

# Vini Jr. Team Analysis

Ironhack Sport "Fans"

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# MAIN OBJECTIVES

As a football agent company who is interested in signing new faces. We want to sign a top players with top wage to increase our company's financial? At the same time to consider to invest in young players with high potentials in the future.

Our Agenda:

1. Create a data-based analysis on the players who are English.
2. Performance Analysis of the players
3. Market Analysis
4. Recommendations

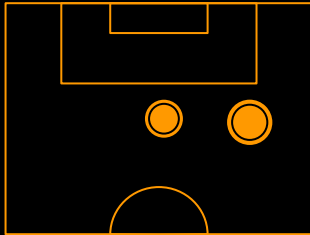


# What are the values we are looking at?



## ABOUT PLAYERS

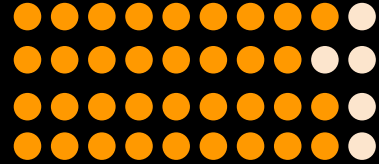
Name  
ID  
AGE  
HEIGHT  
WEIGHT  
CLUB



PLAYING POSITION  
POTENTIAL RATE  
OVERALL ABILITY (OVA)

## MY ABILITIES

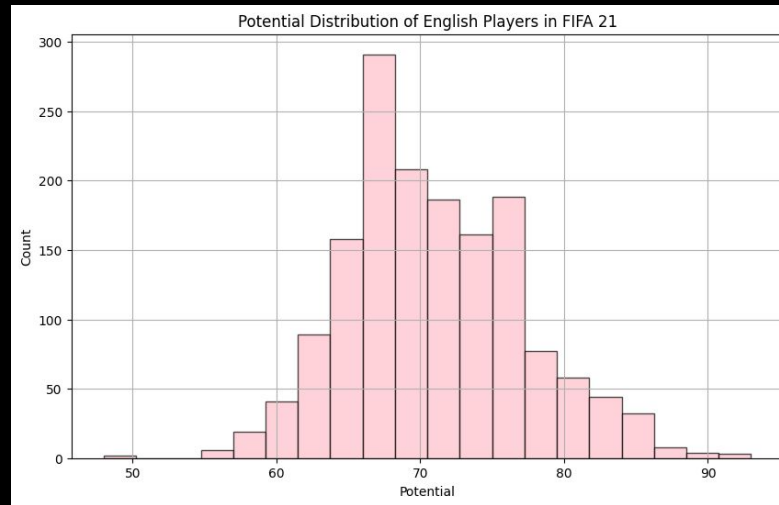
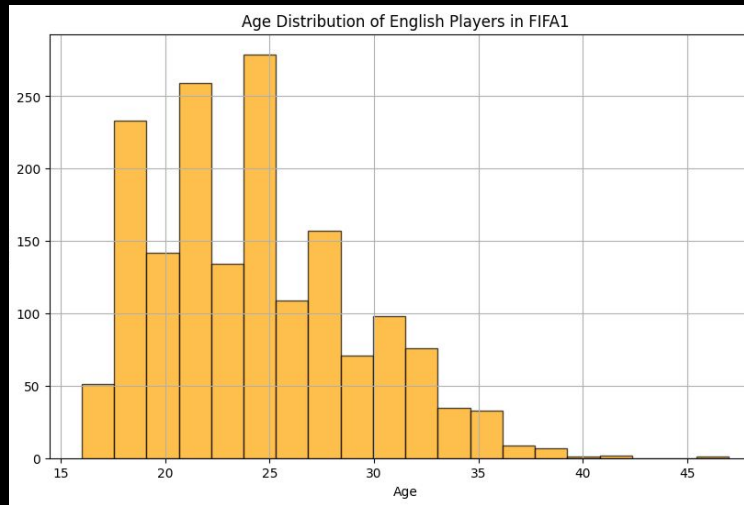
POWER  
MENTALITY  
DEFENDING  
MOVEMENT  
TOTAL STATS



