

Package ‘cld3’

January 11, 2021

Type Package

Title Google's Compact Language Detector 3

Version 1.4.1

Description Google's Compact Language Detector 3 is a neural network model for language identification and the successor of 'cld2' (available from CRAN). The algorithm is still experimental and takes a novel approach to language detection with different properties and outcomes. It can be useful to combine this with the Bayesian classifier results from 'cld2'. See <<https://github.com/google/cld3#readme>> for more information.

License Apache License 2.0

Encoding UTF-8

LazyData true

URL <https://docs.ropensci.org/cld3/>, <https://github.com/ropensci/cld3>
(devel) <https://github.com/google/cld3> (upstream)

Imports Rcpp

LinkingTo Rcpp

RoxygenNote 6.0.1.9000

SystemRequirements libprotobuf and protobuf-compiler

Suggests testthat, cld2

NeedsCompilation yes

Author Jeroen Ooms [aut, cre] (<<https://orcid.org/0000-0002-4035-0289>>),
Google Inc [cph] (CLD3 C++ library)

Maintainer Jeroen Ooms <jeroen@berkeley.edu>

Repository CRAN

Date/Publication 2021-01-11 08:00:38 UTC

R topics documented:

cld3	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 detects all languages inside the entire character vector as a whole.

Usage

```
detect_language(text)
```

```
detect_language_mixed(text, size = 3)
```

Arguments

<code>text</code>	a string with text to classify or a connection to read from
<code>size</code>	number of languages to detect

Examples

```
# Vectorized best guess
text <- c("To be or not to be?", "Ce n'est pas grave.",
        "Hij heeft de klok horen luiden maar weet niet waar de klepel hangt.")
detect_language(text)

# Multiple languages in one text (doesn't seem to work well)
detect_language_mixed(text)
```

Index

`cld3`, [2](#)

`detect_language(cld3)`, [2](#)

`detect_language()`, [2](#)

`detect_language_mixed(cld3)`, [2](#)

`detect_language_multi(cld3)`, [2](#)

`detect_language_multi()`, [2](#)