Package 'RXKCD'

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Type Package

Title Get XKCD Comic from R

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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.

Encoding UTF-8

Imports plyr, graphics, utils, jpeg, png, RJSONIO

Suggests RCurl

License GPL-2

LazyLoad yes

RoxygenNote 7.0.2

NeedsCompilation no

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Repository CRAN

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Contents

getXKCD	*Display your favorite XKCD comic in R*

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

which	string: either "current" or "random"; or a number indicating the specific strip.
display	logical; TRUE (default) if you like to display the strip on the screen.
html	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.
saveImg	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	*Save XKCD database info into a file in the user directory*

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	*Search your favorite XKCD comic strip by title/transcript*

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)
```

---

updateConfig	*Update the XKCD database saved in the user directory*

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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