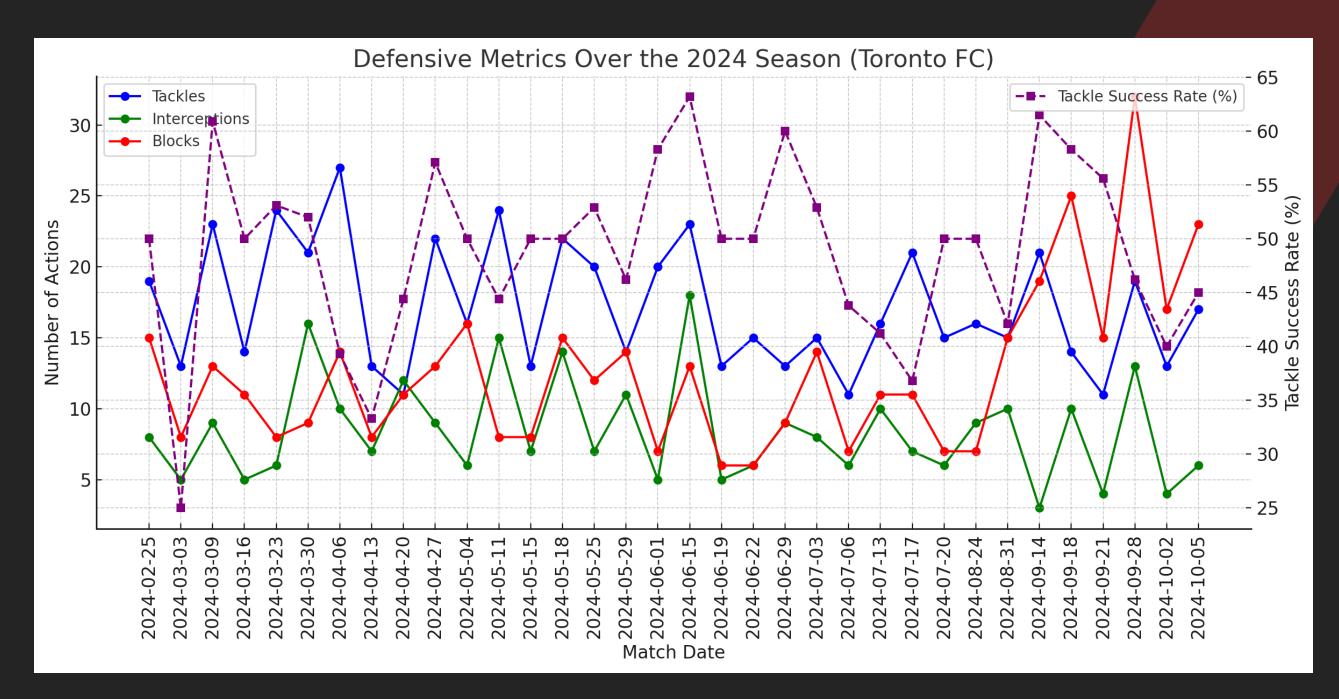






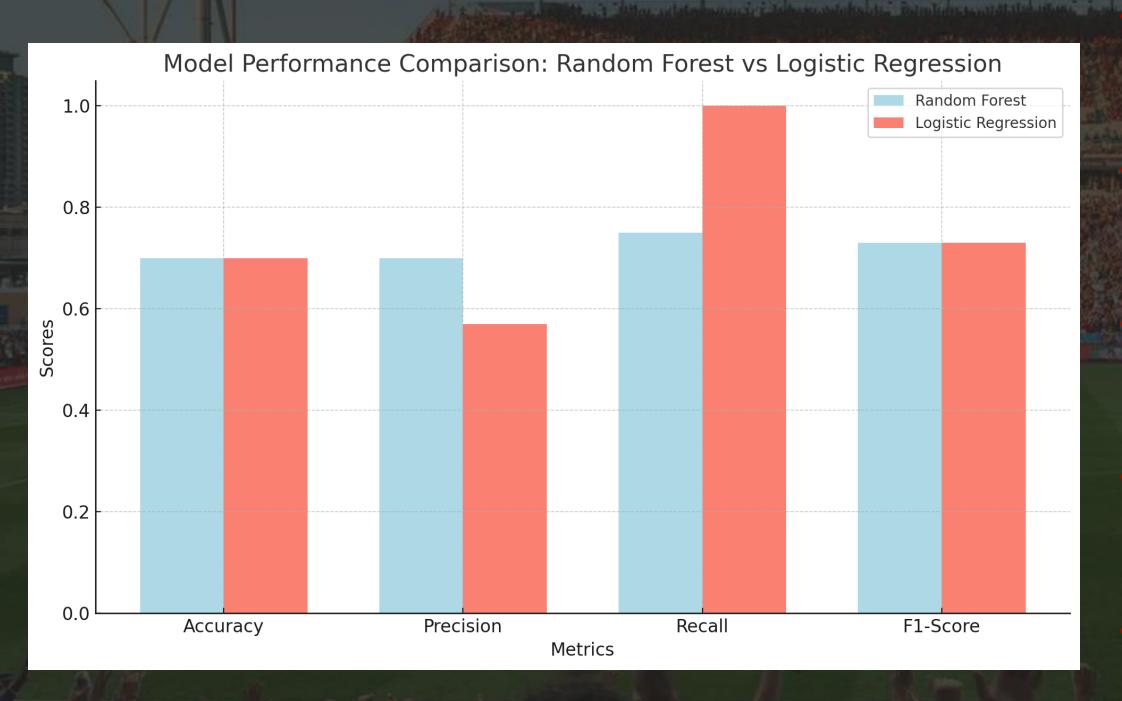
COOPER • INC. HARNESSING DATA, SHAPING THE FUTURE

