

Package ‘polyglotr’

August 8, 2023

Title Translate Text

Version 1.2.1

Description The goal of the this package is to provide easy methods to translate pieces of text. Functions send requests to translation services online.

License MIT + file LICENSE

URL <https://github.com/Tomeriko96/polyglotr/>,
<https://tomeriko96.github.io/polyglotr/>

Encoding UTF-8

RoxygenNote 7.2.3

Imports dplyr, httr, magrittr, purrr, rlang, rvest, stringr, urltools

Suggests knitr, rmarkdown, testthat (>= 3.0.0), text2vec

Config/testthat/edition 3

VignetteBuilder knitr

NeedsCompilation no

Author Tomer Iwan [aut, cre, cph]

Maintainer Tomer Iwan <t.iwan@vu.nl>

Repository CRAN

Date/Publication 2023-08-08 08:30:02 UTC

R topics documented:

create_translation_table	2
google_translate	2
language_detect	3
linguee_word_translation	4
mymemory_translate	5
translate_file	5

Index	7
--------------	----------

create_translation_table

Create a Translation Table

Description

This function generates a translation table by translating a list of words into multiple languages.

Usage

```
create_translation_table(words, languages)
```

Arguments

words A character vector containing the words to be translated.
languages A character vector specifying the target languages for translation.

Value

A data frame representing the translation table with original words and translations in each language.

Examples

```
words <- c("Hello", "Translate", "Table", "Script")  
languages <- c("es", "fr", "de", "nl")  
translations <- create_translation_table(words, languages)  
print(translations)
```

google_translate

Translate text using google translate

Description

Translate text using google translate

Usage

```
google_translate(text, target_language = "en", source_language = "auto")
```

Arguments

`text` This is the text that you want to translate.

`target_language` This is the language that you want to translate the text into. The default value for this argument is "en" for English.

`source_language` This is the language of the text that you want to translate. The default value for this argument is "auto", which means that the function will try to automatically detect the language of the text.

Value

Translated text.

Examples

```
google_translate("I love languages", target_language = "es")
text_to_translate <- c("the", "quick", "brown")
google_translate(text_to_translate, "fr", "en")
```

language_detect	<i>Detect Language using Google Translate API</i>
-----------------	---

Description

This function detects the language of a given text using the Google Translate API.

Usage

```
language_detect(text)
```

Arguments

`text` The text for which the language needs to be detected.

Value

A character string representing the detected language.

linguee_word_translation

Translate word using Linguee Translation API

Description

Translate word using Linguee Translation API

Usage

```
linguee_word_translation(  
    word,  
    target_language,  
    source_language,  
    guess_direction = FALSE,  
    follow_corrections = "always"  
)
```

Arguments

word	This is the word that you want to translate.
target_language	This is the language that you want to translate the word into.
source_language	This is the language of the word that you want to translate.
guess_direction	Specifies whether the API should guess the translation direction when the source language is set to "auto". The default value is FALSE.
follow_corrections	Specifies whether the API should include translations that have been marked as corrections. The default value is "always" to include corrections.

Value

Translated word options.

Examples

```
linguee_word_translation("hello", target_language = "es", source_language = "en")
```

mymemory_translate	<i>Translate text using mymemory translate</i>
--------------------	--

Description

Translate text using mymemory translate

Usage

```
mymemory_translate(text, target_language = "en", source_language = "auto")
```

Arguments

text	Text to translate.
target_language	Language to translate text to.
source_language	Language to translate text from

Value

Translated text.

Examples

```
mymemory_translate("Hello World", target_language = "es", source_language = "en")
```

translate_file	<i>Translate File</i>
----------------	-----------------------

Description

Translates the content of a file using Google Translate API.

Usage

```
translate_file(  
    file_path,  
    target_language = "en",  
    source_language = "auto",  
    overwrite = FALSE  
)
```

Arguments

<code>file_path</code>	The path to the file to be translated.
<code>target_language</code>	The target language to translate the file content to. Default is "en".
<code>source_language</code>	The source language of the file content. Default is "auto".
<code>overwrite</code>	Logical indicating whether to overwrite the original file with the translated content. Default is FALSE.

Examples

```
## Not run:  
translate_file("path/to/file.txt", target_language = "fr", source_language = "en", overwrite = TRUE)  
  
## End(Not run)
```

Index

`create_translation_table`, 2

`google_translate`, 2

`language_detect`, 3

`linguee_word_translation`, 4

`mymemory_translate`, 5

`translate_file`, 5