## FINANCIAL STATS

VALUE  
WAGE  
RELEASE CLAUSE

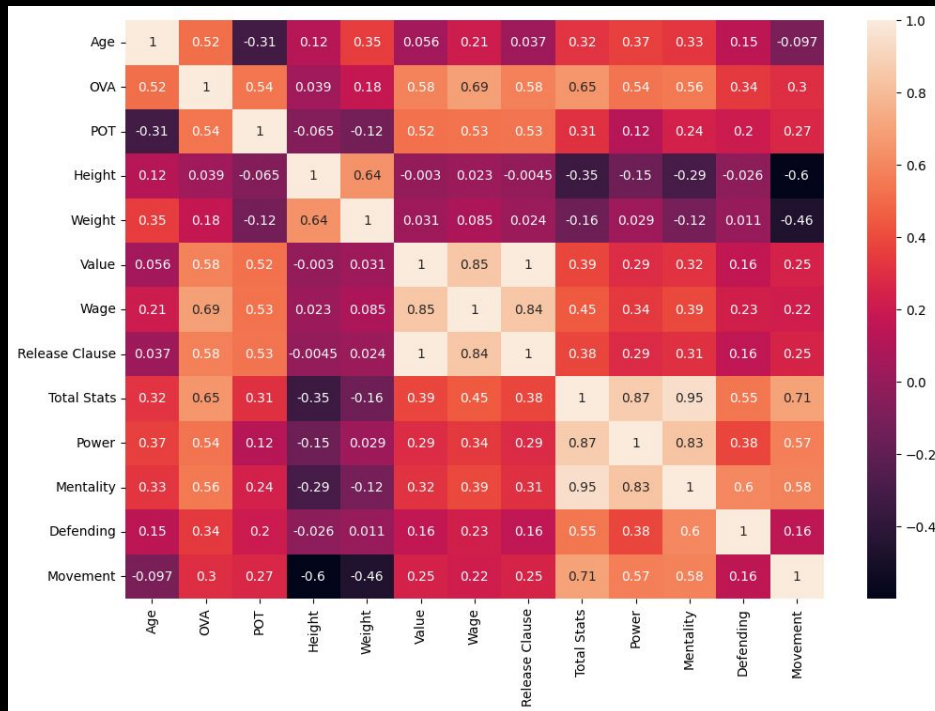
# GENERAL ANALYSIS



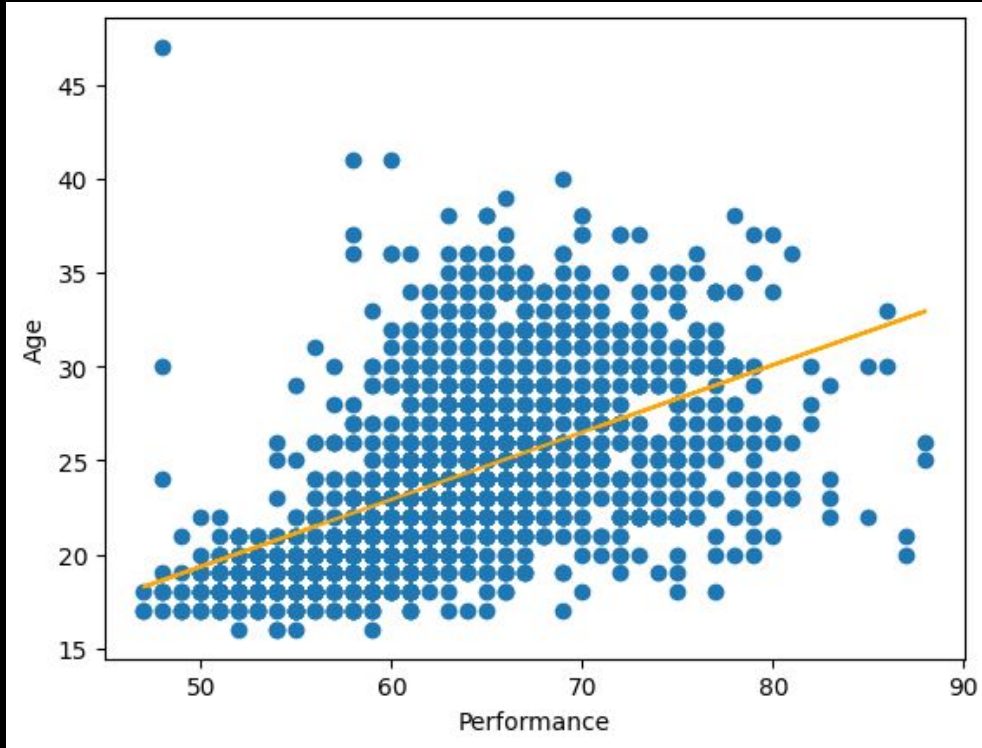
# EFFECTIVENESS

# PERFORMANCE ANALYSIS

**For the next slides,  
we will show you  
the players'  
performance  
relationship with  
different categories  
to determine which  
players, the  
company should  
consider signing.**

