

# Package: FPLdata (via r-universe)

September 14, 2024

**Title** Read in Fantasy Premier League Data

**Version** 0.1.1

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**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, tidyr

**License** MIT + file LICENSE

**Encoding** UTF-8

**RoxygenNote** 7.1.2

**URL** <https://andrewl776.github.io/FPLdata/>

**Repository** <https://andrewl776.r-universe.dev>

**RemoteUrl** <https://github.com/andrewl776/fpldata>

**RemoteRef** HEAD

**RemoteSha** 919d4fa4d81a805dc182b080c5edc3e990553a87

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FPLdata

*Read in Fantasy Premier League Data*

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## 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)
```

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