FIFA World Cup Analysis

- Project Report
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GitHub Repo

CONTENTS

INTRODUCTION

PROBLEM STATEMENT

With FIFA is in the blood of many people of the world. You are tasked to tell the story of unsung analysts who put great efforts to provide accurate data to answer every question of fans. The FIFA World Cup is a global football competition contested by the various football-playing nations of the world. It is contested every four years and is the most prestigious and important trophy in the sport of football.

The World Cups dataset shows all information about all the World Cups in history, while the World Cup Matches dataset shows all the results from the matches contested as part of the cups. Find key metrics and factors that influence the World Cup win. Do your own research and come up with your findings.

ABOUT DATASET

We have three types of datasets, each providing unique insights :

- ***World Cup Matches Dataset***

  Description : This dataset contains comprehensive information about all the matches played in the history of the FIFA World Cup. It is crucial for analyzing match outcomes, team performance, and the overall tournament progression.

  Shape : 4572 rows & 20 columns

- ***World Cup Players Dataset***

  Description : This dataset provides detailed information about the players who have participated in the FIFA World Cup. It helps in analyzing player performance, career statistics, and contributions to their respective teams.

Shape : 37784 rows & 9 columns

- ***World Cup Overview Dataset***

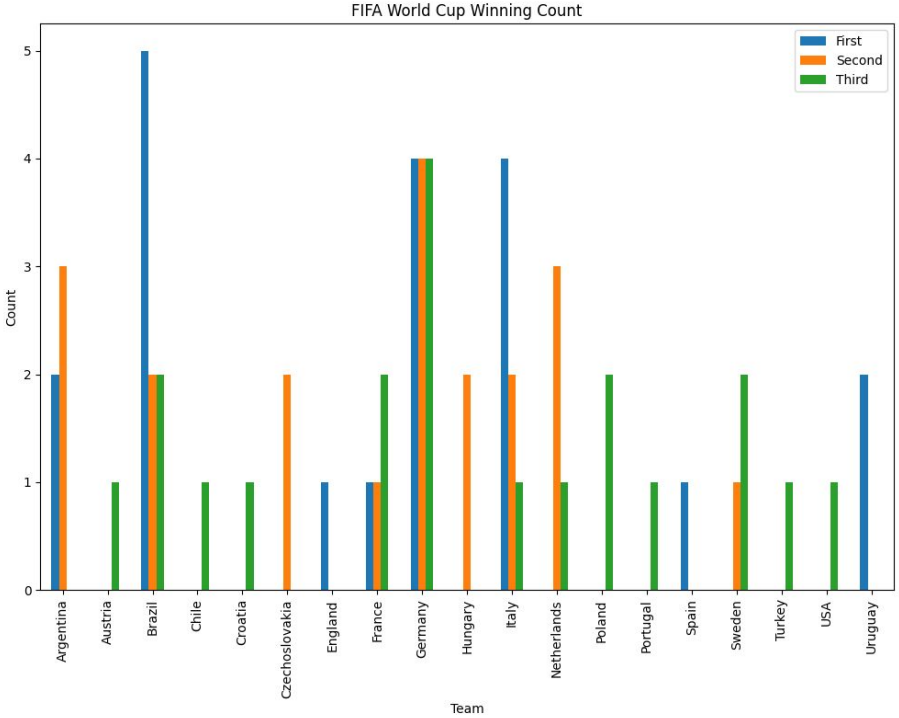
  Description : This dataset provides a high-level overview of the FIFA World Cup tournaments, including general statistics and historical data. It helps in understanding the overall context and evolution of the tournament.

