Package: wikifacts (via r-universe)

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Type Package

Title Get Facts and Data from Wikipedia and Wikidata

Version 0.4.2.9999

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

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Encoding UTF-8

Imports magrittr, rvest, utils, xml2

RoxygenNote 7.1.1

Suggests covr, testthat

Repository https://keithmcnulty.r-universe.dev

RemoteUrl https://github.com/keithmcnulty/wikifacts

RemoteRef HEAD

RemoteSha 1b41f92e50e20bd6bcb7ca00fe207614a2d2512a

Contents

wiki_define *Define a term from Wikipedia*

Description

'wiki_define()' displays plaintext extract(s) of the given term(s) from ' the Wikipedia article(s).

Usage

```
wiki_define(term = NULL, sentences = 5L)
```

Arguments

term	A non-empty character string or vector giving the name(s) of the term to be searched
sentences	An integer (or whole number) giving the number of sentences to return

Value

An extract from the Wikipedia article

Examples

```
wiki_define('R (programming language)')

animals <- data.frame(name = c("dog", "cat"))
animals$definition <- wiki_define(animals$name, sentences = 1)
print(animals)
```

wiki_didyouknow *Generate 'did you know' facts from the Wikipedia main page on a specified date.*

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')
```

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wiki_inthenews *Generate news items from the Wikipedia main page on a specified date.*

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` *Generate 'on this day' facts from the Wikipedia main page on a specified date.*

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

wiki_query *Send queries to Wikidata and receive results as dataframe*

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 *Generate random facts from historic Wikipedia main pages*

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()
```

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wiki_search *Display results of a Wikipedia search in the browser*

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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