

Computer Applications Lab

0907331

Project: Football Data Analysis

(Due:10/1/2022)

Description

In this project you are responsible for analyzing the World cup data since 1930 in addition to the comprehensive dataset of current professional players and presenting it in a meaningful way. There are several datasets that are available online and you can use in your project. The Dataset Resources section contains some suggested datasets that you can use.

At the end of this project you have to submit a report that meets the following requirements:

- 1- Description of the dataset(s) used in this project. This includes the source, number of fields (columns), number of entries (rows) and the description of each field.
- 2- Plots that shows a meaningful insights from the given dataset. The displayed data should include some dynamic data that is computed using different fields and cannot be concluded from the excel sheet easily. For each plot you have to include
 - a. The code used to generate the plot
 - b. A brief description for each plot

Dataset Resources

The Dataset files are available on the MS Teams page. However, you are not limited to these resources. So if you find any other dataset from a reliable resource feel free to use it.

In the provided dataset there are three files:

- 1- WorldCupMatches.csv: Contains the details of all the world cup games since 1930
- 2- Players_WorldCup_Wins.csv: contains the number of times the players won the world cup title.
- 3- RecentProfessionalPlayers.csv: Contains information about current professional players.

Logistics

- 1- You are allowed to work on the project in teams of **Two**
- 2- In the report you should mention the role of each student in the project
- 3- Each group should submit the final report, the code and the used dataset on MS teams.
- 4- Cheating will not be tolerated.