

# Package ‘newspapr’

November 24, 2019

**Title** API wrapper for NewsAPI

**Version** 1.0

**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

**Author** Maria-Cristiana Girjau [aut, cre]

**Maintainer** Maria-Cristiana Girjau <mgirjau21@amherst.edu>

## R topics documented:

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|           |                                       |
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| check_key | <i>Check whether API key is valid</i> |
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## 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)
```

**Arguments**

key (Optional) A string. Your NewsAPI key.

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|             |                                       |
|-------------|---------------------------------------|
| get_sources | <i>Get index of available sources</i> |
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**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_iso = NULL)
```

**Arguments**

category (Optional) A string. Find sources that display news of a specific category, such as "business", "entertainment", or "sports".

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. By default, the API returns sources in all languages.

country\_iso (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 list of news publishers.

**Examples**

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

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|                   |                                   |
|-------------------|-----------------------------------|
| get_top_headlines | <i>Get top headlines articles</i> |
|-------------------|-----------------------------------|

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**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_iso = 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_iso | (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. The get_sources() function can be used 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 nested list of articles, including 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_iso = "br", category = "sport")
get_top_headlines(keyword = "iPhone 10", source = "techcrunch")
```

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has\_key

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*Check whether an API key has been registered*


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**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 | <i>Register API key</i> |
|--------------|-------------------------|

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**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 | <i>Display API key</i> |
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**Description**

Displays the API key that has been registered.

**Usage**

```
show_key()
```

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