



Analysis

Theresa Rodriguez

Background

Why FIFA?

- I have played soccer (Fußball/fútbol) since I was 3 years old
- Since moving to Berlin, I have fallen even more in love with the sport and am interested in completing a research analysis on players from the 2020, 2021, and 2022 seasons

Data Set

- Original data set included many columns of different rankings per position, overall, potential, club & national details, as well as photos (110 of columns total and 18,000+ rows)

Research

Interested in learning more about FIFA rankings (overall + potential) and how they compare to other rankings

- a. In the years 2021 and 2022 is there a correlation between age, and overall ranking?
- b. In the year 2021, which league has the highest number of overall ranked players?
- c. In the year 2022, which league has the highest number of overall ranked players?
- d. Are the year '2022' top 10 industry rankings of the year aligned with FIFA?

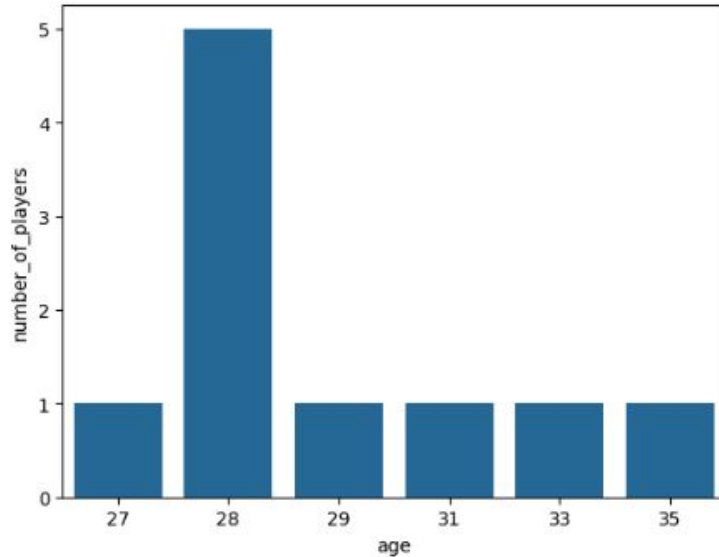
Project Plan

Scope	Mon	Tues	Wed	Thur	Fri	Process
Find Data Set						Kaggle
Project Plan						
Formulate Hypotheses						
Data Wrangling						Delete Columns, Identify Null Values, Understand Types of Data, Sort per top 10 "Overall", Sorting, Pivots
Web Scraping						https://www.thescore.com/fmf_ap/news/2525176
Analysis & Plots						Bar and plot graphs to understand to visualize hypotheses
Conclusions						
Refine Code						
Presentation						slides

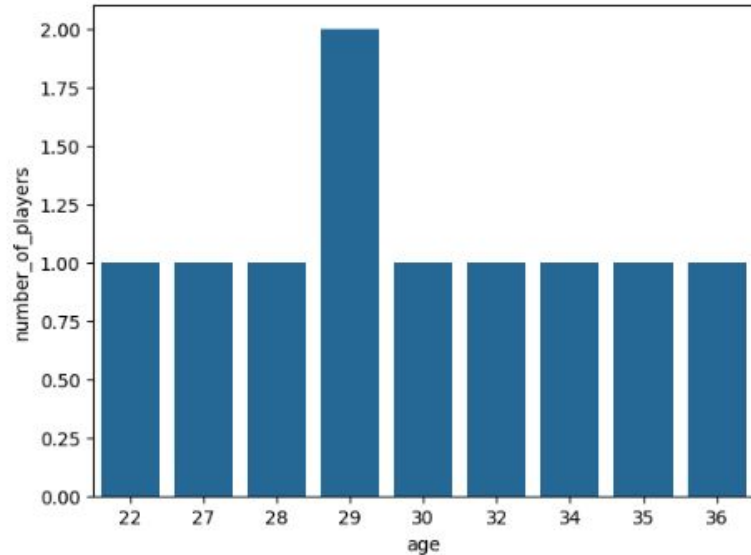
Conclusions - A

In the years 2021 and 2022 is there a correlation between age, and overall ranking?

2021 - Top 10 - by Age



2022 - Top 10 - by Age



Conclusion: Between ages 28-29 is the highest overall. In 2022 there was a bigger range in age than in 2021. (Age 22: Kylian Mbappe to Age 36: Cristiano Ronaldo)

Conclusions - B

In the year 2021, which league has the highest number of overall ranked players?

Top 10 Overall by League

	league_name	number_of_players
0	English Premier League	4
4	Spain Primera Division	3
1	French Ligue 1	1
2	German 1. Bundesliga	1
3	Italian Serie A	1

Top 10 Potential by League

	league_name	number_of_players
4	Spain Primera Division	5
0	English Premier League	2
1	French Ligue 1	1
2	German 1. Bundesliga	1
3	Italian Serie A	1

Conclusion: Since overall and potential are calculated differently they do not have the same top league.

*The overall player score is a numerical rating derived from weighted attributes across physical, technical, defensive, and mental categories, processed by an algorithm that dynamically adjusts for form, fitness, and potential growth.

**The potential FIFA player score is based on their current abilities, age, and career path, with younger players typically having higher potential scores due to expected growth.

Conclusions - C

In the year 2022 which league has the highest number of overall ranked players?

Top 10 Overall by League

	league_name	number_of_players
0	English Premier League	3
1	French Ligue 1	3
2	German 1. Bundesliga	2
3	Spain Primera Division	2

Top 10 Potential by League

	league_name	number_of_players
1	French Ligue 1	3
3	Spain Primera Division	3
0	English Premier League	2
2	German 1. Bundesliga	2

Conclusion: Since overall and potential are calculated differently they do not have the same top league.

*The overall player score is a numerical rating derived from weighted attributes across physical, technical, defensive, and mental categories, processed by an algorithm that dynamically adjusts for form, fitness, and potential growth.

**The potential FIFA player score is based on their current abilities, age, and career path, with younger players typically having higher potential scores due to expected growth

Conclusions - D

Are the year '2022' top 10 industry rankings of the year aligned with FIFA?

Ranking	Thescore.com	Fifa Overall Ranking
10	Neymar	Harry Kane
9	Rafael Lea	Marc Stegan
8	Sadio Mane	Manuel Neuer
7	Robert Lewandowski	Kylian Mbappe
6	Vinicius Junior	Jan Oblak
5	Kevin De Bruyne	Kevin De Bruye
4	Erling Haaland	Neymar
3	Kylian Mbappe	Christian Ronaldo
2	Karim Benzema	Robert Lewandowski
1	Lionel Messi	Lionel Messi

Conclusion: FIFA rankings are not aligned with industry rankings but share some of the same players (5/10)

Challenges

1. **Setting up and organizing my notebook**

- a. Great value in adding details and titles to your notebook when working individually, and especially important when working in a team

2. **Web scraping**

- a. Finding valuable sources to compare the player data, and moving that data to my Jupyter Notebook

3. **Paralysis by analysis**

- a. Attempting to use all the tools we used instead of solely focusing on what will analyze my hypothesis

Final Conclusion

1. **With more time:**
 - a. If there is a correlation between league annual spend, and if they had the top players
2. **Similarities include:**
 - a. FIFA algorithm and Top Footballers share similarities such as recognition of talent, top players, and annual updates
3. **Key differences are:**
 - a. FIFA algorithm evaluation of their current skills, and Top Footballers is derived off journalist, fans, and coaches
4. **BVB Dortmund does not have any top players!**



Thank you!

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