

# DataScouterR

## Introduction

DataScouterR 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/DataScouterR")
```

## Loading the package

```
library(DataScouterR)
```

## 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> <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. DataScouterR is not affiliated with FBref.

## **Future development**

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