

DataScouteR

Introduction

DataScouteR is an R package for football scouting and player evaluation. It provides Football Manager-style (1–20) ratings derived from advanced performance metrics, scaled for intuitive interpretation.

The current version focuses on goalkeepers, offering a clean and simple interface to access precomputed scouting data.

Installation

The package can be installed directly from GitHub:

```
# install.packages("remotes")
# remotes::install_github("machoude/DataScouteR")
```

Loading the package

```
library(DataScouteR)
```

Goalkeeper scouting data

Goalkeeper data can be accessed using the `get_gk()` function.

```
gk <- get_gk()
head(gk)

#> # A tibble: 6 x 10
#>   Player  Division Squad Pos   Age MatchesPlayed ShotStopping Passing CrossStopping
#>   <chr>    <chr>  <chr> <chr> <dbl>      <dbl>     <dbl>      <dbl>
#> 1 Alisson ENG1  Live~ GK  33-0~    14       7.98     8.02     8.72
#> 2 Alphons~ ENG1  West~ GK  32-3~    15       7.01     6.44     7.05
#> 3 Gianlui~ ENG1  Manc~ GK  26-3~    16      10.3     9.49     6.17
#> 4 Martin ~ ENG1  Burn~ GK  36-3~    19      12.0     8.15     5.81
#> 5 Dean He~ ENG1  Crys~ GK  28-2~    19      11.6     4.11     6.79
#> 6 Sam Joh~ ENG1  Wolv~ GK  32-2~    12      6.12     12.2     7.31
#> # i 1 more variable: Sweeper <dbl>
```

Interpreting the ratings

All performance metrics are scaled to a 1–20 range, similar to Football Manager ratings, for easier interpretation.

A value around 10 represents an average performance level, while values above 12 indicate above-average quality for the given role. Higher values reflect stronger relative performance, adjusted across leagues and competitions.

Data source

The underlying performance data are sourced from FBref. Metrics are processed, standardized, and rescaled for scouting purposes. DataScouteR is not affiliated with FBref.

Future development

Future versions of DataScouteR will expand coverage to additional positions, following the same interface and design principles.