



¡Hala Madrid!...y nada más

Forecasting Data: The Art of Goalscoring, Assisting, and Rating from **Karim Benzema**

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What do we need to know?

01

What is forecasting data?
Why is it so important?

02

What is Goalscoring and Assist?
How does G/A affect player's rating?

03

Is there any correlation
between correlation between
football player and
forecasting data?

The Data

Years	Goals and Assists	Rating
2009	13	7.18
2010	27	7.28
2011	40	7.61
2012	29	7.15
2013	36	7.37
2014	35	7.56
2015	35	7.41

Years	Goals and Assists	Rating
2016	21	7.09
2017	21	7.1
2018	33	7.39
2019	36	7.5
2020	49	7.48
2021	56	7.86
2022	27	7.31

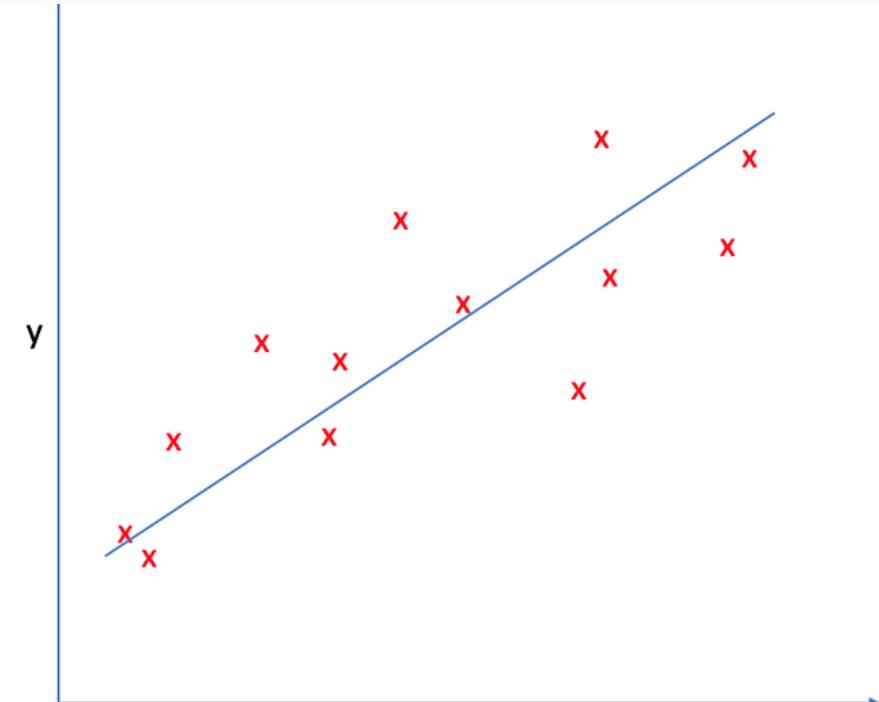
Forecasting

Qualitative



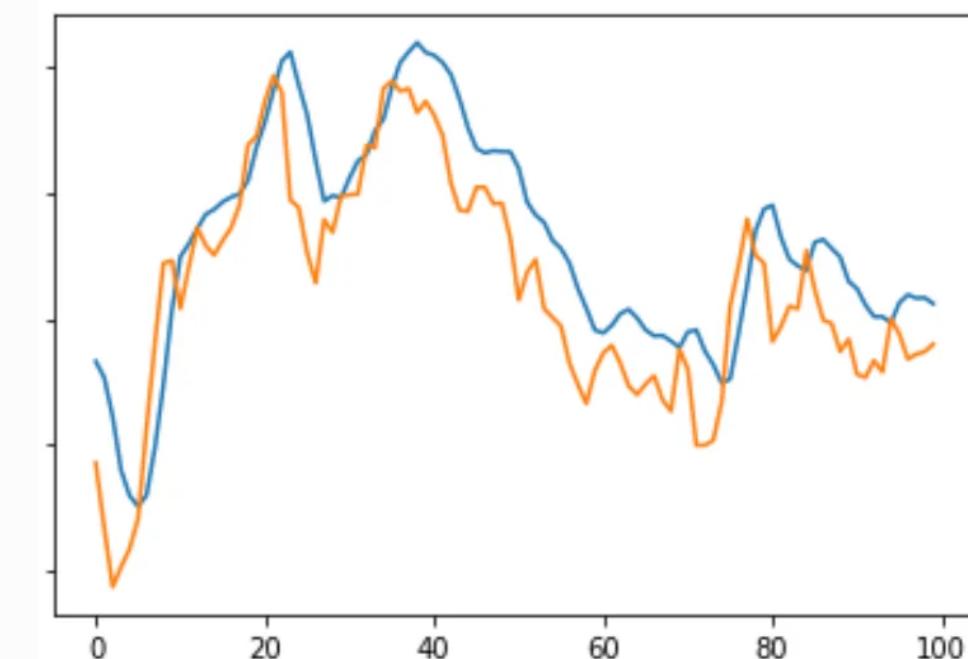
Qualitative forecasting involves using subjective judgments, opinions, and expertise to predict future events or trends.