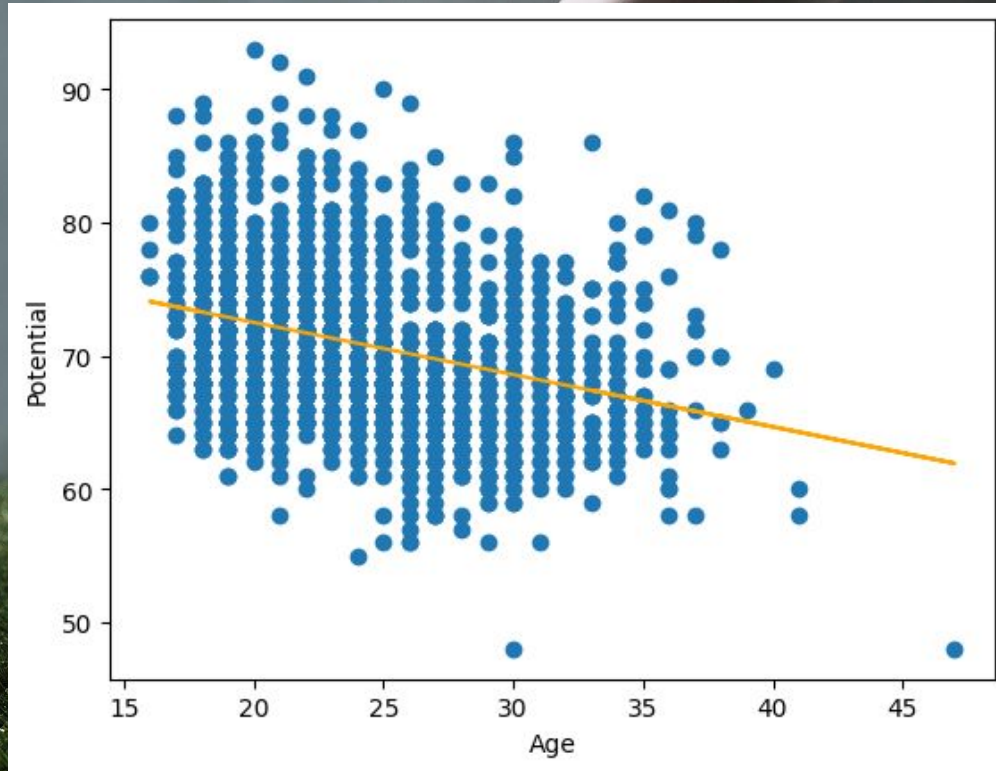


# PERFORMANCE vs AGE

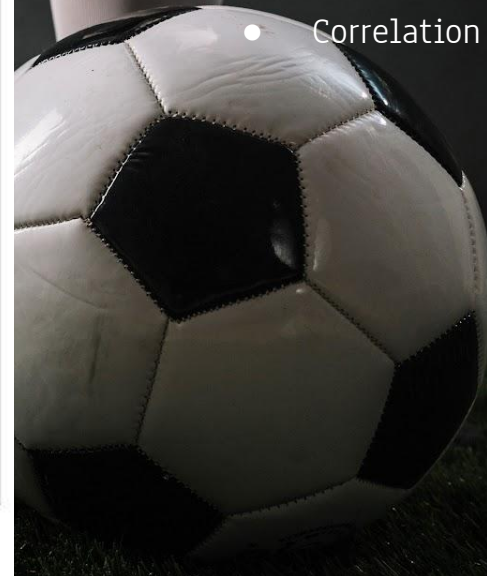


- Performance increases with age
- Correlation = 0.52
- $R^2 = 0.26$

# POTENTIAL vs AGE

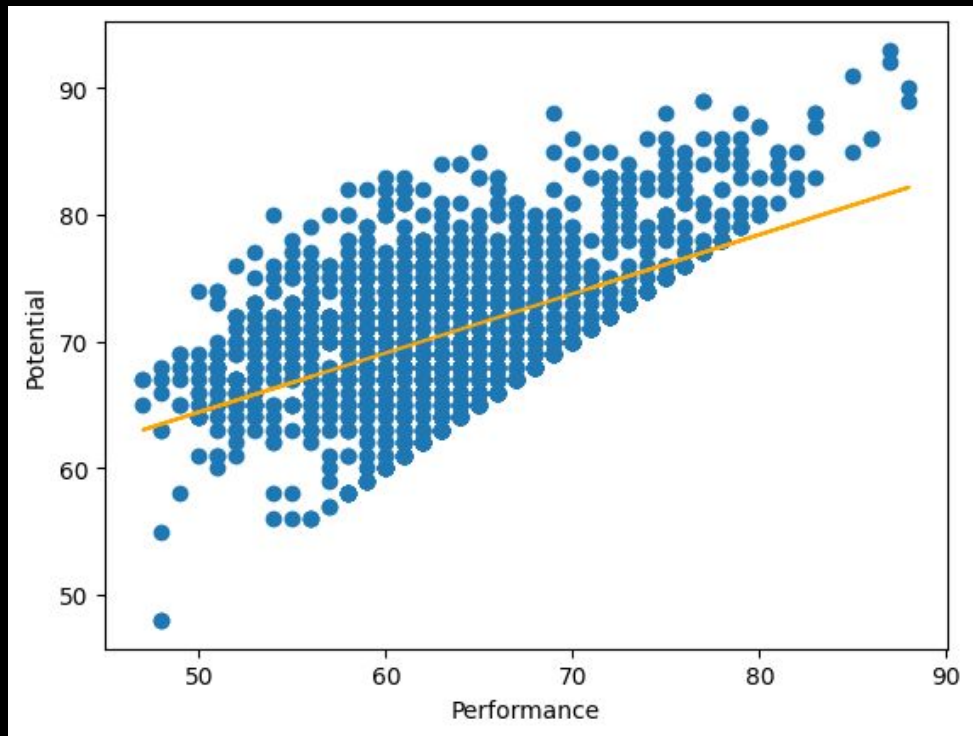


- Potential decreases with age
- $R^2 = 0.09$
