Package 'tinyscholar'

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Title Get and Show Personal 'Google Scholar' Profile

Version 0.1.2

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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, stringr, xml2, R.utils

Suggests knitr, rmarkdown, roxygen2

VignetteBuilder knitr

Encoding UTF-8

LazyData true

RoxygenNote 7.1.1

NeedsCompilation no

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Repository CRAN

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R topics documented:

`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

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, you can obtain it from URL above. If not set, use personal key from Shixiang. Total 125 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
}
```

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

`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

```
r <- tinyscholar("FvNp0NkAAAAJ")
r
tb <- scholar_table(r)
tb$citations
tb$publications
pl <- scholar_plot(r)
pl$citations
pl$publications
```

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