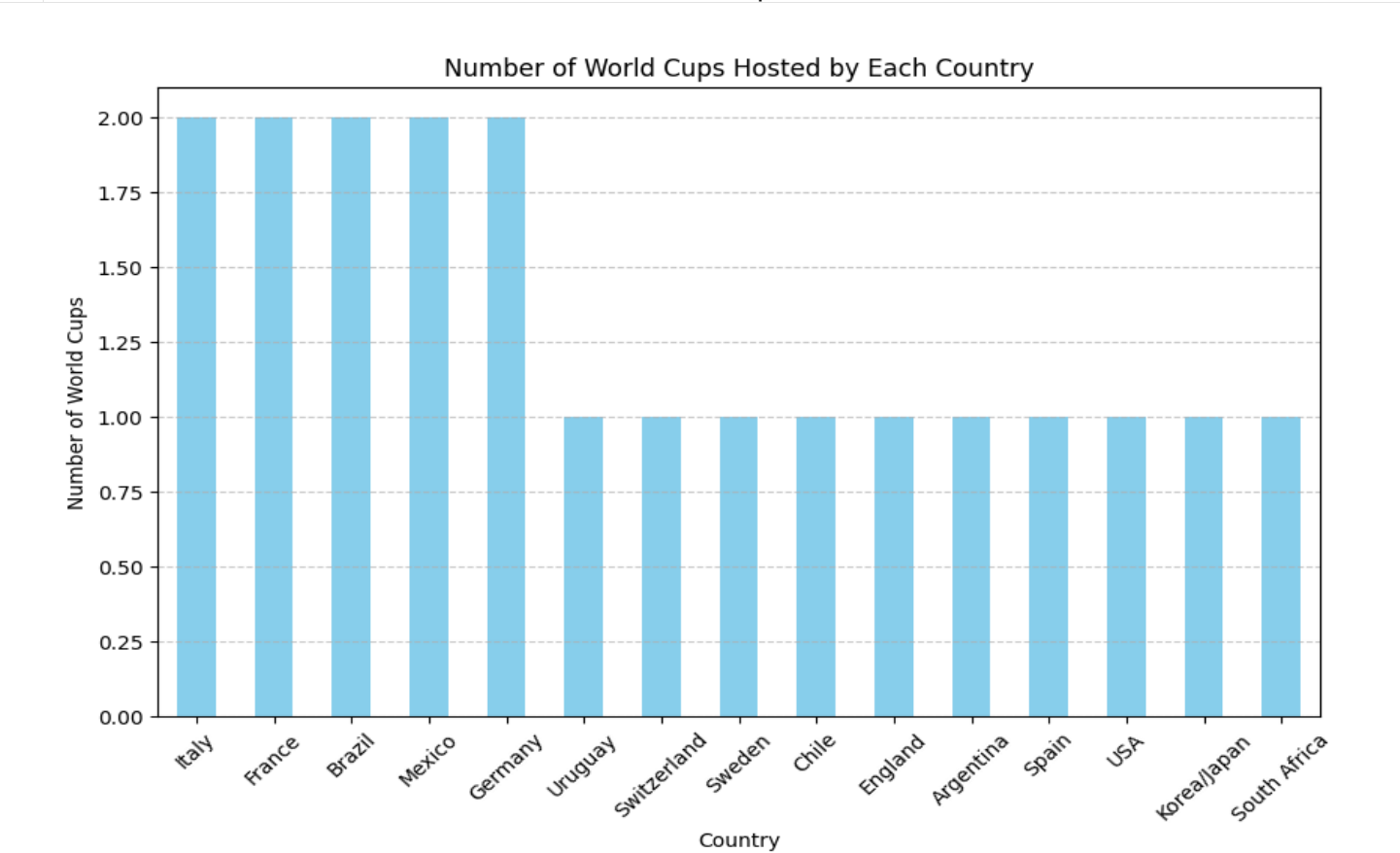


# Project 11\_ FIFA World Cup Analysis

## 1. Number of World Cups Hosted by Each Country (Bar Chart)

**Summary:** This bar chart displays the number of World Cups hosted by each country. Each bar represents a country, and the height of the bar indicates the number of times that country has hosted the World Cup.

