Package ‘cld2’

October 27, 2022

Type Package
Title Google's Compact Language Detector 2
Version 1.2.4
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/ (docs)
    https://github.com/ropensci/cld2 (devel)
    https://github.com/cld2owners/cld2 (upstream)
Imports Rcpp
LinkingTo Rcpp
RoxygenNote 6.0.1
Suggests testthat, readtext, cld3
NeedsCompilation yes
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Compact Language Detector 2

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

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

Arguments

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

Examples

```r
# 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


## End(Not run)
```
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