- Correlation = -0.31





# PERFORMANCE vs POTENTIAL

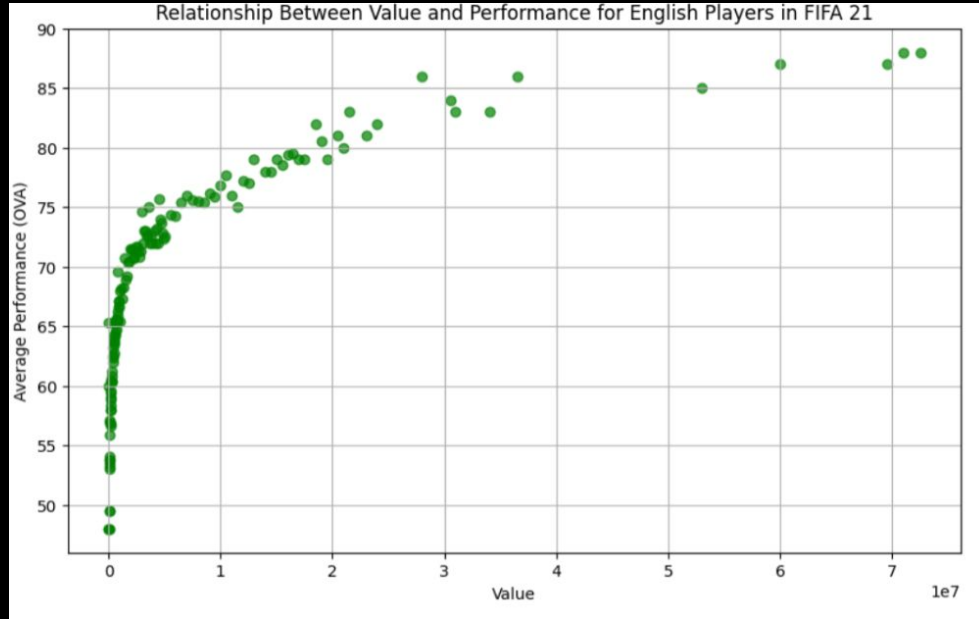


- Performance increases with potential
- Correlation = 0.54
- $R^2 = 0.29$
- Highest score of the 3
- Suggests young people with high potential will have higher performance in long run



