Package ‘searcher’

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Title Query Search Interfaces
Version 0.0.6
Description Provides a search interface to look up terms on 'Google', 'Bing', 'DuckDuckGo', 'Startpage', 'Ecosia', 'rseek', 'Twitter', 'StackOverflow', 'RStudio Community', 'GitHub', and 'BitBucket'. Upon searching, a browser window will open with the aforementioned search results.

URL https://github.com/r-assist/searcher

BugReports https://github.com/r-assist/searcher/issues

Depends R (>= 3.3.0)

License GPL (>= 2)

Encoding UTF-8

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VignetteBuilder knitr

NeedsCompilation no

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searcher-package

searcher: Query Search Interfaces

Description

Provides a search interface to look up terms on 'Google', 'Bing', 'DuckDuckGo', 'Startpage', 'Ecosia', 'rseek', 'Twitter', 'StackOverflow', 'RStudio Community', 'GitHub', and 'BitBucket'. Upon searching, a browser window will open with the aforementioned search results.

Package Customizations

searcher accesses a set of default values stored in \texttt{options()} on each call to keep the function signatures small. By default, these options are given as:

- \texttt{searcher.launch_delay}: Amount of time to remain in \texttt{R} before opening a browser window. Default is 0.5 seconds.
- \texttt{searcher.use_rstudio_viewer}: Display search results in the RStudio viewer pane instead of a web browser. Default is \texttt{FALSE}.
- \texttt{searcher.default_keyword}: Suffix keyword to generate accurate results between either "base" or "tidyverse". Default is "base".
- ...

Author(s)

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See Also

Useful links:

- \url{https://github.com/r-assist/searcher}
- Report bugs at \url{https://github.com/r-assist/searcher/issues}
searcher

Generate a Searcher function for use with Error Handling

**Description**

Constructs a function object that will search the last R error message on search portals by opening a browser.

**Usage**

```r
searcher(site, keyword = getOption("searcher.default_keyword"))
```

**Arguments**

- `site`: Name of site to search on. Supported options: "google" (default), "bing", "duckduckgo", "startpage", "rstudio community", "twitter", "stackoverflow", "github", and "bitbucket".
- `keyword`: Opt to search under different default terms.

**Details**

This function acts as a closure. Thus, you will receive a function back when only specifying the `site` parameter. To call the function, add a second set of parentheses.

**Generic Error Search**

The `searcher` function grabs the last error message and tries to search it. This function will ensure that R language is the primary search context.

**Examples**

```r
### Manually
searcher("google")()

### Not run:
### Automatically
# On error, automatically search the message on google
options(error = searcher("google"))

# End(Not run)
```
searcher-defunct

Defunct functions in searcher

Description

Functions listed below are no longer included in the searcher package

Details

- search_ixquick(): The function binding was removed as the search engine name changed to "Startpage". Please use search_startpage().

search_site

Search a Query on a Search Portal in a Web Browser

Description

Creates an appropriate query string for a search engine and then opens up the resulting page in a web browser.

Usage

```r
search_site(
  query,
  rlang = TRUE
)
```

```r
search_google(query = geterrmessage(), rlang = TRUE)
search_bing(query = geterrmessage(), rlang = TRUE)
search_duckduckgo(query = geterrmessage(), rlang = TRUE)
search_ddg(query = geterrmessage(), rlang = TRUE)
search_ixquick(query = geterrmessage(), rlang = TRUE)
search_startpage(query = geterrmessage(), rlang = TRUE)
search_sp(query = geterrmessage(), rlang = TRUE)
search_ecosia(query = geterrmessage(), rlang = TRUE)
```
search_site

search_rseek(query = geterrmessage(), rlang = TRUE)
search_rstudio_community(query = geterrmessage(), rlang = TRUE)
search_rscom(query = geterrmessage(), rlang = TRUE)
search_twitter(query = geterrmessage(), rlang = TRUE)
search_stackoverflow(query = geterrmessage(), rlang = TRUE)
search_so(query = geterrmessage(), rlang = TRUE)
search_github(query = geterrmessage(), rlang = TRUE)
search_gh(query = geterrmessage(), rlang = TRUE)
search_bitbucket(query = geterrmessage(), rlang = TRUE)
search_bb(query = geterrmessage(), rlang = TRUE)

Arguments

query  Contents of string to search. Default is the error message.
site   Name of site to search on. Supported options: "google" (default), "bing", "duckduckgo", "startpage", "rstudio community", "twitter", "stackoverflow", "github", and "bitbucket".
rlang  Search for results written in R. Default is TRUE

Value

The generated search URL or an empty string.

