Visualization of FIFA WORLD CUP Stats on Web platform

PRESENTED BY:
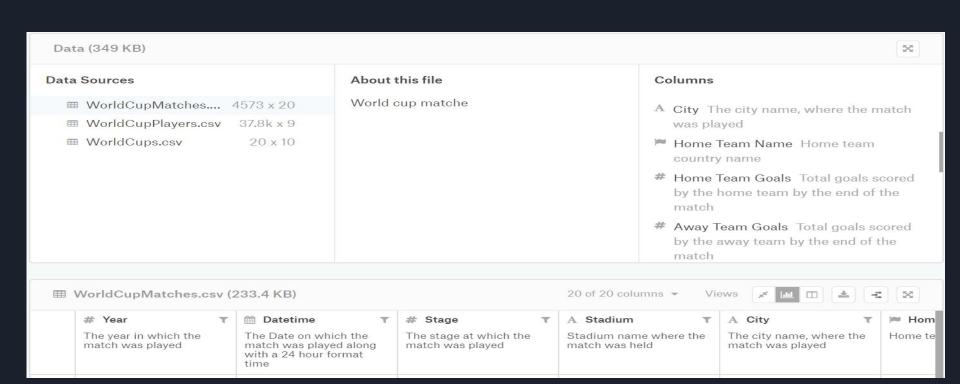
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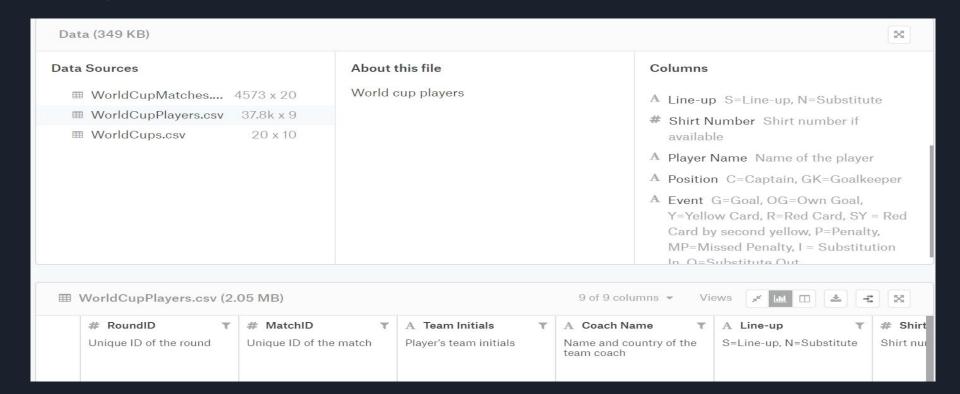Md Nafize SADIK
 Kumar Saikat HALDER

Introduction

The purpose of this project is to create an Interactive dynamic website which is user friendly and able to meet users needs by answering requested questions and responding to applied filters.

Dataset Selection

- Kaggle Dataset
- FIFA world Cup dataset from 1930-2014
- Information of Winner, Runners-Up Countries, Attendance of fans in the stadium and others.

Dataset

kaggle   Search   Competitions   Datasets   Kernels   Discussion   Learn   •••   Sign In

Dataset

FIFA World Cup

All the results from World Cups

Andre Becklas   • updated a year ago (Version 5)   ∧   466

Data   Kernels (63)   Discussion (8)   Activity   Download (349 KB)   **New Kernel**

Dataset

Data (349 KB)

Data Sources

⊞	WorldCupMatches....	4573 x 20
⊞	WorldCupPlayers.csv	37.8k x 9
⊞	WorldCups.csv	20 x 10

About this file

World cup matche

Columns

A **City** The city name, where the match was played

⚑ **Home Team Name** Home team country name

Home Team Goals Total goals scored by the home team by the end of the match

Away Team Goals Total goals scored by the away team by the end of the match

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⊞ **WorldCupMatches.csv (233.4 KB)**   20 of 20 columns ⌄   Views

# **Year**	🗓 **Datetime**	# **Stage**	A **Stadium**	A **City**	⚑ **Hom**
The year in which the match was played	The Date on which the match was played along with a 24 hour format time	The stage at which the match was played	Stadium name where the match was held	The city name, where the match was played	Home te

Dataset

Data (349 KB)

Data Sources

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About this file

World cup players

Columns

A **Line-up** S=Line-up, N=Substitute

\# **Shirt Number** Shirt number if available

A **Player Name** Name of the player

A **Position** C=Captain, GK=Goalkeeper

A **Event** G=Goal, OG=Own Goal, Y=Yellow Card, R=Red Card, SY = Red Card by second yellow, P=Penalty, MP=Missed Penalty, I = Substitution In, O=Substitute Out

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⊞ WorldCupPlayers.csv (2.05 MB)   9 of 9 columns ▾   Views

\# **RoundID**	\# **MatchID**	A **Team Initials**	A **Coach Name**	A **Line-up**	\# **Shir**
Unique ID of the round	Unique ID of the match	Player's team initials	Name and country of the team coach	S=Line-up, N=Substitute	Shirt nu

Dataset

Data (349 KB)

Data Sources

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About this file

All FIFA WorldCup

Columns

A **Third**   Team who was the third place

A **Fourth**   Team who was the fourth place

\# **GoalsScored**   Total goals scored in the worldcup

\# **QualifiedTeams**   Total participating teams

\# **MatchesPlayed**   Total matches played in the cup

\# **Attendance**   Total attendance of the

▦ WorldCups.csv (1.38 KB)   10 of 10 columns ▾   Views

\# **Year**	A **Country**	A **Winner**	A **Runners-Up**	A **Third**	A **Fourth**
Year of the worldcup	Country of the worldcup	Team who won the worldcup	Team who was the second place	Team who was the third place	Team who place

Tools and programs used

HTML5

CSS 6

BOOTSTRAP 4

JAVASCRIPT

Canvas JS

Challenges and solutions

- Dataset Analysis before performing operations.
- Necessary Dataset cleaning.
- Key challenges to perform visualization from three different files.
- Needed to perform operation on columns to find highest value to lowest value.
- Necessary operations to connect visualization portion with interactive filters.
- Finally visualization of informations by different charts.

Features

- Slide show of world cup winners
- Recent News Link about FIFA and players Transfer.
- Filter interactions with Dataset.
- Informations about 8 teams who have won World Cup so far.
- Charts having visualization of dataset
- Animation containing lucrative FIFA WORLD CUP TROPHY

DEMO

Future Work

- Extending the data range and information our website
- Making it available online
- Make fast and easy source for people interested for fast and understandable data about World Cup's history, current situation and prediction of future.

References

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