

Package ‘cld2’

July 22, 2025

Type Package

Title Google's Compact Language Detector 2

Version 1.2.6

Description Bindings to Google's C++ library Compact Language Detector 2

(see <https://github.com/cld2owners/cld2#readme> for more information). Probabilistically detects over 80 languages in plain text or HTML. For mixed-language input it returns the top three detected languages and their approximate proportion of the total classified text bytes (e.g. 80% English and 20% French out of 1000 bytes). There is also a 'cld3' package on CRAN which uses a neural network model instead.

License Apache License 2.0

Encoding UTF-8

URL <https://docs.ropensci.org/cld2/>
<https://ropensci.r-universe.dev/cld2>

BugReports <https://github.com/ropensci/cld2/issues>

Imports Rcpp

LinkingTo Rcpp

RoxygenNote 6.0.1

Suggests testthat, readtext, cld3

NeedsCompilation yes

Author Jeroen Ooms [aut, cre] (ORCID: <https://orcid.org/0000-0002-4035-0289>),
Dirk Sites [cph] (Author of CLD2 C++ library)

Maintainer Jeroen Ooms <jeroenooms@gmail.com>

Repository CRAN

Date/Publication 2025-03-22 20:30:17 UTC

Contents

cld2	2
Index	3

Description

The function `detect_language()` is vectorised and guesses the the language of each string in `text` or returns NA if the language could not reliably be determined. The function `detect_language_multi()` is not vectorised and analyses the entire character vector as a whole. The output includes the top 3 detected languages including the relative proportion and the total number of text bytes that was reliably classified.

Usage

```
detect_language(text, plain_text = TRUE, lang_code = TRUE)
```

```
detect_language_mixed(text, plain_text = TRUE)
```

Arguments

<code>text</code>	a string with text to classify or a connection to read from
<code>plain_text</code>	if FALSE then code skips HTML tags and expands HTML entities
<code>lang_code</code>	return a language code instead of name

Examples

```
# Vectorized function
text <- c("To be or not to be?", "Ce n'est pas grave.", "Nou breekt mijn klomp!")
detect_language(text)

## Not run:
# Read HTML from connection
detect_language(url('http://www.un.org/ar/universal-declaration-human-rights/'), plain_text = FALSE)

# More detailed classification output
detect_language_mixed(
  url('http://www.un.org/fr/universal-declaration-human-rights/'), plain_text = FALSE)

detect_language_mixed(
  url('http://www.un.org/zh/universal-declaration-human-rights/'), plain_text = FALSE)

## End(Not run)
```

Index

cld2, [2](#)

detect_language (cld2), [2](#)

detect_language(), [2](#)

detect_language_mixed (cld2), [2](#)

detect_language_multi (cld2), [2](#)

detect_language_multi(), [2](#)