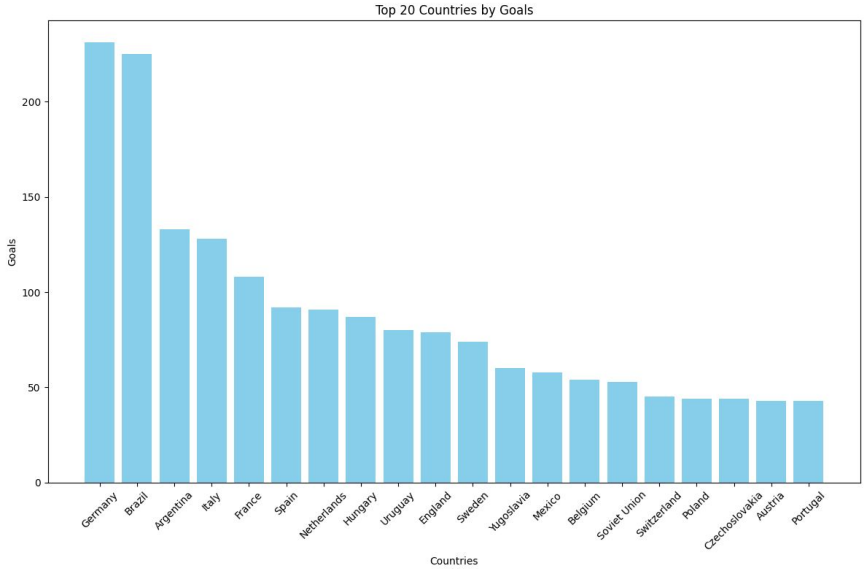
  Shape : 20 rows & 10 columns

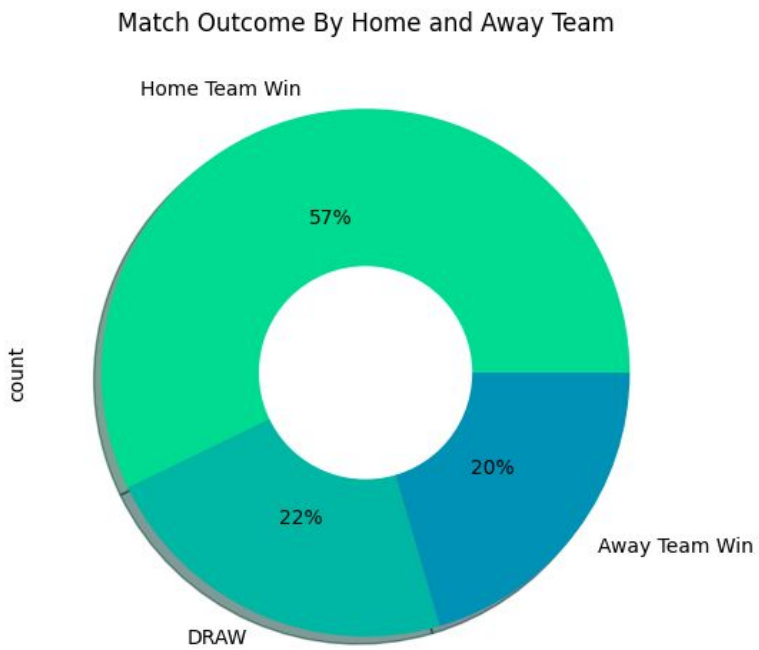
TECHNOLOGIES USED

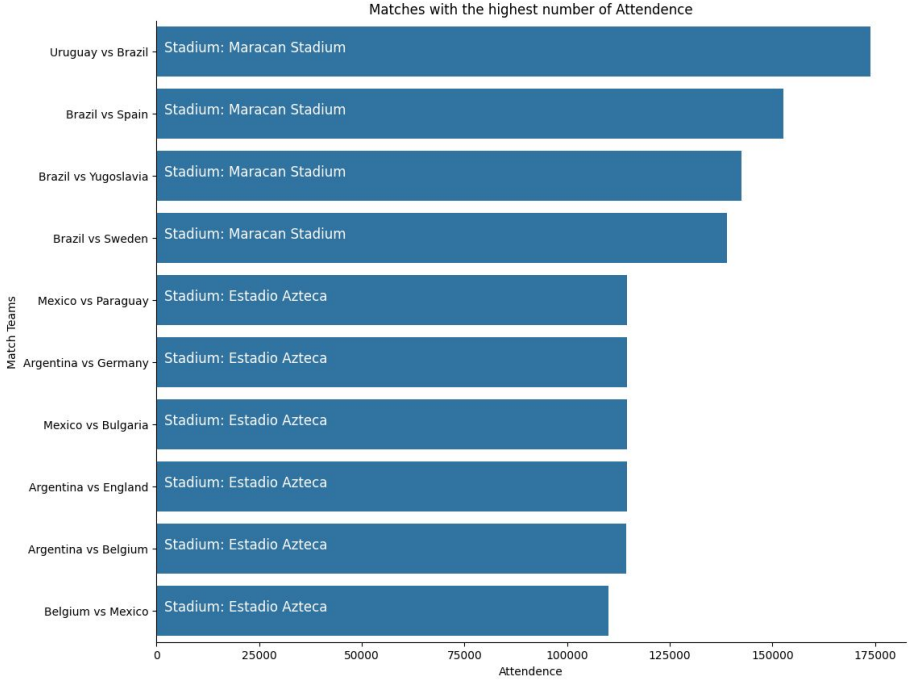
- Programming Language -> Python
- Data Manipulation -> NumPy & Pandas
- Data Visualization -> Matplotlib & Seaborn
- Version Control System -> Git
- Repository Hosting -> GitHub

