Package 'tinyscholar'

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Title Get and Show Personal 'Google Scholar' Profile

Version 0.1.7

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Description Provides functions to get personal 'Google Scholar'
profile data from web API and show it in table or figure format.

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URL https://github.com/ShixiangWang/tinyscholar

BugReports https://github.com/ShixiangWang/tinyscholar/issues

Imports curl, dplyr, ggplot2, gt, jsonlite, magrittr, purrr, rlang (>=
0.1.2), rvest (>= 1.0.0), stringr, xml2, R.utils

Suggests knitr, rmarkdown, roxygen2

VignetteBuilder knitr

Encoding UTF-8

RoxygenNote 7.2.0

NeedsCompilation no

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Repository CRAN

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R topics documented:

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scholar_plot   *Show Scholar Profile Plot.*

Description

Show Scholar Profile Plot.

Usage

```
scholar_plot(
  profile,
  bar_width = 0.5,
  add_total = FALSE,
  add_text = TRUE,
  title_citations = NULL,
  title_publications = NULL,
  caption_citations = paste("Update:", Sys.Date()),
  caption_publications = caption_citations
)
```

Arguments

profile	Result from tinyscholar.
bar_width	bar width.
add_total	If TRUE (not default), add total records in plot.
add_text	If TRUE (default), add text on the top of bar.
title_citations	
	Title for plot citations. Set by ggplot2::labs.
title_publications	
	Title for plot publications. Set by ggplot2::labs.
caption_citations	
	Caption for plot citations. Set by ggplot2::labs.
caption_publications	
	Caption for plot publications. Set by ggplot2::labs.

Value

a length-2 list of ggplot2::ggplot object.

See Also

tinyscholar, scholar_table

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scholar_search *Search Google Scholar Highly Related Papers or Author*

Description

Search Google Scholar Highly Related Papers or Author

Usage

```
scholar_search(
  keyword,
  is_author = TRUE,
  server_url = "https://api.scaleserp.com",
  server_key = NULL
)
```

Arguments

keyword	A keyword, can be author name, e.g. "Shixiang Wang".
is_author	Default is TRUE, find author information, if FALSE, return the first page result in search engine.
server_url	Server URL, here I use Scale SERP API.
server_key	Key for searching data (multiple is acceptable), you can obtain it from URL above. If not set, use personal key from Shixiang. Total 125x2 free searches per month.

Value

A data.frame or a list.

Examples

```
x <- scholar_search("Shixiang Wang")
x
x <- scholar_search("Shixiang Wang", is_author = FALSE)
if (!is.null(x)) {
  x$gt
}
```

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scholar_table   *Show Scholar Profile Table*

Description

Show Scholar Profile Table

Usage

```
scholar_table(
  profile,
  as_raw_html = FALSE,
  title_citations = "Citations",
  title_publications = "Publications",
  caption_citations = gt::md(paste("**Update**:", Sys.Date())),
  caption_publications = caption_citations
)
```

Arguments

profile   Result from [tinyscholar](#).

as_raw_html   If TRUE (not default), convert result [gt::gt](#) object to raw html text. This is useful
                   when apply the result to GitHub Markdown file.

title_citations
                   Title for table citations. Set by [gt::tab_header](#).

title_publications
                   Title for table publications. Set by [gt::tab_header](#).

caption_citations
                   Caption for table citations. Set by [gt::tab_source_note](#).

caption_publications
                   Caption for table publications. Set by [gt::tab_source_note](#).

Value

a length-2 list of [gt::gt](#)/html object.

See Also

[tinyscholar](#), [scholar_plot](#)

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tinyscholar   *Get Google Scholar Profile*

Description

Get Google Scholar Profile

Usage

```
tinyscholar(
  id,
  sortby_date = FALSE,
  use_cache = TRUE,
  cache_dir = file.path(tempdir(), "tinyscholar")
)
```

Arguments

id	Your google scholar identifier. You can find it in the URL of your google scholar profile.
sortby_date	Logical. If TRUE, the publications are sorted by date.
use_cache	If TRUE (default), store data to a cache file to avoid querying in next time within a day. The store file is identical for each person and each date.
cache_dir	A directory path.

Value

a `Profile` object with list structure.

Examples

```
# Put one unique Scholar ID from Google Scholar
r <- tinyscholar("FvNp0NkAAAAJ")
r
if (!is.null(r)) {
  tb <- scholar_table(r)
  tb$citations
  tb$publications
  pl <- scholar_plot(r)
  pl$citations
  pl$publications
}
```

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