

Package ‘wikifacts’

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Type Package

Title Get Facts and Data from Wikipedia and Wikidata

Version 0.4

Description Query Wikidata and get facts from current and historic Wikipedia main pages.

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Encoding UTF-8

LazyData true

Imports magrittr, rvest, xml2, curl

RoxygenNote 7.1.1

Suggests testthat, covr

NeedsCompilation no

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| | |
|-----------------|--|
| wiki_didyouknow | <i>Generate 'did you know' facts from the Wikipedia main page on a specified date.</i> |
|-----------------|--|

Description

'wiki_didyouknow()' generates 'did you know' facts from the Wikipedia main page on a specified date.

Usage

```
wiki_didyouknow(
  n_facts = 1L,
  date = sample(seq(as.Date("2015-01-01"), Sys.Date() - 1, by = "day"), 1),
  bare_fact = FALSE
)
```

Arguments

| | |
|-----------|---|
| n_facts | An integer determining the number of facts that will be generated, up to a limit of the maximum facts for the date specified. |
| date | A date string of the form YYYY-MM-DD. Default value is a random date since 1 January 2015. |
| bare_fact | Logical. Determining whether the fact should be quoted as is or surrounded by a preamble and courtesy statement. |

Value

A vector of strings with random 'did you know' facts from Wikipedia's main page if it exists for the date specified - otherwise "I got nothin'"

Examples

```
wiki_didyouknow(n_facts = 2, date = '2020-05-02')
```

| | |
|----------------|--|
| wiki_inthenews | <i>Generate news items from the Wikipedia main page on a specified date.</i> |
|----------------|--|

Description

'wiki_inthenews()' generates news items from the Wikipedia main page on a specified date.

Usage

```

wiki_inthenews(
  n_facts = 1L,
  date = sample(seq(as.Date("2015-01-01"), Sys.Date() - 1, by = "day"), 1),
  bare_fact = FALSE
)

```

Arguments

| | |
|-----------|---|
| n_facts | An integer determining the number of facts that will be generated, up to a limit of the maximum facts for the date specified. |
| date | A date string of the form YYYY-MM-DD. Default value is a random date since 1 January 2015. |
| bare_fact | Logical. Determining whether the fact should be quoted as is or surrounded by a preamble and courtesy statement. |

Value

A vector of strings with random 'in the news' items from Wikipedia's main page, if it exists for the date specified - otherwise "I got nothin'"

Examples

```

wiki_inthenews(n_facts = 1, date = '2020-05-02')

```

| | |
|----------------|---|
| wiki_onthisday | <i>Generate 'on this day' facts from the Wikipedia main page on a specified date.</i> |
|----------------|---|

Description

'wiki_onthisday()' generates 'on this day' facts from the Wikipedia main page on a specified date.

Usage

```

wiki_onthisday(
  n_facts = 1L,
  date = sample(seq(as.Date("2015-01-01"), Sys.Date() - 1, by = "day"), 1),
  bare_fact = FALSE
)

```

Arguments

| | |
|-----------|---|
| n_facts | An integer determining the number of facts that will be generated, up to a limit of the maximum facts for the date specified. |
| date | A date string of the form YYYY-MM-DD. Default value is a random date since 1 January 2015. |
| bare_fact | Logical. Determining whether the fact should be quoted as is or surrounded by a preamble and courtesy statement. |

Value

A vector of strings with random 'on this day' facts from Wikipedia's main page if it exists for the date specified - otherwise "I got nothin'"

Examples

```
wiki_ontthisday(date = '2020-05-02')
```

| | |
|------------|--|
| wiki_query | <i>Send queries to Wikidata and receive results as dataframe</i> |
|------------|--|

Description

'wiki_query()' sends a SPARQL query to Wikidata and collects the results in a dataframe

Usage

```
wiki_query(qry)
```

Arguments

| | |
|-----|---|
| qry | A character string representing a SPARQL query to be sent to Wikidata |
|-----|---|

Value

A dataframe of results

Examples

```
# List five diseases
query <- 'SELECT ?itemLabel WHERE {
  ?item wdt:P31 wd:Q12136. #instance of disease
  SERVICE wikibase:label { bd:serviceParam wikibase:language "[AUTO_LANGUAGE],en". }
}'
LIMIT 5'
wiki_query(query)
```

| | |
|-----------------|---|
| wiki_randomfact | <i>Generate random facts from historic Wikipedia main pages</i> |
|-----------------|---|

Description

‘wiki_randomfact()’ generates random facts from Wikipedia main pages after 1 January 2015.

Usage

```
wiki_randomfact(
  n_facts = 1L,
  fact = c("any", "didyouknow", "onthisday", "inthenews"),
  bare_fact = FALSE,
  repeats = TRUE
)
```

Arguments

| | |
|-----------|--|
| n_facts | An integer determining the number of facts that will be generated. |
| fact | String to determine the type of fact to be randomly generated - "any" will generate a random selection. |
| bare_fact | Logical. Determining whether the fact should be quoted as is or surrounded by a preamble and courtesy statement. |
| repeats | Logical. Determining if repeat facts should be permitted. If FALSE the number of facts may be less than requested. |

Value

A vector of strings with random items from Wikipedia’s main page - otherwise "I got nothin’"

Examples

```
wiki_randomfact()
```

| | |
|-------------|---|
| wiki_search | <i>Display results of a Wikipedia search in the browser</i> |
|-------------|---|

Description

‘wiki_search()’ displays the results of a Wikipedia search in the browser.

Usage

```
wiki_search(term = NULL, browser = getOption("browser"))
```

Arguments

| | |
|---------|---|
| term | A non-empty character string giving the name of the term to be searched |
| browser | A non-empty character string passed to [browseURL()] to determine the browser used. |

Value

A display of the results of the search in the browser.

Examples

```
wiki_search('R (programming language)')
```

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