Package ‘stopwords’

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Description Provides multiple sources of stopwords, for use in text analysis and natural language processing.
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Author Kenneth Benoit [aut, cre],
  David Muhr [aut],
  Kohei Watanabe [aut]
Maintainer Kenneth Benoit <kbenoit@lse.ac.uk>
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Description

Provides a `stopwords()` function to return character vectors of stopwords for different languages, using the ISO-639-1 language codes, and allows for different sources of stopwords to be defined.

Currently available sources

- **snowball** The Snowball stopword lists sources for multiple languages. Most of these have been ported from the `quanteda` stopword lists (in versions <1.0 of that package).
- **smart** The English-language stopword list from the SMART information retrieval system.
- **misc** A few additional stopword lists, including the non-Snowball word lists from `quanteda` versions < 1.0.
- **marimo** Stopword lists compiled by Kohei Watanabe.

Author(s)

Kenneth Benoit, David Muhr, and Kohei Watanabe

Format

An object of class `list` of length 2.
Details

As there is no 2-letter code for ancient Greek in ISO-639-1, we use "grc" to denote Greek (as per ISO-639-3).

Usage

stopwords(language = "grc",source = "ancient")
stopwords(language = "la",source = "ancient")

Source


See Also

data_stopwords_perseus

data_stopwords_marimo

Description

Stopword lists that include specific parts of speech, maintained by Kohei Watanabe.

Format

An object of class list of length 8.

Details

These are multi-level lists, in the original data. If you wish to use them as lists, please access the data object directly.

Usage

stopwords(language = "en",source = "marimo")

Source

The English version was adopted from the Snowball collection, and then extended and translated into other languages by contributors. Names of contributors are in the header of the original YAML files.

Examples

# access English pronouns directly
stopwords::data_stopwords_marimo$en$pronoun
**data_stopwords_nltk**

Stopword lists for 23 languages from the Python NLTK library.

**Format**

An object of class list of length 23.

**Usage**

```r
stopwords(language = "en", source = "nltk")
```

**Source**

References


data_stopwords_perseus

Description
Stopword lists for ancient Greek and Latin. As there is no 2-letter code for ancient Greek in ISO-639-1, we use "grc" to denote Greek (as per ISO-639-3).

Format
An object of class list of length 2.

Usage
stopwords(language = "grc", source = "perseus")
stopwords(language = "la", source = "perseus")

Source

data_stopwords_smart

Description
The stopword lists based on the SMART (System for the Mechanical Analysis and Retrieval of Text) Information Retrieval System, an information retrieval system developed at Cornell University in the 1960s.

Format
An object of class list of length 1.

Usage
stopwords(language = "en", source = "smart")
Source

The English stopword list is taken from the online appendix 11 of Lewis et. al. (2004).

References


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data_stopwords_snowball

*snowball stopword list*

Description

snowball stopword list

Format

An object of class list of length 15.

Details

Provides stopword lists in multiple languages, based on the Snowball stemmer’s word lists.

Usage

`stopwords(language, source = "snowball")`

Source

The main stopword lists are taken from the Snowball stemmer project in different languages (see [https://snowballstem.org/projects.html](https://snowballstem.org/projects.html)).

The stopword lists can be found in [http://snowball.tartarus.org/dist/snowball_all.tgz](http://snowball.tartarus.org/dist/snowball_all.tgz).

See Also

`stopwords()`
### Description

The Stopwords ISO Dataset is the most comprehensive collection of stopwords for multiple languages. The collection follows the ISO 639-1 language code.

### Format

A named list of length 57, of character vectors that represent stopwords in 57 languages. To see the languages available, use `stopwords_getlanguages()`.

### Usage

```r
stopwords(language, source = "stopwords-iso")
```

### Source


---

<table>
<thead>
<tr>
<th>stopwords</th>
<th>Collection of stopwords in multiple languages</th>
</tr>
</thead>
</table>

### Description

This function returns character vectors of stopwords for different languages, using the ISO-639-1 language codes, and allows for different sources of stopwords to be defined.

The default source is the `Snowball()` stopwords collection but `other()` sources are also available.

### Usage

```r
stopwords(language = "en", source = "snowball", simplify = TRUE)
```

### Arguments

- **language**: specify language of stopwords by ISO 639-1 code
- **source**: specify a stopwords source. To list the currently available options, use `stopwords_getsources()`.
- **simplify**: logical; if TRUE return a simple vector, if FALSE return a list if the original word list was nested
Details

The language codes for each stopword list use the two-letter ISO code from https://en.wikipedia.org/wiki/List_of_ISO_639-1_codes. For backwards compatibility, the full English names of the stopwords from the quanteda package may also be used, although these are deprecated.

Value

a character vector containing the stopwords, or a list of characters simplify = FALSE

Examples

stopwords("en")
stopwords("de")

stopwords_getlanguages
list available stopwords country codes

Description

Lists the available stopwords country codes for a given stopwords source. See https://en.wikipedia.org/wiki/ISO_639-1 for details of the language code.

Usage

stopwords_getlanguages(source)

Arguments

source the source of the stopwords

stopwords_getsources list available stopwords sources

Description

Returns a character vector of the stopword sources available from the stopwords package.

Usage

stopwords_getsources()
**use_stopwords**

*Use stopwords in your package*

---

**Description**

Sets up your package to import and re-export the `stopwords()` function in your package. This function requires the use of the `roxygen2` package.

- Adds `stopwords` to "Imports" in DESCRIPTION.
- Imports `stopwords()`, which is necessary for internal use.
- Exports `stopwords()`, if `export = TRUE`, which is necessary to make the function available to the users of your package.

**Usage**

```r
use_stopwords(export = TRUE)
```

**Arguments**

- `export`  
  If TRUE, the file `R/stopwords.R` is added, which provides the roxygen template to import and re-export `stopwords()`. If FALSE, the necessary roxygen directive is added, if possible, or otherwise instructions are given.

**Examples**

```r
## Not run:
use_stopwords()

## End(Not run)
```
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