Package 'ggfootball'

March 23, 2025

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

Version 0.2.1

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.

License GPL (>= 3)

Encoding UTF-8

RoxygenNote 7.3.2

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

Depends R (>= 4.1.0)

URL http://aymennasri.me/ggfootball/

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

NeedsCompilation no

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Repository CRAN

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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

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

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xg_map   *Plot shots xG of a football match*

Description

Plot shots xG of a football match

Usage

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

Arguments

`match_id`	Desired match ID from understat.com
`title`	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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