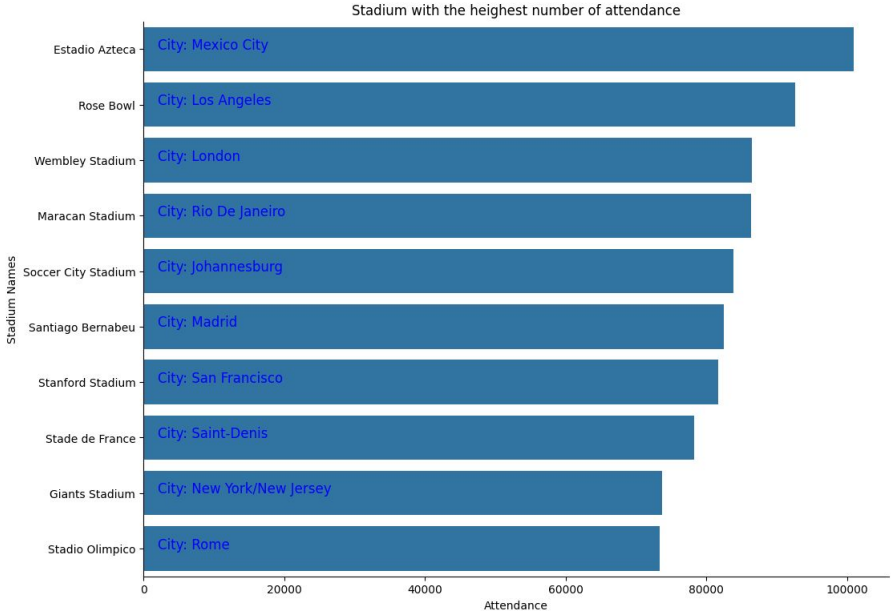
FINAL OUTPUT

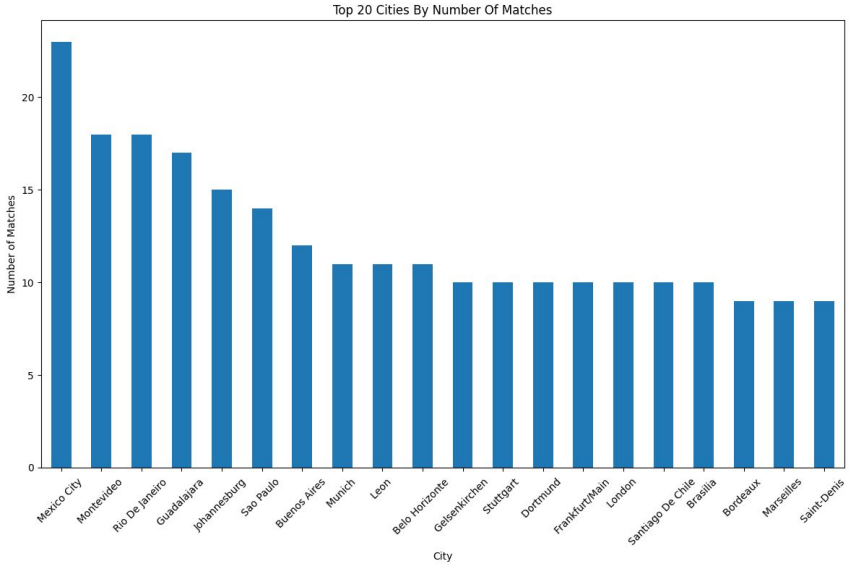

FIFA World Cup Winning Count
First
Second
Third
Count
0
1
2
3
4
5
Argentina
Austria
Brazil
Chile
Croatia
Czechoslovakia
England
France
Germany
Hungary
Italy
Netherlands
Poland
Portugal
Spain
Sweden
Turkey
USA
Uruguay
Team

