

# ETERNALS

15 MAY, 2025

# Predicting Match Outcomes in the English Premier League

# PROBLEM STATEMENT

This project aims to predict the outcome of English Premier League (EPL) matches whether a team will Win, Draw, or Lose using match statistics.

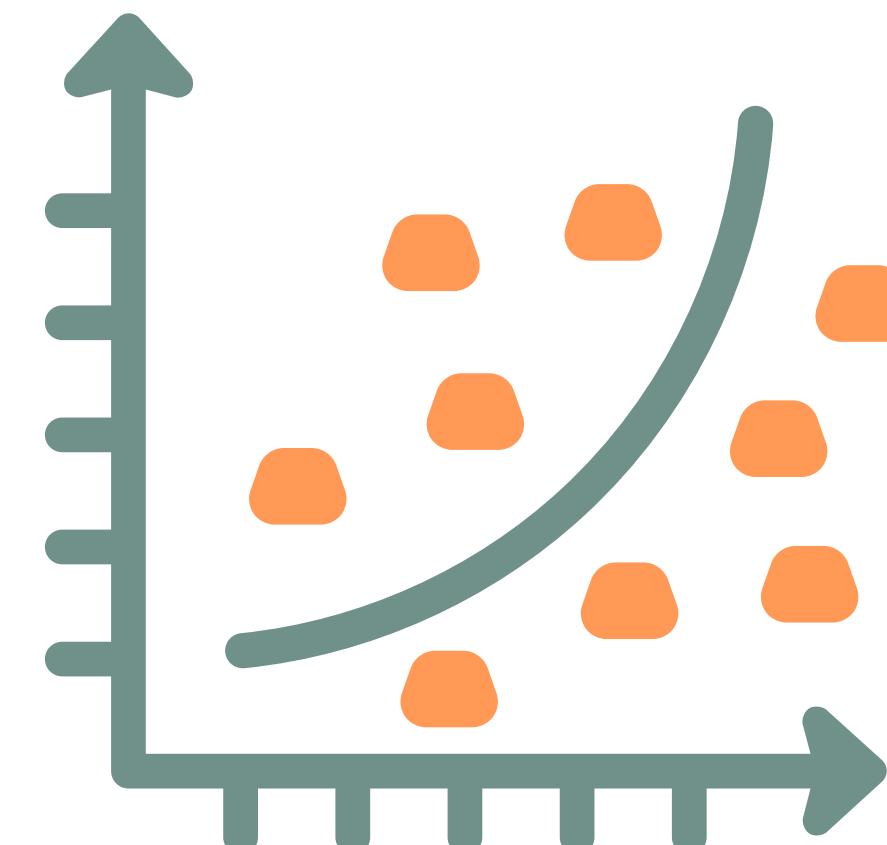
# TYPE OF PROBLEM & STATISTICAL MODELS

## PROBLEM TYPE:

- Classification: To predict match outcome (Win, Draw, Loss)
- Regression: To estimate the number of goals scored

## STATISTICAL MODELS:

- Logistic Regression – for match outcome classification
- Linear Regression – for predicting goals scored by a team



# LOGISTIC REGRESSION:



A classification model used to estimate the probability of a categorical outcome. In this case, it will classify match results as Win, Draw, or Loss based on team statistics.

# LINEAR REGRESSION:



A model that predicts a numerical outcome based on one or more predictors.

We'll use it to estimate the number of goals scored by a team in a match.



# THANK YOU

FOR YOUR ATTENTION

