

# Package ‘cld3’

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**Type** Package

**Title** Google's Compact Language Detector 3

**Version** 1.3

**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

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**Repository** CRAN

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**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)
```

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