

Package ‘rmdwc’

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Type Package
Title Count Words, Chars and Non-Whitespace Chars in R Markdown Docs
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Description If you are using R Markdown documents then you have sometimes restrictions about the size of the documents, e.g. number of words, number of characters or non-whitespace characters. `rmdcount()` computes these counts with and without code chunks and returns the result as data frame.
Imports knitr
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rmdcount	<i>Word, character and non-whitespace characters count</i>
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Description
Counts words, characters and non-whitespace characters in R Markdown files.

Usage

```
rmdcount(files = NULL, space = "[[:space:]]", word = "[[:space:]]+")
```

Arguments

<code>files</code>	character: file name(s)
<code>space</code>	character: pattern to split a text at spaces (default: '[[:space:]]')
<code>word</code>	character: pattern to split a text at word boundaries (default: '[[:space:]]+')

Details

It uses the following approaches to detect words, characters and non-whitespace characters.

words `strsplit(rmd,word)[[1]]` with word equal to '[[:space:]]+'

characters `strsplit(rmd,'')[[1]]`

non-whitespace characters `strsplit(gsub(space,'',rmd),'')[[1]]` with space equal to '[[:space:]]'

This is repeated for the text without code chunks. Code chunks are deleted with `gsub('```\n\{.*?\n','',rmd)`.

Value

a data frame with the following elements

file basename of a file

words number of words including code chunks

chars number of characters including code chunks

nonws number of non-whitespace characters including code chunks

words_chunk number of words excluding code chunks

chars_chunk number of characters excluding code chunks

nonws_chunk number of non-whitespace characters excluding code chunks

path path of a file

Examples

```
files <- system.file('rmarkdown/rstudio_pdf.Rmd', package="rmdwc")
rmdcount(files)
# use of rmdcount() in a R Markdown document
if (interactive()) {
  file.edit(files) # SAVE(!) the file and knit it
}
```

rmdwcl	<i>Word-, character and non-whitespace characters count for a text</i>
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Description

Counts words, characters and non-whitespace characters in a string. Is used in rmdcount, see details there.

Usage

```
rmdwcl(rmd, space = "[[:space:]]", word = "[[:space:]]+")
```

Arguments

rmd	character: R Markdown document as string
space	character: pattern to split a text at spaces (default: '[[:space:]]')
word	character: pattern to split a text at word boundaries (default: '[[:space:]]+')

Value

a list

Examples

```
file <- system.file('rmarkdown/rstudio_pdf.Rmd', package="rmdwc")
fcont <- readChar(file, file.info(file)$size)
rmdwcl(fcont)
```

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