

A large, dense crowd of people is gathered outdoors, likely at a festival or event. In the foreground, several people are holding up large, yellow, three-dimensional letters spelling out "HUBOS". The letters are bright yellow with dark outlines and are held by multiple hands. The background shows more people, some wearing hats and casual summer clothing, under a clear sky.

HUBOS

Scoreboard Stories: An Analytical Journey of FIFA World Cup History

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Introduction

With each new edition of the World Cup, excitement and tension are renewed around the globe as fans gather to witness the greatest event in the world of football. Behind every shining moment on the pitch lies an inspiring story, a story that blends passion, determination, and dedication. The "Scoreboard Stories" project aims to explore these tales through the lens of data and analysis.

By collecting and analyzing World Cup data from the inception, we delve into the details of matches, goals, teams, and players to uncover patterns and trends that tell a historical story of this grand event. We explore whether there are recurring strategies and analyze how different factors such as locations and weather conditions impact match outcomes.

Through the integration of statistical data, visualizations, and deep analysis, we present you with an enjoyable and detailed exploration of the history of the World Cup, where the stories hidden behind the scoreboards become clear.





About Datasets:

Datasets:



Datasets:

Football Players Data

- name: Name of the player.
- full_name: Full name of the player.
- birth_date: Date of birth of the player.
- age: Age of the player.
- height_cm: Player's height in centimeters.
- weight_kgs: Player's weight in kilograms.
- positions: Positions the player can play.
- nationality: Player's nationality.
- overall_rating: Overall rating of the player in FIFA.
- potential: Potential rating of the player in FIFA.
- value_euro: Market value of the player in euros.
- wage_euro: Weekly wage of the player in euros.
- preferred_foot: Player's preferred foot.
- international_reputation(1-5): International reputation rating from 1 to 5.
- weak_foot(1-5): Rating of the player's weaker foot from 1 to 5.
- skill_moves(1-5): Skill moves rating from 1 to 5.

Datasets:

Datasets:

FIFA World Cup Matches

1. Datetime:The date and time when the match took place.
2. Stage:The stage of the tournament (e.g., group stage, knockout stage).
3. Stadium:The name of the stadium where the match was played.
4. City:The city where the stadium is located.
5. Home Team Name: The name of the home team.
6. Home Team Goals:The number of goals scored by the home team in the match.
7. Away Team Goals:The number of goals scored by the away team in the match.
8. Away Team Name: The name of the away team.
9. Win conditions:Conditions under which the match was won (e.g., penalty shootout, extra time).
10. Attendance:The number of spectators present at the match.
11. Half-time Home Goals: The number of goals scored by the home team at halftime.
12. Half-time Away Goals:The number of goals scored by the away team at halftime.
13. Referee:The name of the referee officiating the match.
14. Assistant 1:The name of the first assistant referee.
15. Assistant 2:The name of the second assistant referee.
16. RoundID: The unique identifier for the round of the tournament.
17. MatchID:The unique identifier for the match.
18. Home Team Initials:The initials of the home team.
19. Away Team Initials: The initials of the away team.

Datasets:

Datasets:

FIFA World Cup

- 1- Year:Year of the worldcup
- 2- Country:Country of the worldcup
- 3- Winner:Team who won the worldcup
- 4- Runners-Up:Team who was the second place
- 5- Third:Team who was the third place
- 6- Fourth:Team who was the fourth place
- 7- GoalsScored>Total goals scored in the worldcup
- 8- QualifiedTeams>Total participating teams
- 9- MatchesPlayed>Total matches played in the cup
- 10- Attendance>Total attendance of the worldcup

DATA PREPARING

01

Using Dax

Used the DAX language to prepare the data before visualizing it."

02

Data Transformation with Power Query

- Changed Type
- Replace Value
- Merged Columns
- Duplicated Columns & Table
- Group By

03

Visualizing the data and creating the dashboard.

This step was accomplished using charts, data, and DAX.

The work That has been done:

- Linking tables through Relationships.
- Using DAX language to create separate columns, for example, a column for Total of goals.
- Using DAX language to create a new table, such as a Table of total goals.
- Using DAX language to create measures for performing mathematical operations.
- Using Filters and DAX functions to filter columns and perform mathematical operations.
- Downloading and using new visualizations.



The work That has been done:

-Replaced Value:

Germany FR to Germany

China PR to China

The name of the velodrome stadium in Latin letters to Stade Velodrome

The name of the maracana stadium in Latin letters to Maracana estadio journals

-Duplicated Column : Home Team Name & Away Team Name then merged the columns by custom merging, placing VS between them to get a new column called Matches

-Duplicated World Cup Matches table twice and change the name of the first to home goals and the second to away goals

-Group By advanced:

-We chose the year and home team name and named the new column home goals, operation sum, and grouping by home team goals

-Same steps for the Away goals table

-Table home goals and table away goals I selected, then from home I chose merge queris as new. Next to the away goals, a table will appear. I chose it, put the check mark on away team name and away goals, then choose ok.