Quantitative: Linear Regression



Predict the value of a variable (dependent variable) based on the value of another variable (independent variable).

Quantitative: Time-Series



Prediction technique which utilizes historical and current data to predict future values over a period of time or a specific point in the future.

A professional soccer player with a beard, wearing a white Real Madrid home jersey, is captured in a moment of triumph. He has his mouth wide open, likely shouting or cheering, and his arms are raised in a 'V' shape. The jersey features the club's crest, the 'Emirates' sponsor logo, and the 'adidas' brand logo. The background is a blurred stadium with spectators.

FORECASTING
RESULT

QUALITATIVE



As a striker, Benzema main purpose is to score goals. In the world of football, striker's ability is measured by the amount of his/her goals and assists.



Therefore, goals and assist **DO** affect player's rating.

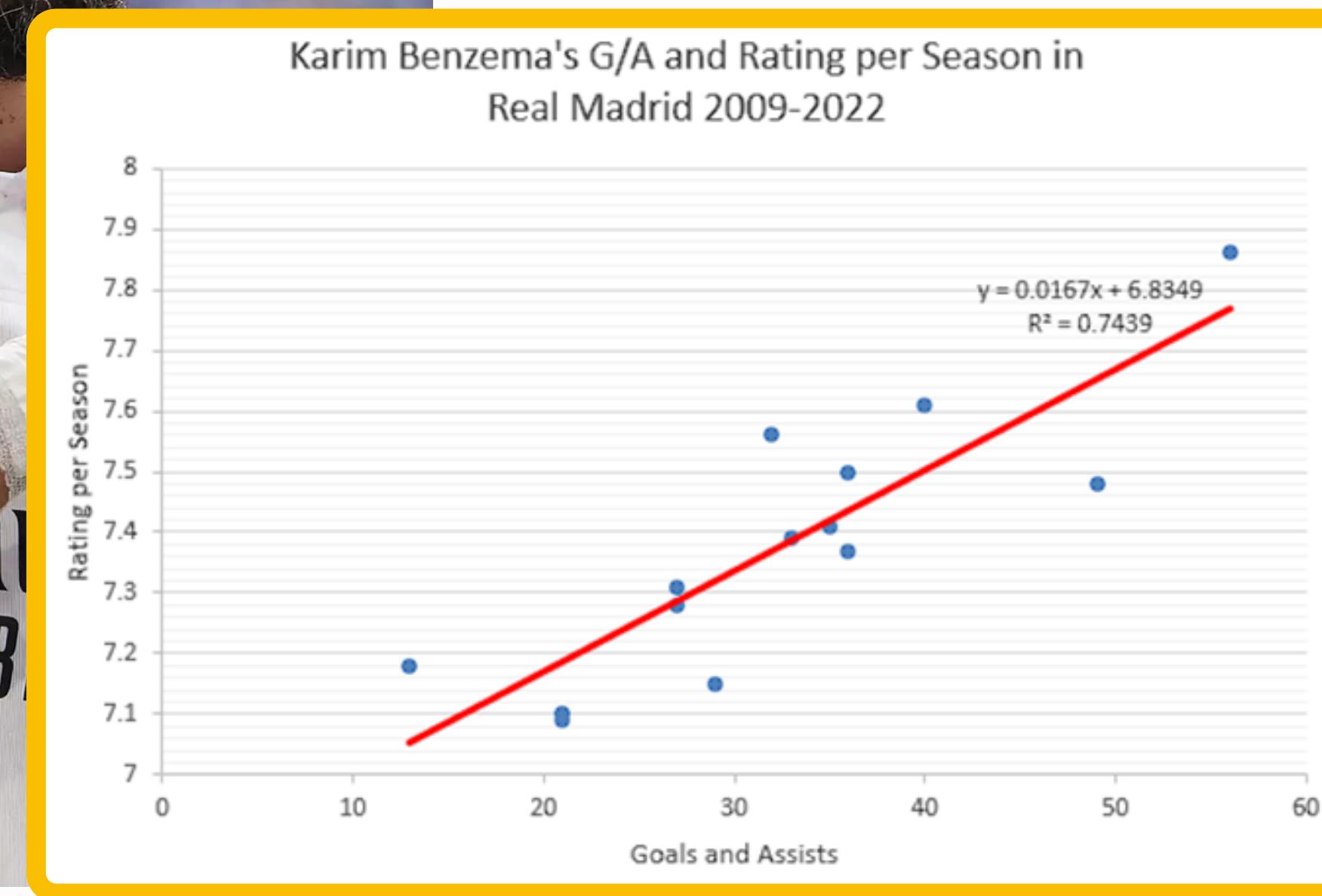
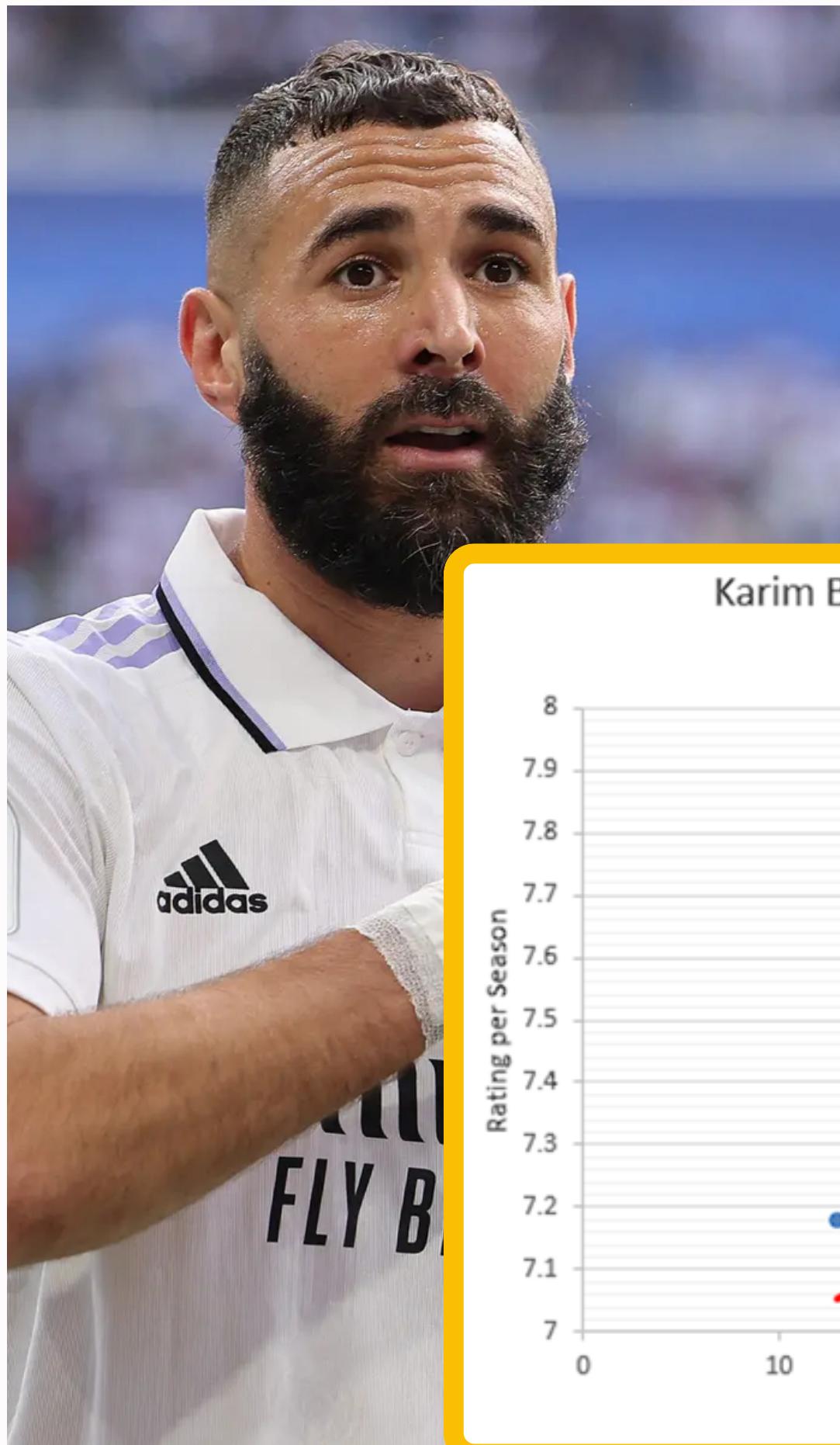


