

Package ‘wiksourcer’

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Type Package

Title Download Public Domain Works from Wikisource

Version 0.1.5

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Description Download public domain works from Wikisource <<https://wikisource.org/>>, a free library from the Wikimedia Foundation project.

License GPL-3

Encoding UTF-8

LazyData true

Depends R (>= 2.10)

Imports tibble, magrittr, rvest, purrr, xml2, urltools, httr, curl

RoxygenNote 7.1.0

URL <https://github.com/lgnbhl/wiksourcer>

BugReports <https://github.com/lgnbhl/wiksourcer/issues>

Suggests dplyr, stringr, knitr, rmarkdown, ggplot2, tidyr, tidytext, stopwords, widyr, SnowballC, ggraph, igraph

VignetteBuilder knitr

NeedsCompilation no

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Repository CRAN

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<code>gracefully_fail</code>	<i>Fail gracefully if Wikisource resources are not available</i>
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Description

The function allows to fail gracefully with an informative message if the Wikisource resource is not available (and not give a check warning nor error).

Usage

```
gracefully_fail(remote_url)
```

Arguments

<code>remote_url</code>	A remote URL.
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Details

See full discussion to be compliant with the CRAN policy <<https://community.rstudio.com/t/internet-resources-should-fail-gracefully/49199>>

<code>wikisource_book</code>	<i>Download a book from Wikisource</i>
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Description

Download a book using the url of a Wikisource content page into a data frame. The Wikisource table of content page should link to all the Wikisource pages constituting the book. The text in the Wikisource pages is downloaded using the `wikisource_page()` function.

Usage

```
wikisource_book(url, cleaned = TRUE)
```

Arguments

<code>url</code>	A url of a Wikisource content page listing the pages constituting the book.
<code>cleaned</code>	A boolean variable for cleaning Wikisource pages.

Details

The download could fail if the Wikisource paths listed into content page strongly differ from the url path of the content page.

Value

A five column tibble (a type of data frame; see tibble or dplyr packages) with one row for each line of the text or texts, with columns.

text A character column

title A character column with the title of the Wikisource summary page

page Integer column with a number for the text from each Wikisource page downloaded

language A character column with a two letter string referring the language of the text

url A character column with the url of the Wikisource page of the text

Examples

```
## Not run:

# download Voltaire's "Candide"
wikisource_book("https://en.wikisource.org/wiki/Candide")

# download "Candide" in French and Spanish
library(purrr)

fr <- "https://fr.wikisource.org/wiki/Candide,_ou_l'E2%80%99Optimisme/Garnier_1877"
es <- "https://es.wikisource.org/wiki/C3%A1ndido,_o_el_optimismo"
books <- map_df(c(fr, es), wikisource_book)

## End(Not run)
```

wikisource_page	<i>Download a page from Wikisource</i>
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Description

Download the text of a Wikisource page into a data frame using its url.

Usage

```
wikisource_page(wikiurl, page = NA, cleaned = TRUE)
```

Arguments

wikiurl	The url of a Wikisource page that will be downloaded.
page	A string naming the Wikisource page downloaded.
cleaned	A boolean variable for cleaning the Wikisource page.

Value

A four column `tbl_df` (a type of data frame; see `tibble` or `dplyr` packages) with one row for each line of the text or texts, with four columns.

text A character column

page A column naming the page downloaded

language A character column with a two letter string referring to the language of the text

url A character column with the url of the Wikisource page of the text

Examples

```
## Not run:
# download Sonnet 18 of Shakespeare
wikisource_page("https://en.wikisource.org/wiki/Shakespeare%27s_Sonnets/Sonnet_18", "Sonnet 18")

# download Sonnets 116, 73 and 130 of Shakespeare
library(purrr)

urls <- paste0("https://en.wikisource.org/wiki/Shakespeare%27s_Sonnets/Sonnet_", c(116, 73, 130))
sonnets <- map2_df(urls, paste0("Sonnet ", c(116, 73, 130)), wikisource_page)

## End(Not run)
```

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