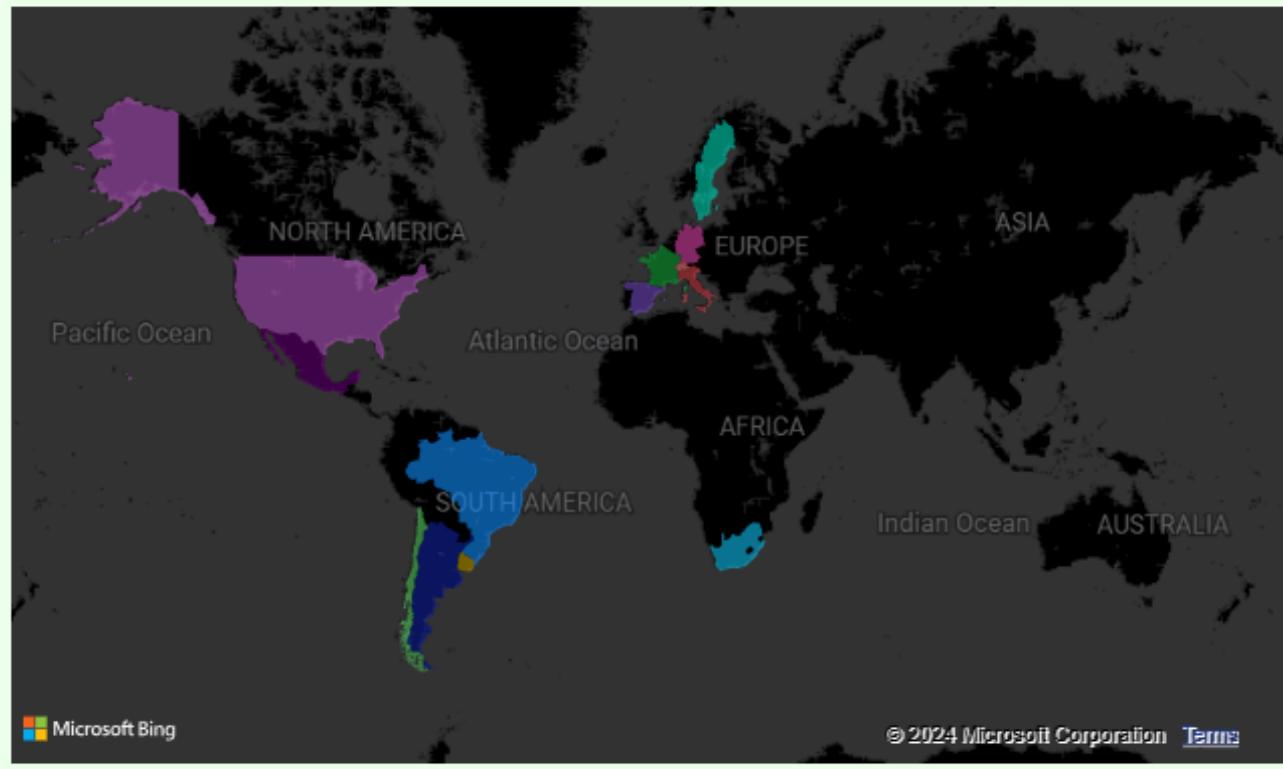




Using Dax:

- Using Dax in preparing the data.
- Using Dax filters and functions .
- Using Dax to help in visualisation