To make sure that his rating always grow, Benzema need to focus on **his control and finishing with the ball**.

Linear Regression

This is the linear regression from Benzema's G/A and Rating per season start from 2009 until 2022. G/A is the variable x and Rating is the variable y.

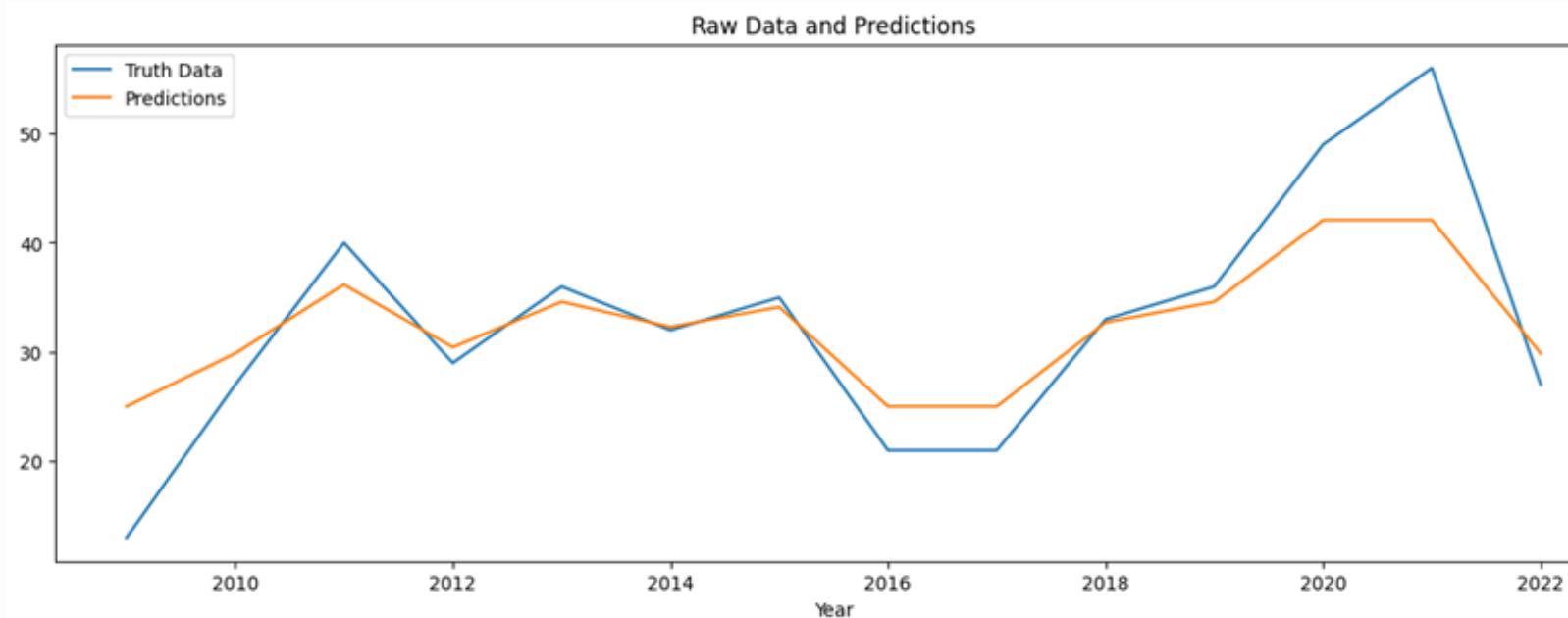
