

DS311 – Dataset Summary

Group: The Brogrammers

- Describe:

The dataset in the sport folder called 'fifa_world_cup.csv' is a .csv formatted data file which contains 25 columns and 23921 rows. Of the 25 columns that are already explained in the description file: 10 are listed as an object, 8 are a float, 6 are integer, and 1 is a bool(True/False). The dataset contains many Na's as well. More Specifically all these Na values are resorting from variables that take FIFA rankings into account. This could be because either FIFA did not acquire this data or because the game did not establish a team for that country at the given time period.

- Interesting Facts:

- 1)** Of all the home and away teams listed per each row in the dataset, the average FIFA rank for the home team was roughly 77.85 and the away team was about 80.8 overall out of a score of 100.
- 2)** Within the dataset we found the top 10 teams with the best away defense from the collected years 1993 to 2022. The best team is the same team which has yet to miss a qualification to the World Cup and that is Brazil. The remaining top 10 are as follows: Spain, Italy, Germany, England, France, Argentina, Portugal, Belgium, Netherlands.
- 3)** We also found in our dataset the best home defense from the collected years 1993 to 2022. The best home defensive team is the same as the best away defensive team and that is Brazil yet again.

4) In 2020, only 298 international games were played. This is the 2nd lowest after World Cup data was first recorded back in 1993. We can interpret the main factor behind this deemed from the COVID-19 pandemic. In 2021, the number of international games increased back up to 1077 international games. Marking this as the most number of international games played in a single year.

5) In this dataset we also got to encounter which country has scored the most home/away and both goals. From the dataset we discovered the teams that scored the most 'Home' goals is USA with 589 goals. The country with the most 'Away' goals scored is Brazil with 396 goals. And the country with the most goals COMBINED equates none other than Brazil with 954 goals.

6) This fact has an interesting correlation to fact #5, the country with the most 'Home' wins is USA at 194 with an average 61.8%-win percentage. Coincidentally the country with the most 'Away' wins is Brazil at 120 wins with a 60%-win percentage. The country with the most 'overall' wins is Brazil with 301 wins with a 69.5%-win percentage.