Attendance by Country and year



Home Team Name

Brazil

Away Team Name

Brazil

Year Goals

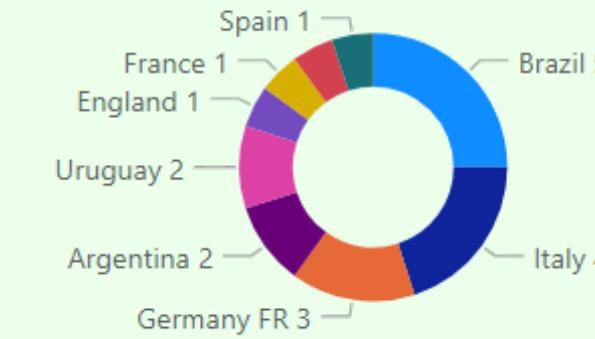
1930

5

Year

1954

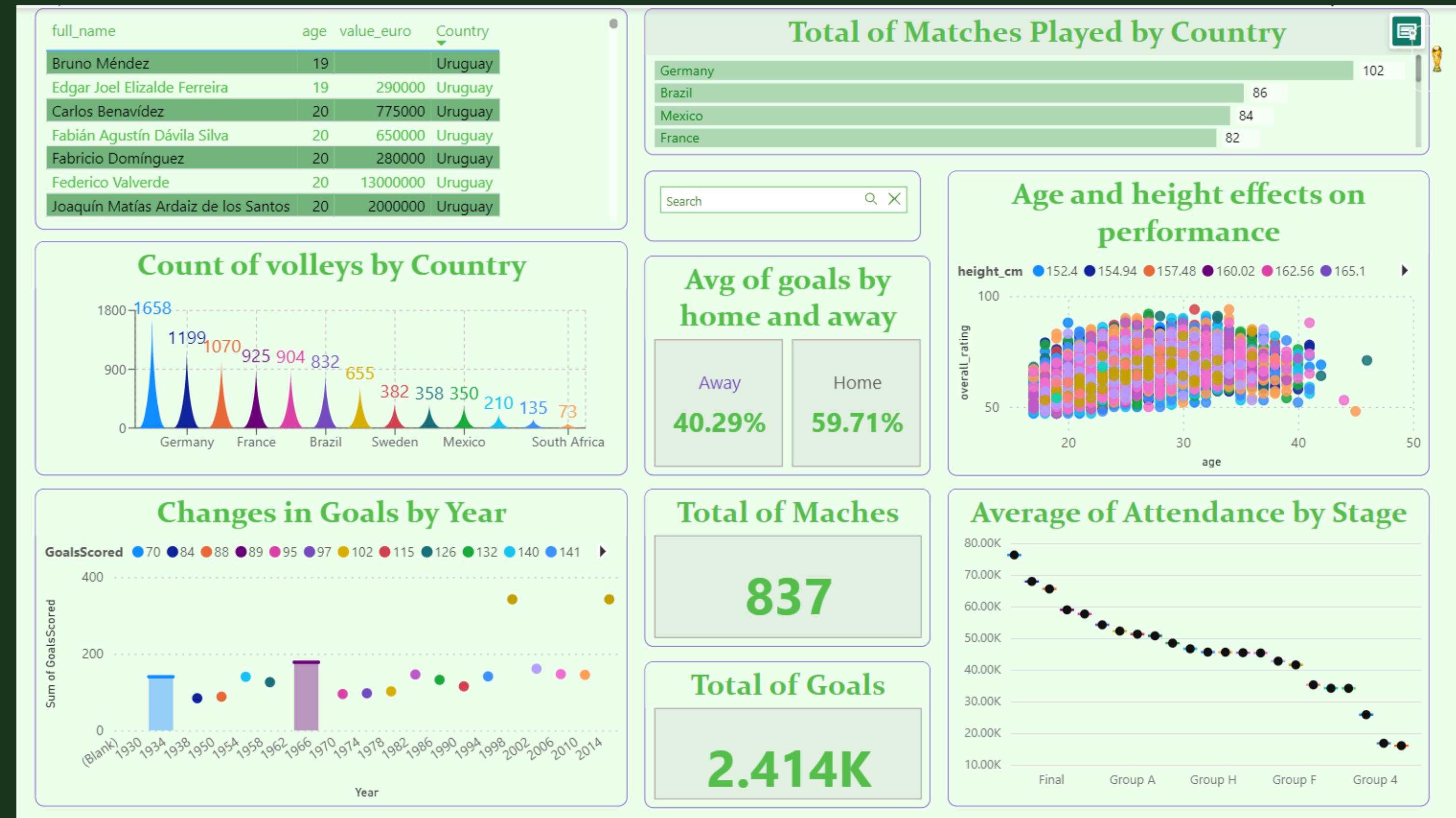
World cup Winners



[FIFA World Cup 1930-2014](#)

Matches

Matches	Stadium	Attendance
Austria VS Germany	St. Jakob	58000
Belgium VS England	St. Jakob	14000
Belgium VS Italy	Comunale di Cornaredo	24000
Brazil VS Hungary	Wankdorf Stadium	40000
Czechoslovakia VS Austria	Hardturm	26000
Czechoslovakia VS Uruguay	Wankdorf Stadium	20500
England VS Uruguay	St. Jakob	28000
France VS Yugoslavia	La Pontaise	16000
Germany VS Hungary	St. Jakob	56000
Hungary VS Germany	Wankdorf Stadium	62500
Italy VS Switzerland	La Pontaise	43000



THE COUNTRIES WITH THE MOST WINS IN THE FIFA WORLD CUP UNTIL 2014:



1-Brazil

Won the tournament 5 times (1958, 1962, 1970, 1994, 2002).

2-Germany

Won the championship 4 times in 1954, 1974, 1990, and 2014.

3-Italy

Won the championship 4 times in 1934, 1938, 1982, and 2006.

TOP GOAL SCORERS IN THE WORLD CUP UP TO 2014 :



1. Miroslav Klose from Germany

scored 16 goals in four World Cup tournaments (2002, 2006, 2010, 2014).

2. Ronaldo from Brazil

scored 15 goals in three World Cup tournaments (1998, 2002, 2006).

3. Jürgen Klinsmann from Germany

scored 14 goals in three World Cup tournaments (1990, 1994, 1998).

The best doctor in the world cup:

Dr. Muhammad, thank you for your continuous giving all the time and your response and useful advice. You taught us a lot on the educational and professional levels. You were the best teacher for us. Thank you. We hope that this will not be your last stop with us in our education.



The difficulties we experienced

- Finding suitable data for analysis





Our dashboard link

Thank you
for your
attention!

any question!