

# Package: kgschart (via r-universe)

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**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.

**License** MIT + file LICENSE

**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** <https://kota7.r-universe.dev>

**RemoteUrl** <https://github.com/cran/kgschart>

**RemoteRef** HEAD

**RemoteSha** 2e1e062300049b9b0b9d594b22bffe6c5bea4a87

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download_graph	<i>Download KGS rank graph</i>
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### 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 <a href="#">download.file</a> for details
...	optional arguments for <a href="#">download.file</a> 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*

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## 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 <a href="#">readPNG</a>

## 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	<i>Launch shiny app</i>
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**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	<i>Plot method for kgschart object</i>
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**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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<code>print.kgschart</code>	<i>Print method for kgschart object</i>
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**Description**

Display basic information

**Usage**

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

**Arguments**

<code>x</code>	kgschart class object
<code>...</code>	not in use

**Value**

Nothing

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