

# Package ‘nsyllable’

November 30, 2020

**Version** 1.0

**Title** Count Syllables in Character Vectors

**Description** Counts syllables in character vectors for English words. Imputes syllables as the number of vowel sequences for words not found.

**License** GPL-3

**Depends** R (>= 2.10)

**Suggests** knitr, testthat, spelling

**URL** <https://github.com/quanteda/nsyllable>

**Encoding** UTF-8

**BugReports** <https://github.com/quanteda/nsyllable/issues>

**LazyData** TRUE

**Language** en-GB

**RoxygenNote** 7.1.1

**NeedsCompilation** no

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1993-2015)

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**Repository** CRAN

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nsyllable-package      *nsyllable: Count syllables in character vectors*

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### Description

Counts syllables from character vector inputs. Imputes syllables as the number of vowel sequences for words not found.

### Author(s)

Kenneth Benoit

### See Also

Useful links:

- <https://github.com/quanteda/nsyllable>
- Report bugs at <https://github.com/quanteda/nsyllable/issues>

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data\_syllables\_en      *Syllable counts of English words*

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### Description

A named integer vector of syllable counts for English words. Based on a pronunciation dictionary for North American English that contains over 134,000 words and their pronunciations, from the [Carnegie Mellon University Pronouncing Dictionary](#).

### Usage

data\_syllables\_en

### Format

An object of class integer of length 125698.

### Note

data\_syllables\_en is a data object consisting of a named numeric vector of syllable counts for the words used as names. This is the default object used to count English syllables. For words with multiple pronunciation variants, we use the first entry.

This object can be accessed directly, but we strongly encourage you to access it only through the [nsyllable\(\)](#) wrapper function.

### Source

Version 0.7b of the CMU Pronouncing Dictionary. See <http://www.speech.cs.cmu.edu/cgi-bin/cmudict>.

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nsyllable	<i>Count syllables in a text</i>
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### Description

Returns a count of the number of syllables in texts. For English words, the syllable count is exact and looked up from the CMU pronunciation dictionary, from the default syllable dictionary `data_int_syllables`. For any word not in the dictionary, the syllable count is estimated by counting vowel clusters.

### Usage

```
nsyllable(x, language = "en", syllable_dictionary = NULL, use.names = FALSE)
```

### Arguments

<code>x</code>	character vector whose syllables will be counted. This will count all syllables in a character vector without regard to separating tokens, so it is recommended that <code>x</code> be individual terms.
<code>language</code>	specify the language for syllable counts by <a href="#">ISO 639-1</a> code. The default is English, using the data object <code>data_syllables_en</code> , an English pronunciation dictionary from CMU.
<code>syllable_dictionary</code>	optional named integer vector of syllable counts where the names are lower case tokens. This can be used to override the language setting, when set to <code>NULL</code> (the default). If a syllable dictionary is supplied, this will override the <code>language</code> argument.
<code>use.names</code>	logical; if <code>TRUE</code> , assign the tokens as the names of the syllable count vector

### Value

an integer vector of the counts of the syllables in each element, named with the element if `use.names = TRUE`

### Examples

```
# character
nsyllable(c("cat", "syllable", "supercalifragilisticexpialidocious",
            "Brexit", "Administration"), use.names = TRUE)
```

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