Google Search

The search_google function searches Google using: https://www.google.com/search?q=<query>
See https://moz.com/blog/the-ultimate-guide-to-the-google-search-parameters for details.

Bing Search

The search_bing() function searches Bing using: https://www.bing.com/search?q=<query>

DuckDuckGo Search

The search_duckduckgo() and search_ddg() functions both search DuckDuckGo using: https://duckduckgo.com/?q=<query>
Startpage Search

The search_startpage() function searches startpage using: https://startpage.com/do/dsearch?query=<query>
For additional details regarding startpage’s search interface please see: https://support.startpage.com/index.php?Knowledgebase/Article/View/1261/0/add-familystartpagecom-as-the-default-search-engine

Ecosia Search

The search_ecosia() function searches Ecosia using: https://www.ecosia.org/search?q=<query>
For additional details regarding Ecosia’s search interface please see: https://ecosia.zendesk.com/hc/en-us

Rseek Search

The search_rseek() function searches Rseek using: https://rseek.org/?q=<query>

RStudio Community Search

The search_rstudio_community() and search_rscom() functions both search RStudio Community using: https://community.rstudio.com/search?q=<query>
For additional details regarding RStudio Community’s search interface please see the Discourse API documentation: https://docs.discourse.org/#tag/Search

Twitter Search

The search_twitter() functions search Twitter using: https://twitter.com/search?q=<query>
For additional details regarding Twitter’s search interface please see: https://help.twitter.com/en/using-twitter/twitter-advanced-search

StackOverflow Search

The search_stackoverflow() and search_so() functions both search StackOverflow using: https://stackoverflow.com/search?q=%5Br%5D+<query>
For additional details regarding StackOverflow’s search interface please see: https://stackoverflow.com/help/advanced-search-parameters-jobs

GitHub Search

The search_github() and search_gh() functions both search GitHub using: https://github.com/search?q=<query>+language%3Ar+type%3Aissue&type=Issues
For additional details regarding GitHub’s search interface please see: https://help.github.com/categories/searching-for-information-on-github/ and https://help.github.com/articles/searching-code/

BitBucket Search

The search_bitbucket() and search_bb() functions both search BitBucket using: https://bitbucket.org/search?q=lang%3Ar+<query>
For additional details regarding BitBucket’s search interface please see: https://confluence.atlassian.com/bitbucket/code-search-in-bitbucket-873876782.html
See Also

search_google(), search_bing(), search_duckduckgo(), search_startpage(), search_rseek(), search_twitter(), search_rstudio_community(), search_stackoverflow(), search_github(), search_bitbucket(), and searcher()

Examples

# Search in a generic way
search_site("r-project", "google")

# Search Google
search_google("r-project")

# Search Bing
search_bing("Microsoft R")

# Search DuckDuckGo
search_duckduckgo("R language")

# Search startpage
search_startpage("VS Code")

# Search Rseek
search_rseek("searcher")

# Search RStudio Community
search_rstudio_community("RStudio IDE")

# Search Twitter
search_twitter("searcher")

# Search StackOverflow for Convolutions in the r tag
search_stackoverflow("convolutions")

# Search all languages on StackOverflow for convolutions
search_stackoverflow("convolutions", rlang = FALSE)

# Search GitHub Issues for bivariate normal in the language:r
search_github("bivariate normal")

# Search all languages on GitHub Issues for bivariate normal
search_github("bivariate normal", rlang = FALSE)

# Search BitBucket for assertions
search_bitbucket("assertions")

## Not run:
# On error, automatically search the message on google
options(error = searcher("google"))
options(error = search_google)

## End(Not run)
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