The Equation: $y = 0.0167x + 6.8349$



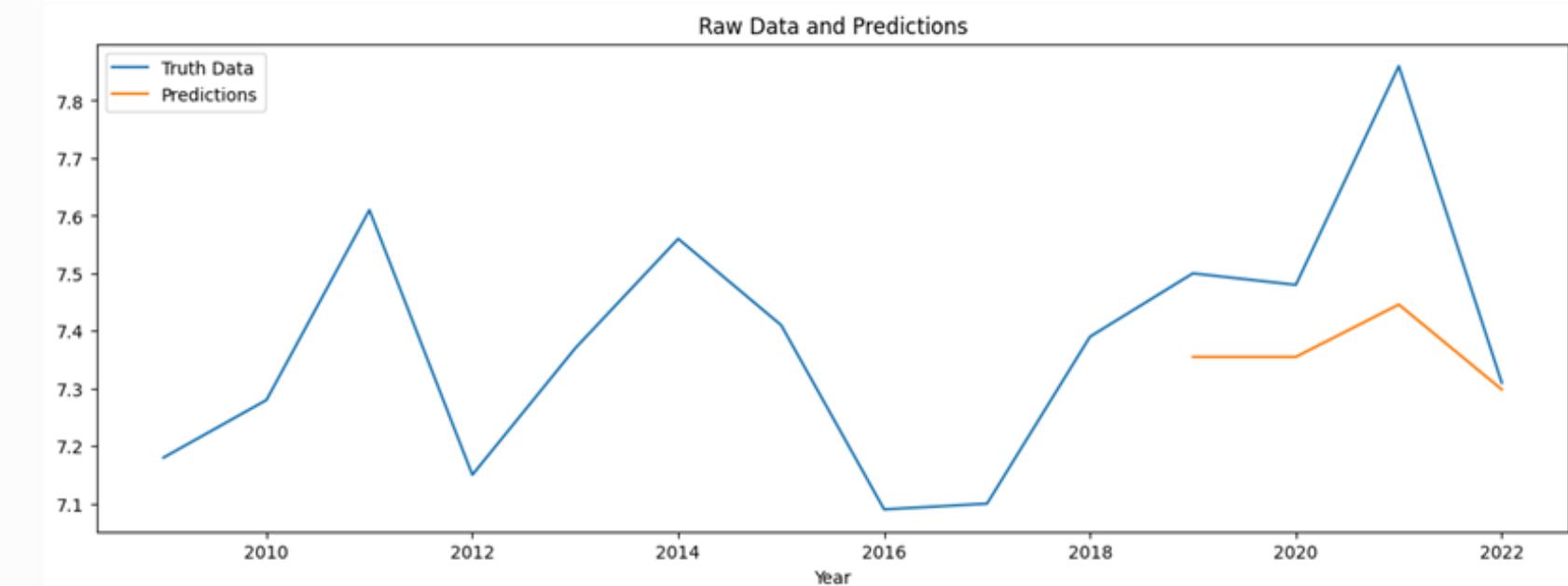
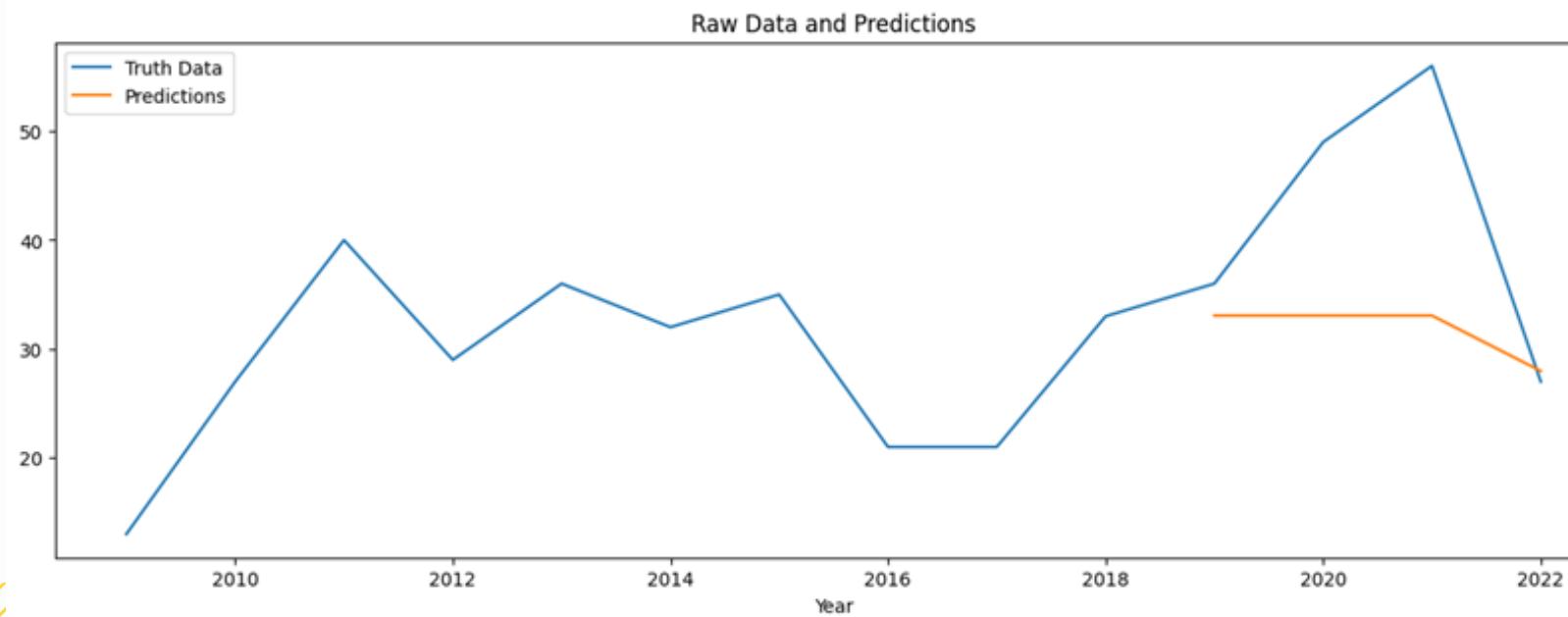
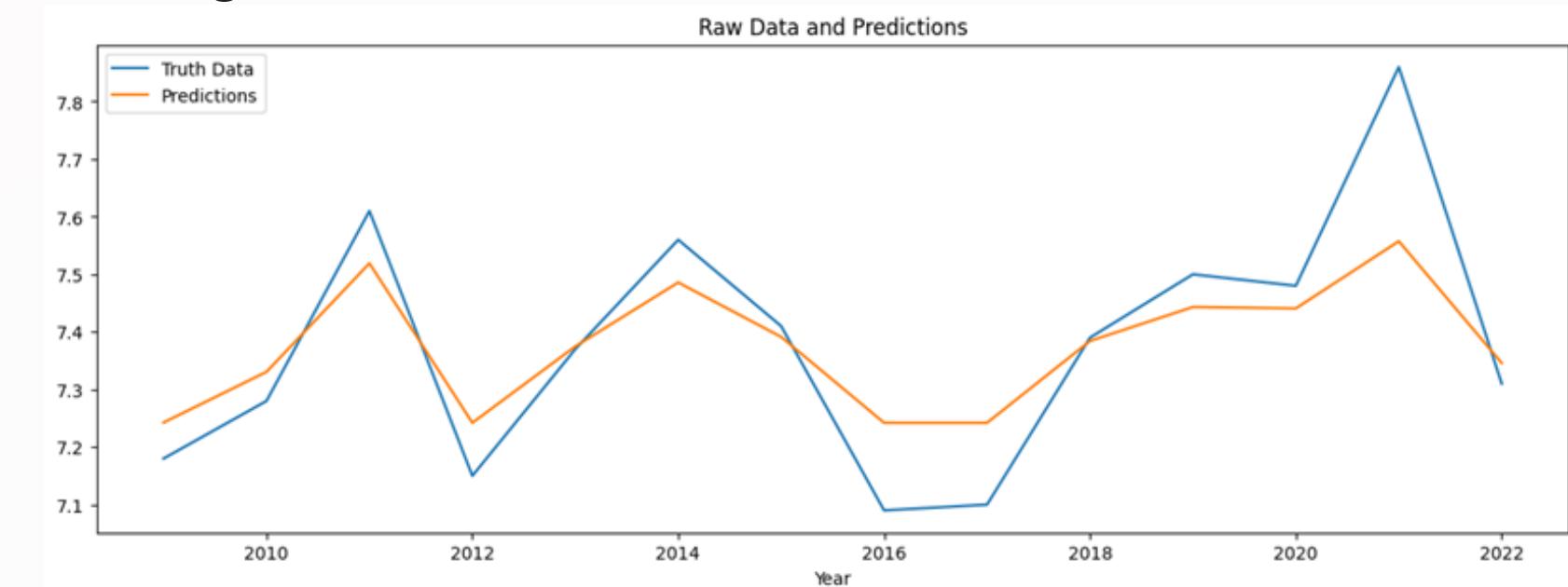
Time-Series