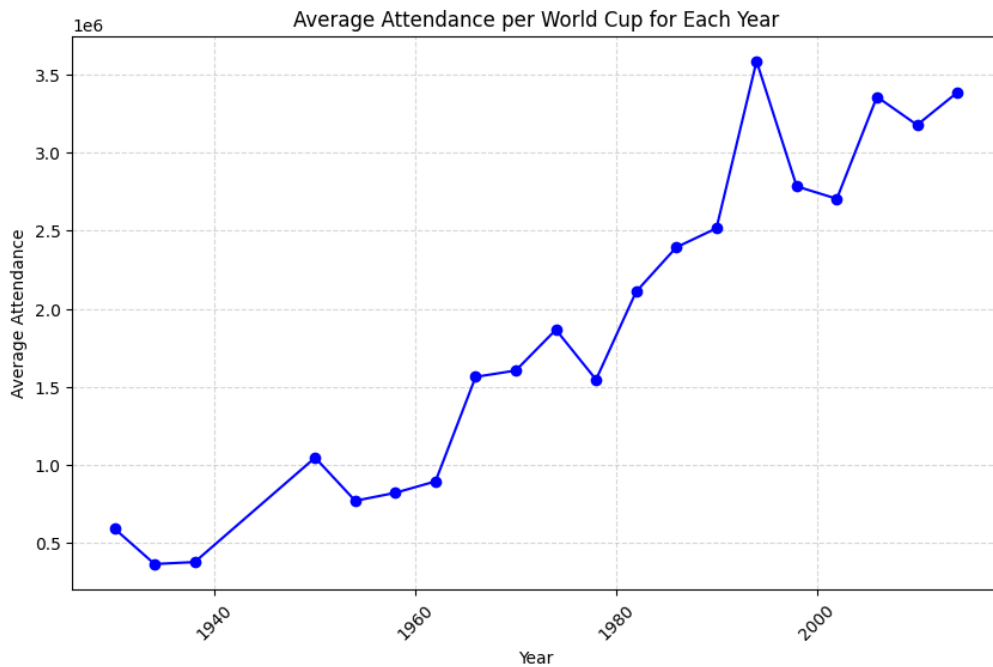
- Brazil has hosted the World Cup the greatest number of times, followed by Italy and Germany.
- Some countries have never hosted the World Cup.



## 2. Average Attendance per World Cup for Each Year (Line Chart)

**Summary:** The line chart shows the average attendance per World Cup for each year. Each point on the line represents a specific World Cup year, and the vertical position of the point indicates the average attendance for that year.

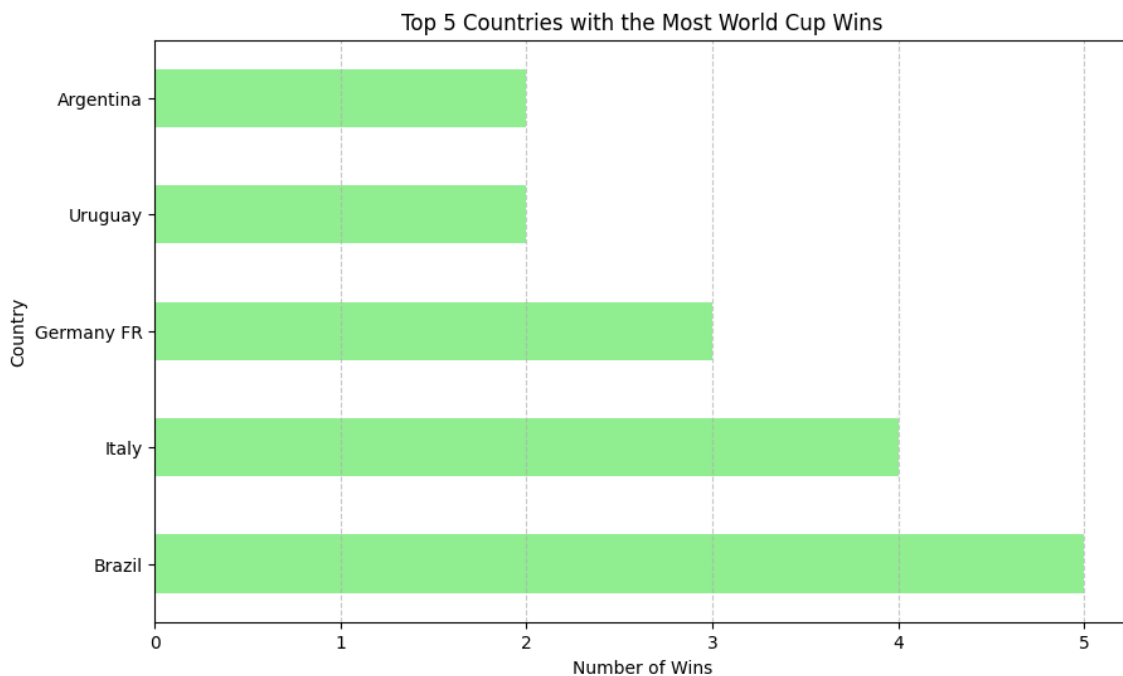
- Average attendance tends to fluctuate over the years, with some peaks and dips.
- There is a general trend of increasing average attendance over time, indicating growing interest in the World Cup.



### 3. Top 5 Countries with the Most World Cup Wins (Horizontal Bar Chart)

**Summary:** This horizontal bar chart displays the top 5 countries with the most World Cup wins. Each bar represents a country, and the length of the bar indicates the number of times that country has won the World Cup.

