

# Package ‘ggfootball’

January 31, 2025

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

**Version** 0.2.0

**Description** Scrapes 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), gdttools, 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>

**NeedsCompilation** no

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**Repository** CRAN

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

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### 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")
```

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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**

<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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