Package 'ngramrr'

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Title A Simple General Purpose N-Gram Tokenizer

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Author Chung-hong Chan <chainsawtiney@gmail.com>

Maintainer Chung-hong Chan <chainsawtiney@gmail.com>

Description A simple n-gram (contiguous sequences of n items from a given sequence of text) tokenizer to be used with the 'tm' package with no 'rJava'/'RWeka' dependency.

URL https://github.com/chainsawriot/ngramrr

Depends R (>= 3.0.0)

License GPL-2

LazyData true

Imports tm, tau

Suggests testthat, magrittr

RoxygenNote 5.0.1

NeedsCompilation no

Repository CRAN

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R topics documented:

dtmwrappers *Wrappers to DocumentTermMatrix and DocumentTermMatrix to use n-gram tokenizaion*

Description

Wrappers to DocumentTermMatrix and DocumentTermMatrix to use n-gram tokenization provided by ngramrr.

Usage

```
dtm2(x, char = FALSE, ngmin = 1, ngmax = 2, rmEOL = TRUE, ...)

tdm2(x, char = FALSE, ngmin = 1, ngmax = 2, rmEOL = TRUE, ...)
```

Arguments

x	character vector, Source or Corpus to be converted
char	logical, using character n-gram. char = FALSE denotes word n-gram.
ngmin	integer, minimun order of n-gram
ngmax	integer, maximun order of n-gram
rmEOL	logical, remove ngrams wih EOL character
...	Additional options for DocumentTermMatrix or DocumentTermMatrix

Value

DocumentTermMatrix or DocumentTermMatrix

See Also

ngramrr, DocumentTermMatrix, TermDocumentMatrix

Examples

```
nirvana <- c("hello hello hello how low", "hello hello hello how low",
"hello hello hello how low", "hello hello hello",
"with the lights out", "it's less dangerous", "here we are now", "entertain us",
"i feel stupid", "and contagious", "here we are now", "entertain us",
"a mulatto", "an albino", "a mosquito", "my libido", "yeah", "hey yay")
dtm2(nirvana, ngmax = 3, removePunctuation = TRUE)
```

ngramrr *General purpose n-gram tokenizer*

Description

A non-Java based n-gram tokenizer to be used with the tm package. Support both character and word n-gram.

Usage

```
ngramrr(x, char = FALSE, ngmin = 1, ngmax = 2, rmEOL = TRUE)
```

Arguments

x	input string.
char	logical, using character n-gram. char = FALSE denotes word n-gram.
ngmin	integer, minimun order of n-gram
ngmax	integer, maximun order of n-gram
rmEOL	logical, remove ngrams wih EOL character

Value

vector of n-grams

Examples

```
require(tm)

nirvana <- c("hello hello hello how low", "hello hello hello how low",
"hello hello hello how low", "hello hello hello",
"with the lights out", "it's less dangerous", "here we are now", "entertain us",
"i feel stupid", "and contagious", "here we are now", "entertain us",
"a mulatto", "an albino", "a mosquito", "my libido", "yeah", "hey yay")

ngramrr(nirvana[1], ngmax = 3)
ngramrr(nirvana[1], ngmax = 3, char = TRUE)
nirvanacor <- Corpus(VectorSource(nirvana))
TermDocumentMatrix(nirvanacor, control = list(tokenize = function(x) ngramrr(x, ngmax =3)))

# Character ngram

TermDocumentMatrix(nirvanacor, control = list(tokenize =
function(x) ngramrr(x, char = TRUE, ngmax =3), wordLengths = c(1, Inf)))
```

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