These are the result from time-series forecasting using Python

Goals and Assists



Rating



RESULT

Time-Series
using
XGBoost is
the best way
to predict G/A
and rating

Linear
Regression is
not good
enough
because
there are so
many outliers

Qualitative is
not good
enough
because it can
be biased
based on the
expert's
opinion.

Our Team



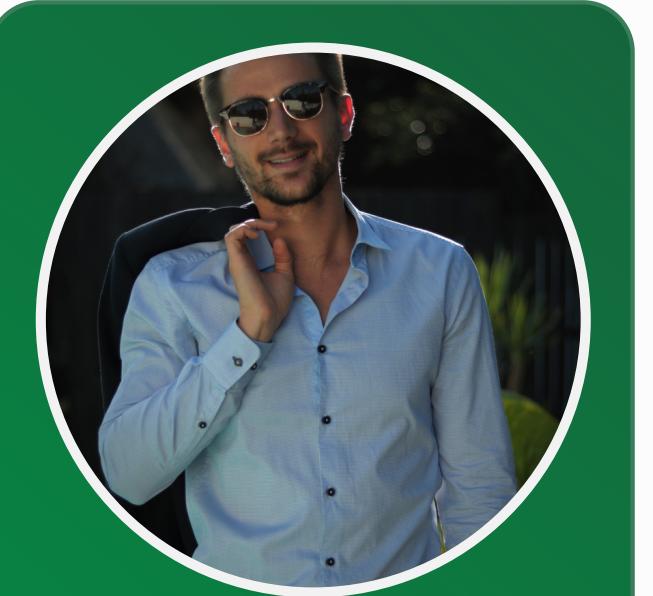
Remy
Marsh
Manager



Everest
Cantu
Marketing



Drew
Holloway
Business Head



Morgan
Maxwell
Manager

GRACIAS!