

Package: ggfootball (via r-universe)

March 7, 2025

Title Plotting Football matches Expected Goals (xG) Stats with 'Understat' Data

Version 0.2.0

Description Scrapes football match shots data from 'Understat' <<https://understat.com/>> and visualizes it using interactive plots: - A detailed shot map displaying the location, type, and xG value of shots taken by both teams. - An xG timeline chart showing the cumulative xG for each team over time, annotated with the details of scored goals.

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Encoding UTF-8

Roxygen list(markdown = TRUE)

RoxygenNote 7.3.2

Imports base64enc, dplyr (>= 1.0.0), gdtools, gfonts, ggiraph, ggplot2, ggsoccer, glue, highcharter, utils, rvest, stringi, stringr, qdapRegex, jsonlite, readr, tibble

URL <http://aymennasri.me/ggfootball/>

BugReports <https://github.com/aymennasri/ggfootball/issues>

Config/pak/sysreqs libcairo2-dev libfontconfig1-dev libfreetype6-dev libglpk-dev make libicu-dev libpng-dev libxml2-dev libssl-dev libx11-dev zlib1g-dev

Repository <https://aymennasri.r-universe.dev>

RemoteUrl <https://github.com/aymennasri/ggfootball>

RemoteRef HEAD

RemoteSha b6175c29ceed93c2ddb984a98c8ea85da142b643

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`xg_chart`*Plot an xG chart of a football match*

Description

Plot an xG chart of a football match

Usage

```
xg_chart(  
  match_id,  
  home_team_color,  
  away_team_color,  
  competition = "",  
  bg_color = "#FFF1E5",  
  plot_bg_color = "#FFF1E5"  
)
```

Arguments

<code>match_id</code>	Match ID from understat.com
<code>home_team_color</code>	Color used for the home team
<code>away_team_color</code>	Color used for the away team
<code>competition</code>	Competition name as a subtitle; empty by default.
<code>bg_color</code>	Chart background color; defaults to "#FFF1E5"
<code>plot_bg_color</code>	Plot background color; defaults to "#FFF1E5"

Value

Interactive highcharter plot displaying the xG chart of both teams.

Examples

```
xg_chart(26631, "red", "grey", competition = "Premier League")
```

`xg_map`*Plot shots xG of a football match*

Description

Plot shots xG of a football match

Usage

```
xg_map(match_id, title = "")
```

Arguments

<code>match_id</code>	Desired match ID from understat.com
<code>title</code>	Plot title; empty by default

Value

Interactive ggiraph transparent plot displaying both teams shots side by side printed to the Viewer.

Examples

```
xg_map(26631, title = "xG Map")
```

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