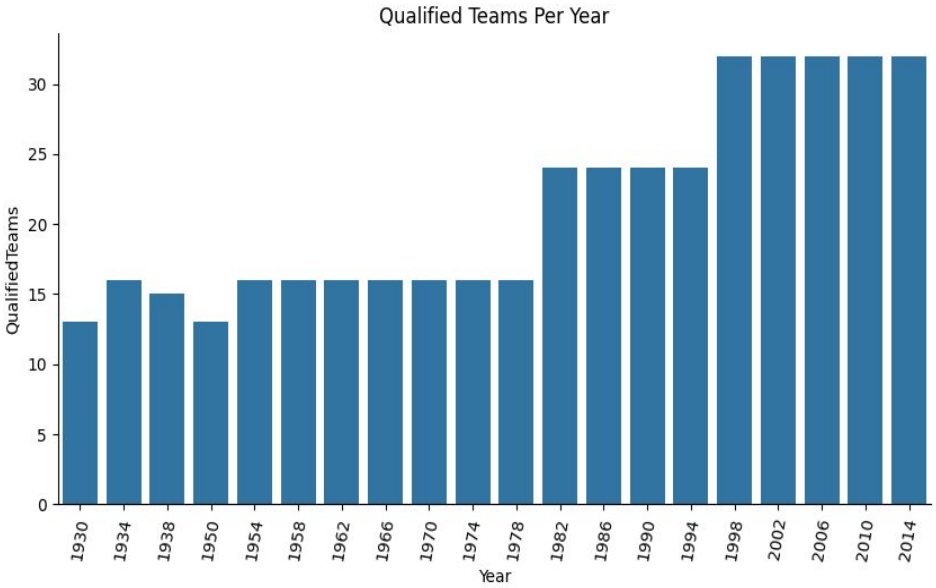

Top 20 Countries by Goals
Goals
0
50
100
150
200
Germany
Brazil
Argentina
Italy
France
Spain
Netherlands
Hungary
Uruguay
England
Sweden
Yugoslavia
Mexico
Belgium
Soviet Union
Switzerland
Poland
Czechoslovakia
Austria
Portugal
Countries

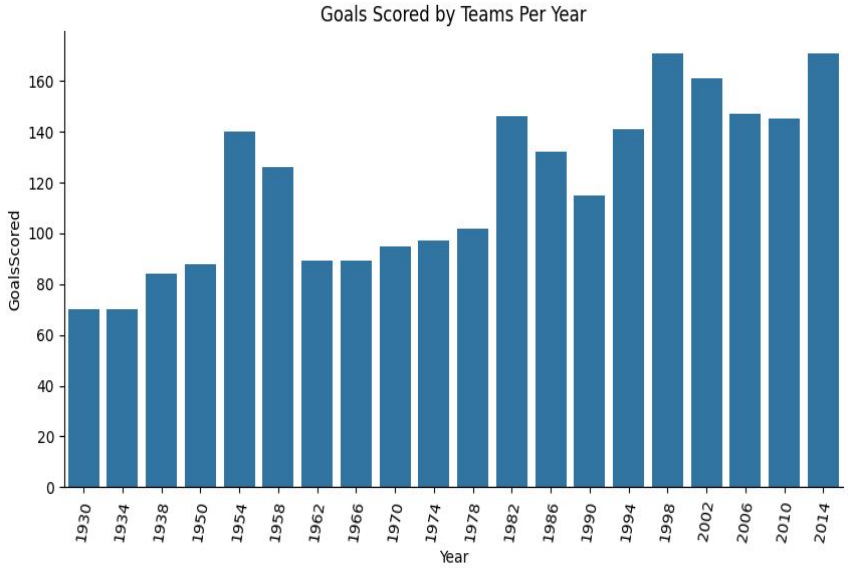

Match Outcome By Home and Away Team
Home Team Win
57%
20%
22%
Away Team Win
DRAW
count


Matches with the highest number of Attendence
Uruguay vs Brazil
Brazil vs Spain
Brazil vs Yugoslavia
Brazil vs Sweden
Mexico vs Paraguay
Argentina vs Germany
Mexico vs Bulgaria
Argentina vs England
Argentina vs Belgium
Belgium vs Mexico
Stadium: Maracan Stadium
Stadium: Maracan Stadium
Stadium: Maracan Stadium
Stadium: Maracan Stadium
Stadium: Estadio Azteca
Stadium: Estadio Azteca
Stadium: Estadio Azteca
Stadium: Estadio Azteca
Stadium: Estadio Azteca
Stadium: Estadio Azteca
Match Teams
0
25000
50000
75000
100000
125000
150000
175000
Attendence


Stadium with the heighest number of attendance
Estadio Azteca
Rose Bowl
Wembley Stadium
Maracan Stadium
Soccer City Stadium
Santiago Bernabeu
Stanford Stadium
Stade de France
Giants Stadium
Stadio Olimpico
City: Mexico City
City: Los Angeles
City: London
City: Rio De Janeiro
City: Johannesburg
City: Madrid
City: San Francisco
City: Saint-Denis
City: New York/New Jersey
City: Rome
Stadium Names
0
20000
40000
60000
80000
100000
Attendance


Top 20 Cities By Number Of Matches
Number of Matches
0
5
10
15
20
Mexico City
Montevideo
Rio De Janeiro
Guadalajara
Johannesburg
Sao Paulo
Buenos Aires
Munich
Leon
Belo Horizonte
Gelsenkirchen
Stuttgart
Dortmund
Frankfurt/Main
London
Santiago De Chile
Brasilia
Bordeaux
Marseilles
Saint-Denis
City


Qualified Teams Per Year
QualifiedTeams
0
5
10
15
20
25
30
1930
1934
1938
1950
1954
1958
1962
1966
1970
1974
1978
1982
1986
1990
1994
1998
2002
2006
2010
2014
Year


Goals Scored by Teams Per Year
GoalsScored
0
20
40
60
80
100
120
140
160
1930
1934
1938
1950
1954
1958
1962
1966
1970
1974
1978
1982
1986
1990
1994
1998
2002
2006
2010
2014
Year

THANK YOU