**LET'S LOOK AT THE  
MARKET ANALYSIS  
NOW!**

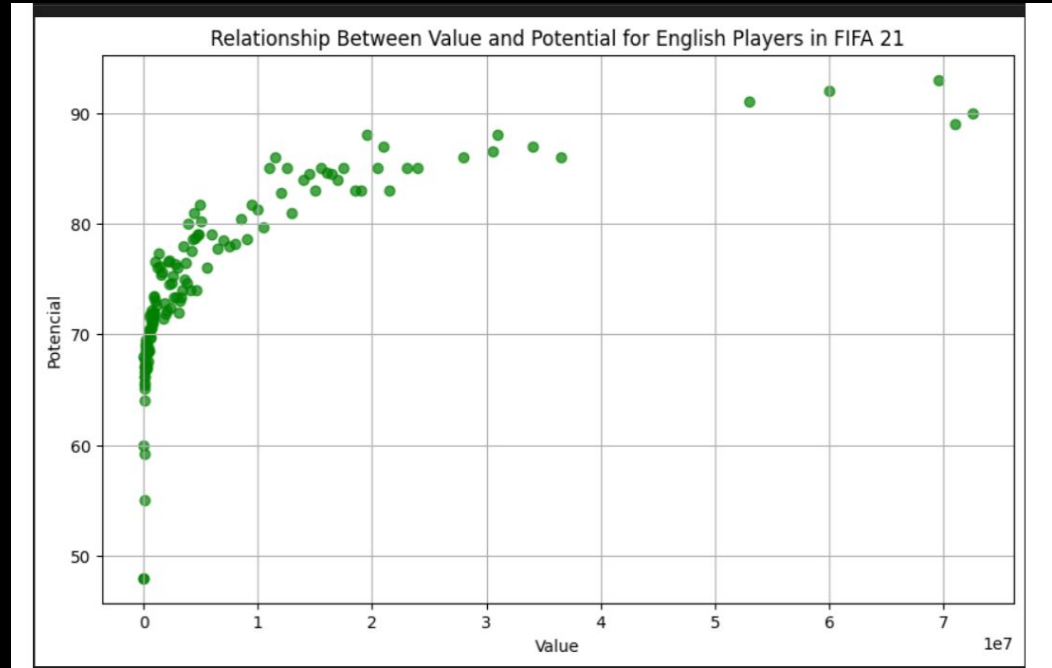
# VALUE vs PERFORMANCE



1. Players with higher "Value" tend to have higher "Average Performance (OVA)" ratings.
2. Some players with lower values have high performance ratings, and some players with higher values have lower performance ratings.
3. There are also outliers—players with exceptionally high or low performance given their value.

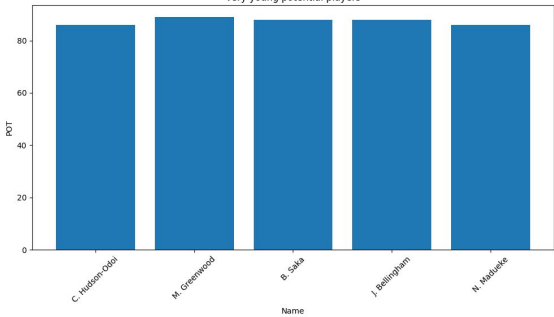
# VALUE vs POTENTIAL

1. We can see from the scatter plot that as potential of player increases, their value also goes up.
2. Not all players with the same market value have the same potential. Some players may have high potential relative to their value, while others may have lower potential.
3. This scatter might help analyze market and identify players with high potential but low value (for this moment) and see which is a good investment.



# OBSERVATION & PREDICTION

Very young potential players



Name	Age	POT	Wage
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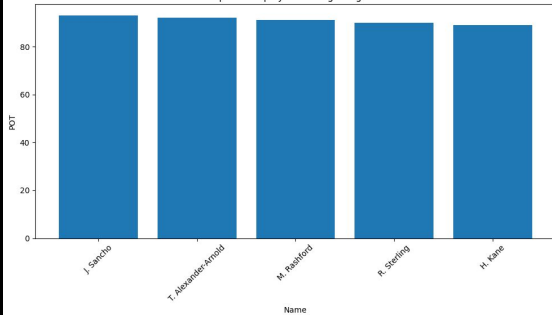
11790	C. Hudson-Odoi	19	86.0	41000
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13576	M. Greenwood	18	89.0	33000
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13720	B. Saka	18	88.0	22000
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Very young players with high potential and lower wages

potential player with high wages



Name	Age	POT	Wage
