# FOOTBALL

**OVERVIEW**

Football or Soccer is one of the most interesting game played between two teams with eleven players. International Federation of Association Football (FIFA) organizes World cups for every four years.

This project analyzes list of football players whose age is 28 and 30. A complete data set of Soccer players who are involved in FIFA are listed along with a detailed information on their record of matches played and also the location where the match is conducted. There is an existing application “football.db” which determines all the details about the soccer matches including but this application didn't involve in retrieving the details of a specific player. This project will focus on analyzing the players of a certain age and also will analyze the number of goals made by them.

**Problem:** The previous application doesn’t visualize performance of football players. But this project involves in analyzing the performance of the players by comparing the number of matches played by them versus goals he earned.

# DATA

The data provided in this data package is extracted from the following sources: <https://github.com/footballdata>

<https://github.com/openfootball/de-deutschland> <https://github.com/openfootball/eng-england>

Some of the API's are also referred:

<http://api.football-data.org/v1/soccerseasons/351/teams> <http://www.sportsdb.org/sd>

**DATA ACQUISTION**:

It is very difficult to analyze all the details of a specific player among different players in the pool.

In this review we discuss various data- dependent and independent acquisition methods. Depending upon the datasets which gives the information about the number of matches conducted every year and number of players who are involved in FIFA. The number of goals each player earned can be determined and kept in record. So the data which is dependent here is the common data for most of the players who played same number of games. The independent data is the number of goals earned by each player. Visualization is one data mining tool which can be used here. Analysis of data can be also done by creating modules in separating data. So first all the datasets should be separated and then it will be easy to collect data for individual player.

**RESEARCH QUESTIONS:**

* Analyzing each player individually.
* Tracking the number of Goals from the first match.

# PROJECT MANAGEMENT TEAM

|  |  |  |
| --- | --- | --- |
| **Team member** | **Roles and** | **Contributions** |
| Rakesh Reddy Jammula | Analyzing the data sets collecting API's. | Collected the sources of data sets. |
| Arshad Mohammed | Analyze the performance of players. | Collected all the information about each player. |

**DELIVERABLES AND CHECKPOINTS**

|  |  |  |  |
| --- | --- | --- | --- |
| Check Point Date | Expected Deliverable | Responsible Team Member | Check point Result |
| 02/15/16 | Project Proposal | Rakesh Reddy, Arshad | Overview of Project. |
| 03/08/16 | Data Acquisition and Research Inquiry | Arshad, Rakesh Reddy | Initial Inquiry and Cleaned data acquisition. |