Title of the Project: FIFA World Cup Analysis (1930 – 2022)

Data Sources

The data for this project was initially sourced from a GitHub repository (link: https://github.com/jfjelstul/worldcup/tree/master/data-csv). To align the data with the project's objectives, I processed and combined multiple files using Python. The final curated dataset, tailored to our analysis, can be found here (Final_files). This refined dataset allowed us to derive meaningful insights and create interactive visualizations that bring the FIFA World Cup story to life.

Bringing the Data to Life

This project is a celebration of the FIFA World Cup's rich history, showcasing its most iconic moments and team dynamics through data. Each dashboard was designed with a focus on storytelling, transforming raw statistics into engaging visuals that capture the excitement, rivalries, and strategies of the tournament. The goal was to create an interactive experience where fans and analysts alike can explore the World Cup's legacy, understand its global impact, and appreciate the tactical brilliance that defines the beautiful game.

Overview: Telling the Story of the FIFA World Cup

This dashboard brings the FIFA World Cup to life by showcasing the rich history, player dynamics, and team performance that make the tournament a global phenomenon. It highlights how midfielders and defenders are central to the game, and how legendary players like Maradona and Zidane are remembered for their memorable moments on the field. The map visualizes penalties scored across tournaments like 2014 and 2022, while the treemap reveals match results by country, offering an interactive way to explore World Cup data and uncover exciting stories behind the numbers.

Records: Celebrating Iconic Scoring Moments

This dashboard captures the most thrilling moments of FIFA World Cup scoring history. It showcases record-breaking performances, the highest-scoring matches, and how team records have evolved over decades. From tournaments with the most goals to matches with extraordinary winning margins, each chart provides insights into the unforgettable moments that shaped the World Cup. Interactive filters allow users to focus on metrics like total goals, record-breaking achievements, and scoring trends, creating a dynamic way to explore football's greatest feats.

Global Engagement: The World Cup's Growing Reach

This dashboard highlights the increasing global engagement in FIFA World Cup tournaments. It shows how host countries attract fans, with darker map regions representing higher attendance. The charts track how the number of teams and matches has grown over time, reflecting the tournament's evolution into a truly global event. A bubble chart compares host countries based

on engagement, illustrating the tournament's popularity and participation. This section celebrates the World Cup's journey as a unifying force across nations.

Historic Rivalries: Unveiling Football's Greatest Battles

This dashboard dives into the historic rivalries that have defined FIFA tournaments. Key matchups like Germany vs. Japan and Brazil vs. China come alive in the bubble chart, while a line chart tracks scoring patterns for home and away teams over decades. A bar chart breaks down goals scored in these legendary clashes, offering insights into the performances that fueled these rivalries. With interactive filters, users can explore specific rivalries and match details, reliving the most competitive and memorable games in World Cup history.

Tactical Analysis: The Impact of Strategy on Success

This dashboard explores the tactical side of FIFA tournaments, analyzing how different play styles—Attacking, Balanced, and Defensive—impact team performance. Line charts track goals scored and conceded, highlighting offensive and defensive strengths across teams. A detailed table links play styles to tournament stages, showing how strategies evolve in group stages, quarter-finals, and finals. The bar chart compares goals, goals conceded, and win rates, revealing the effectiveness of each approach. Filters make it easy to dive deeper into specific tournaments and strategies, providing a comprehensive view of how tactics shape success.

This project is my independent analysis of the FIFA World Cup from 1930 to 2022.
I sourced, cleaned, and visualized the data to uncover key insights about team performance,
historic rivalries, and tactical trends.   Using Python and data visualization tools,
I transformed raw data into engaging dashboards that tell the story of the tournament's evolution.