Package 'kgschart'

October 13, 2022

Type Package

Title KGS Rank Graph Parser

Version 1.3.5

Description Restore underlining numeric data from rating history graph of
KGS (an online platform of the game of go, <http://www.gokgs.com/>).
A shiny application is also provided.

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URL https://github.com/kota7/kgschart

BugReports https://github.com/kota7/kgschart/issues

Encoding UTF-8

Depends R (>= 2.10)

Imports abind, deepnet, ggplot2, graphics, grid, gridExtra, magrittr,
matrixStats, nnet, png, shiny, stats, stringr, utils

LazyData true

RoxygenNote 6.0.1

Suggests jsonlite, shinyjs, testthat

NeedsCompilation no

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Repository CRAN

Date/Publication 2017-07-02 22:16:15 UTC

R topics documented:

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download_graph *Download KGS rank graph*

Description

Access KGS server and download the latest rank graph of the specified player. Requires internet connection. Returns the path to the downloaded file if succeeded.

Usage

```
download_graph(id, dst = tempfile(), lang = "en", country = "US",
  method = "libcurl", ...)
```

Arguments

id	KGS ID
dst	destination file path or directory
lang	language code, a lower case character of length 2
country	country code, an upper case character of length 2
method	method to be used for downloading files. See download.file for details
...	optional arguments for download.file other than method and mode

Details

Default setting downloads the English version. Another good option is to set lang='ja' and country='JP', which downloads the Japanese version.

Value

path to the saved file

See Also

download.file

Examples

```
## Not run:
f <- download_graph('twoeye')
p <- png::readPNG(f)
plot.new()
rasterImage(p,0,0,1,1)
## End(Not run)
```

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kgschart   *KGS Rank Graph Parser*

Description

Parse a KGS rank graph and recover undelining numeric data.

Usage

```
kgschart(src, keep_image = FALSE, ...)
```

Arguments

src	png file name
keep_image	if TRUE, keep image arrays, otherwise discarded
...	other arguments for [readPNG](#)

Value

kgschart class object

Examples

```
x <- kgschart(system.file("extdata/leela-ja_JP.png",
                          package = "kgschart"))
head(x$data)
## Not run:
plot(x)
## End(Not run)
```

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kgschart_app   *Launch shiny app*

Description

Start "KGS Rank Graph Parser" applicaiton.

Usage

```
kgschart_app(...)
```

Arguments

...	optional arguments for [runApp](#)

Examples

```
## Not run:
kgschart_app()
## End(Not run)
```

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plot.kgschart   *Plot method for kgschart object*

Description

Plot data or image

Usage

```
## S3 method for class 'kgschart'
plot(x, y = NULL, image = FALSE, separate = FALSE, ...)
```

Arguments

x	kgschart class object
y	not in use
image	if TRUE, draw the image, otherwise plot the data
separate	if TRUE, and image is TRUE, draw the image separated by component. Useful for debugging.
...	not in use

Value

gtable object if image and separate are both TRUE, ggplot object otherwise

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print.kgschart   *Print method for kgschart object*

Description

Display basic information

Usage

```
## S3 method for class 'kgschart'
print(x, ...)
```

Arguments

x	kgschart class object
. . .	not in use

Value

Nothing

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