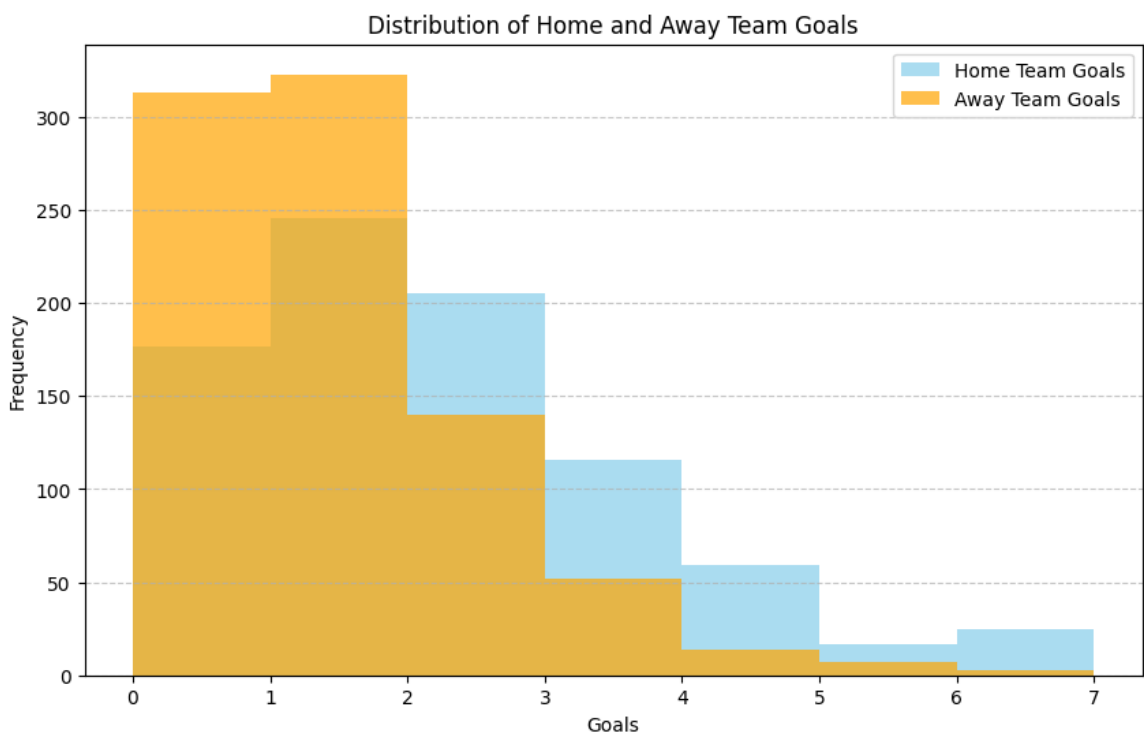
- Brazil has won the most number of World Cups, followed by Italy, Germany, Argentina, and Uruguay.
- These top 5 countries have historically dominated the World Cup tournament.



## 4. Distribution of Home and Away Team Goals (Histogram)

**Summary:** The histogram shows the distribution of goals scored by home and away teams in World Cup matches.

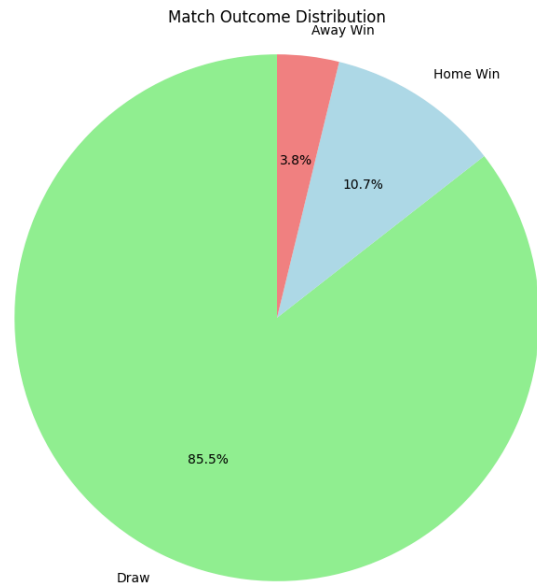
- The x-axis represents the number of goals scored, and the y-axis represents the frequency of matches.
- Both home and away team goals follow a similar distribution, with most matches having a low number of goals scored by either team.



## 5. Match Outcome Distribution (Pie Chart)

**Summary:** This pie chart displays the distribution of match outcomes in World Cup matches. It categorizes matches into three outcomes: Home Win, Away Win, and Draw.

- Home Win: Represents the percentage of matches where the home team scored more goals than the away team.
- Away Win: Represents the percentage of matches where the away team scored more goals than the home team.
- Draw: Represents the percentage of matches where the number of goals scored by both teams was equal.



## 6. Average Attendance per Match for Each Year (Line Chart)

**Summary:** The line chart shows the average attendance per match for each year of the World Cup tournament.

- Each point on the line represents a specific year, and the vertical position of the point indicates the average attendance per match for that year.
- There is a general trend of increasing average attendance per match over the years, suggesting growing interest and larger crowds attending World Cup matches.

