Package ‘FPLdata’

October 12, 2022

Title  Read in Fantasy Premier League Data
Version  0.1.0
Maintainer  Andrew Little <andrewlittlebristol@gmail.com>
Description  This data contains a large variety of information on players and their current attributes on Fantasy Premier League
<https://fantasy.premierleague.com/>. In particular, it contains a `next_gw_points` (next gameweek points) value for each player given their attributes in the current week. Rows represent player-gameweeks, i.e. for each player there is a row for each gameweek. This makes the data suitable for modelling a player's next gameweek points, given attributes such as form, total points, and cost at the current gameweek. This data can therefore be used to create Fantasy Premier League bots that may use a machine learning algorithm and a linear programming solver (for example) to return the best possible transfers and team to pick for each gameweek, thereby fully automating the decision making process in Fantasy Premier League. This function simply supplies the required data for such a task.

Imports  readr, dplyr
License  MIT + file LICENSE
Encoding  UTF-8
RoxygenNote  7.1.2
NeedsCompilation  no
Author  Andrew Little [aut, cre]
Repository  CRAN
Date/Publication  2021-12-03 08:30:05 UTC

R topics documented:

FPLdata ................................................................. 2

Index ................................................................. 3
FPLdata  

Read in Fantasy Premier League Data

Description

Read in the weekly-updated Fantasy Premier League football data from the GitHub repository fplmodels.

Usage

FPLdata()

Details

This data contains a large variety of information on players and their current attributes on Fantasy Premier League. In particular, it contains a next_gw_points (next gameweek points) value for each player given their attributes in the current week. Rows represent player-gameweeks, i.e. for each player there is a row for each gameweek. This makes the data suitable for modelling a player’s next gameweek points, given attributes such as form, total points, and cost at the current gameweek. This data can therefore be used to create Fantasy Premier League bots that may use a machine learning algorithm and a linear programming solver (for example) to return the best possible transfers and team to pick for each gameweek, thereby fully automating the decision making process in Fantasy Premier League. This function simply supplies the required data for such a task.

Value

A dataframe (tibble).

Examples

library(dplyr)

fpl_data <- FPLdata()

head(fpl_data)

fpl_data %>%
  group_by(web_name) %>%
  summarise("mean_next_gw_points" = mean(next_gw_points, na.rm = TRUE)) %>%
  arrange(-mean_next_gw_points)
Index

FPLdata, 2