LEAGUE-WIDE



- Formation frequency and variations
- Ball Possession
- Attacking Patterns
- Defensive strategies
- Offensive effectiveness
- Defensive effectiveness





Random Forest

Consistent performance across all metrics

Logistic Regression

Strong recall for Loss/Draw, weaker precision

Accuracy

Both models perform well at 70%

Precision (Win)

Random Forest outperforms at predicting wins

Recall (Loss/Draw)

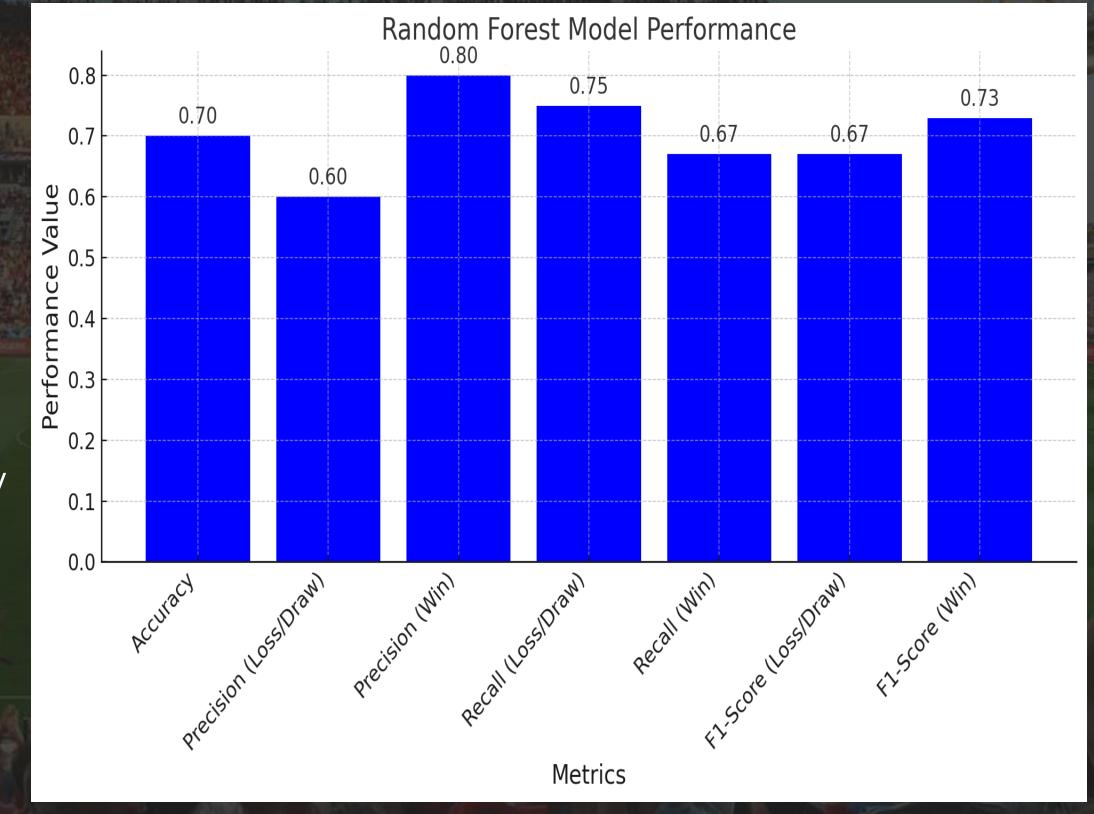
Logistic Regression excels at detecting Loss/Draw



PICKSPECIFICM

- Accuracy

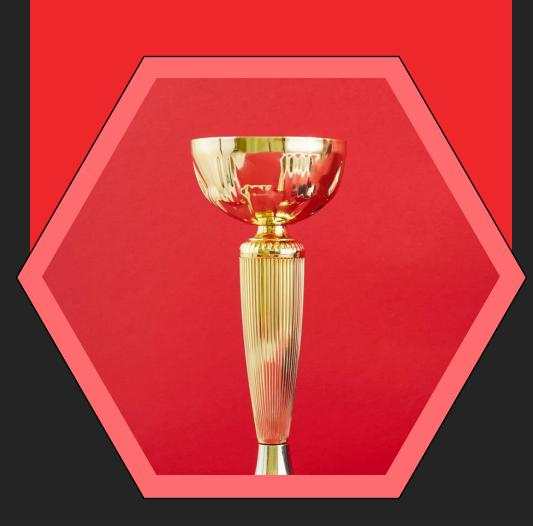
 Correct 7 out of 10 times
- Precision (Wins)
 Strong at predicting wins
- Precision (Loss/Draw)
 Moderate accuracy
- Captures most wins
- Recall (Loss/Draw)
 Strong at catching Loss/Draw
- Reliable for wins
- FI-Score (Loss/Draw)
 Reliable for Loss/Draw





ACTIONABLE INSIGHTS

- Boost Confidence in Winning Plays
- Prepare for Risk
- Balanced Predictions
- Data-Driven Decisions







CONCLUSION



Toronto FC will have an edge to win championships by leveraging to empower Aldriven insights, optimize performance, and stay ahead of the competition



THANK TO

REFERENCES

Enhanced Sports Predictions: A Comprehensive Analysis of the

Role and Performance of Predictive Analytics in the Sports Sector

| Wireless Personal Communications (springer.com)

List of Toronto FC records and statistics - Wikipedia



