PLAYER DATA

Name

Fernando Luiz Rosa

Known As

Fernandinho

Date of Birth **04/05/1985**

Height 5'10"

Player Work Rate (Attacking /'
Medium / High

arred Foot

EXPLORATORY DATA ANALYSIS ON FIFA 19 PLAYER DATASET

Unlocking insights into player performance, market values, and trends from EA Sports' FIFA 19 dataset using advanced data visualization techniques.





DATASET OVERVIEW

This dataset encompasses over 18,000 players worldwide, featuring 70+ attributes crucial for scouting, sports analytics, and optimizing career modes.



TRANSFORMING DATA FOR ANALYSIS

Essential steps to prepare data for analysis

CONVERT STRING VALUES TO NUMBERS

Convert formats like '€105M' into numerical values for analysis.

■ REMOVE NON-ESSENTIAL COLUMNS

Dropped columns such as player URL, photo, and ID tags to streamline the dataset.

ADDRESS MISSING VALUES

Used statistical imputation methods to handle missing data effectively.

■ FEATURE CREATION

Developed new features like Age groups and Value per Rating for deeper insights.

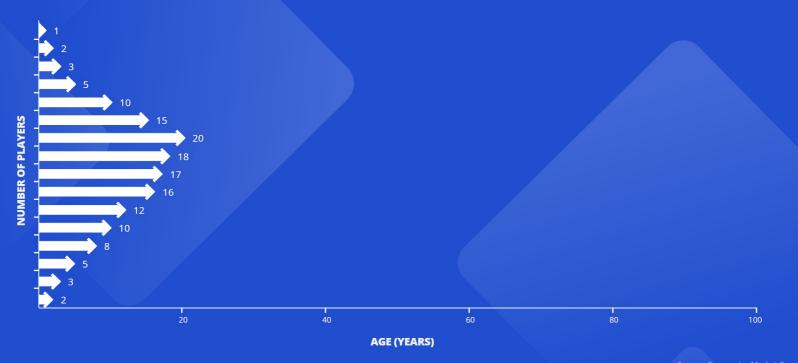
CLEAN KEY ATTRIBUTES

Standardized attributes such as Position, Club, and Nationality for consistency.

PRIORITIZE DATA INTEGRITY

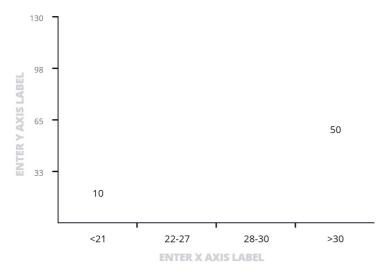
Focus on the data transformation process to ensure accuracy before analysis begins.

AGE DISTRIBUTION AMONG FIFA 19 PLAYERS



AGE IMPACT ON PLAYER PERFORMANCE TRENDS

Analyzing How Player Performance Evolves With Age



Younger players exhibit significant potential for growth.

Description of a primary heading

Overall ratings peak around age 27, suggesting optimal performance.

Description of a primary heading

Post-30, both potential and overall ratings tend to decline.

Description of a primary heading

Source: Companies Market Cap



DOMINANCE OF NATIONALITIES & CLUBS





TOP 20 FOOTBALL CLUBS BY MARKET VALUE



TOP CLUBS BY AVERAGE OVERALL RATING

Consistent Performers in Top Leagues



- JUVENTUS, BAYERN MUNICH, AND PSG LEAD IN RATINGS.
- 2 CLUB PERFORMANCE CORRELATES WITH UEFA SUCCESS.
- BALANCED SQUADS INDICATE FEWER EXTREME OUTLIERS.

CLUB



GOALKEEPER ATTRIBUTES

Essential skills include reflexes, positioning, and reactions for effective goalkeeping.



DEFENDER SKILLS

Focus on standing tackle, interceptions, and strength to protect against attackers.



MIDFIELDER QUALITIES

Vision, ball control, and short passing are critical for central playmakers.



ATTACKER ESSENTIALS

Finishing, dribbling, and sprint speed are crucial for scoring opportunities.

PLAYER POSITION

BUILDING A DREAM TEAM FOR FIFA ANALYSIS

Best Players by Position in Optimal Formation



OPTIMAL FORMATIONS SELECTED

Utilized 4-3-3 and 3-4-3 formations for analysis.



WORLD-CLASS REPRESENTATION

Balanced team includes representation from world-class players.



TOP PLAYERS BY RATING

Selected players based on their ratings for each position.



CUSTOM FORMATION VISUALIZATION

Provided a visual layout with player names and ratings.



CONSIDERATION OF POTENTIAL

Evaluated players based on their potential and club performance.



DATA-DRIVEN TEAM BUILDING

Showcases the importance of data in constructing teams.

Created using presentations presentation presentation presentation presentation presentation presen

DATA-DRIVEN INSIGHTS ON PLAYER ROI



YOUNGER PLAYERS YIELD HIGH ROI

Investing in younger players shows the best return due to their growth potential.

MARKET VALUE FACTORS

Player market value is shaped by age, potential, and club prestige.

ATTRIBUTES FOR POSITIONAL EXCELLENCE

Specific skills and attributes are crucial in determining a player's effectiveness in their position.

REAL-WORLD SCOUTING INSIGHTS

Data insights are valuable for both real-world scouting and FIFA career modes.

MAXIMIZE SCOUTING AND PLAYER ACQUISITION

Leverage insights gained from this analysis to enhance scouting strategies and optimize player acquisitions for future success.