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9633	J. Sancho	20	93	82000
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9212	T. Alexander-Arnold	21	92	110000
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9317	M. Rashford	22	91	150000
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4049	R. Sterling	25	90	270000
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Players with very high potential and high wages

## Linear Regression Model

R2 score: 0.81

Intercept: -2.76

Coefficient: [-0.8279195

1.02932634 -0.07681407 -0.00373218

-0.72198939 0.10163031 0.66302002

-0.18386655 -0.1631944 0.30343651

-0.03788377 -0.12022335]

## Predicted Model

R2 score: 0.60

# RECOMMENDATION



	Raheem Sterling	Jordan Sancho	Mason Greenwood
Age	25	20	21
OVA	88	87	77
POT	90	93	89
Wage	270K	82K	33K

# MISTAKE AND LEARNING

## Code Mission

### Challenges :

- Data Cleaning (dealing with Code errors & Code revision)
- Data Exploring
- Data Analyzing (Dataset's structure & summary statistics)
- Data Visualization using histograms, box plots & scatter plots
- Correlations & Relationships between variables



# MISTAKE AND LEARNING

## Workflow and processes :

- Sharing insights of the summary statistics.
- Implementation of the campaign objects.
- Presentation slides & contains.
- Highlight critical deadlines and project milestones.
- Presentation revision.



# CHAMPIONS





# THANK YOU

Links:

*Jupyter Notebook*

*Trello Planning*