Package 'newspapr'

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Title API Wrapper for NewsAPI

Version 0.0.0.9000

Description A set of functions for using NewsAPI from within R.

Depends R (¿= 3.1.0)

License GPL-2

Encoding UTF-8

LazyData true

RoxygenNote 7.0.0

Imports curl, dplyr, httr, stringr

NeedsCompilation no

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R topics documented:

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check_key	*Check whether API key is valid*

Description

Checks whether an API key is valid. Prints a message to let the user know whether their key is usable with NewsAPI (case in which the function prints "All OK"), or whether an error occurred (case in which the function prints a descriptive message of said error).

Usage

```
check_key(key = NULL)
```

1

Arguments

key   (Optional) A string. Your NewsAPI key.

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get_sources   *Get index of available sources*

Description

Returns the subset of news publishers that top headlines are available from. It's mainly a convenience function that can be used to keep track of the publishers available on the API.

Usage

```
get_sources(category = NULL, language = NULL, country = NULL)
```

Arguments

category	(Optional) A string. Find sources that display news of a specific category. Possible options are: "business", "entertainment", "general", "health", "science", "sports", and "technology". By default, the API returns sources of all categories.
language	(Optional) A string. Find sources that display news in a specific language. Possible options are: Arabic, German, English, Spanish, French, Hebrew, Italian Dutch, Norwegian, Portuguese, Russian, Swedish, Urdu, and Chinese. The language cam also be specified using ISO codes, e.g. "DE" for German or "ES" for Spanish. By default, the API returns sources in all languages.
country	(Optional) A string. The 2-letter ISO 3166-1 code of the country you want to get headlines for, such as "US" or "FR". This parameter cannot be mixed with the sources parameter.

Value

A data frame of news publishers, with their ID as it should be queried in a NewsAPI request, a short description, their URL, their category, their language, and their country.

Examples

```
get_sources(language = "German")
```

get_top_headlines	*Get top headlines articles*

Description

Returns a list of current top headlines articles based on some query. At least one parameter from among keyword, country_iso, category, and sources must be specified, with the limitation that the sources parameter cannot be mixed with country_iso or category.

Usage

```
get_top_headlines(
  keyword = NULL,
  country = NULL,
  category = NULL,
  sources = NULL,
  page_size = NULL,
  page = NULL
)
```

Arguments

keyword	(Optional) A string. Keyword(s) based on which to search for articles, such as "Hong Kong protests" or "Amazon forest".
country	(Optional) A string. The 2-letter ISO 3166-1 code of the country you want to get headlines for, such as "US" or "FR". This parameter cannot be mixed with the sources parameter.
category	(Optional) A string. The category you want to get top headlines for, such as "business", "entertainment", or "sports". This parameter cannot be mixed with the sources parameter.
sources	(Optional) A character vector. The news sources or blogs you want top headlines from. See the get_sources() function for how to obtain a full list of the available sources. This parameter cannot be mixed with the country_iso or category parameters.
page_size	(Optional) An integer. The number of results to return per request. The API's default is 20, and the maximum is 100.
page	(Optional) An integer. Use this to page through the results if the total results found is greater than the page size.

Value

A data frame of article information, with source, author, title, description, URL, publication date, and a short preview of the content.

Examples

```
get_top_headlines(keyword = "Panama Canal", page_size = 10, page = 2)
get_top_headlines(country = "br", category = "sports")
get_top_headlines(keyword = "iPhone 10", source = "techcrunch")
```

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has_key   *Check whether an API key has been registered*

Description

Checks whether an API key has been registered within the current R session, either manually
by using register_key(), or automatically from the .Renviron file.

Usage

```
has_key()
```

Value

A boolean indicating whether an API key has been registered within the current R session.

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register_key   *Register API key*

Description

Returns the subset of news publishers that top headlines are available from. It's mainly a
convenience function that can be used to keep track of the publishers available on the API.

Usage

```
register_key(key, write = FALSE)
```

Arguments

key	A string. Your NewsAPI key.
write	(Optional) A boolean. Specifies whether you want your API key to be written to your .Renviron file for use in all future R sessions. Defaults to FALSE.

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show_key   *Display API key*

Description

Displays the API key that has been registered.

Usage

```
show_key()
```

Index