

# Package ‘RXKCD’

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**Type** Package

**Title** Get XKCD Comic from R

**Version** 1.8-2

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**Description** Visualize your favorite XKCD comic strip directly from R. XKCD <<https://xkcd.com>> web comic content is provided under the Creative Commons Attribution-NonCommercial 2.5 License.

**Depends** R (>= 2.11.0)

**Imports** graphics, utils, jpeg, png, RJSONIO

**Suggests** RCurl

**License** GPL-2

**LazyLoad** yes

**RoxygenNote** 6.0.1

**NeedsCompilation** no

**Repository** CRAN

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## R topics documented:

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`getXKCD`*Display your favorite XKCD comic in R*

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**Description**

This function fetches a XKCD comic strip (randomly or by number) and displays it on screen.

**Usage**

```
getXKCD(which = "current", display = TRUE, html = FALSE,  
        saveImg = FALSE)
```

**Arguments**

|                      |  |
|----------------------|--|
| <code>which</code>   | string: either "current" or "random"; or a number indicating the specific strip.   |
| <code>display</code> | logical; TRUE (default) if you like to display the strip on the screen.  |
| <code>html</code>    | logical; TRUE if you like to open the XKCD web page for the selected comic in your browser: if TRUE it sets display and saveImg arguments to FALSE. Default FALSE. |
| <code>saveImg</code> | logical; TRUE if you want to save image in the current directory. Default FALSE.   |

**Details**

Old R versions may have problems accessing HTTPS URLs such as those used on the XKCD website. In case the default method of `download.file` fails, alternatives will be tried. For the best chance to succeed, ensure that the command line tools "wget" and "curl" as well as the "RCurl" package are installed.

**Value**

a list containing the following fields:

- `img` URL of the XKCD comic strip image (png)
- `title` Title of the XKCD comic strip
- `month`
- `num` Number of the XKCD comic strip
- `link`
- `year` Year of publication
- `safe_title`
- `transcript`
- `alt`
- `day`
- `news`

**References**

<https://xkcd.com/license.html>

**Examples**

```
library("RXKCD")
significant <- getXKCD(882, display=FALSE)
```

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|            |  |
|------------|--|
| saveConfig | <i>Save XKCD database info into a file in the user directory</i> |
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**Description**

This function saves the xkcd database as a file in the user's home directory.

**Usage**

```
saveConfig()
```

**References**

<https://xkcd.com/license.html>

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|            |  |
|------------|--|
| searchXKCD | <i>Search your favorite XKCD comic strip by title/transcript</i> |
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**Description**

This function uses grep to inspect the title and transcript for all the occurrences of a specified string and returns a data.frame with both the number and the title of the XKCD comic strips.

**Usage**

```
searchXKCD(which = "significant")
```

**Arguments**

which            string.

**Value**

a data.frame containing the following fields:

- num The num of the XKCD comic strip
- title The title of the XKCD comic strip

**References**

<https://xkcd.com/license.html>

**Examples**

```
## Not run:  
library("RXKCD")  
searchXKCD(which="significant")  
searchXKCD(which="someone is wrong")  
## End(Not run)
```

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updateConfig

*Update the XKCD database saved in the user directory*

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**Description**

This function updates the local version of the XKCD database used by searchXKCD.

**Usage**

```
updateConfig()
```

**References**

<https://xkcd.com/license.html>

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