Package: abbreviate (via r-universe)

August 30, 2024

Type Package

Title Readable String Abbreviation

Version 0.2

Date 2021-12-13

Description Strings are abbreviated to at least ``minlength''
characters, such that they remain unique (if they were). The
abbreviations should be recognisable. The algorithm does not
guarantee that a always a solution is found.

URL https://github.com/sigbertklinke/abbreviate (development version)

RoxygenNote 7.1.1

LazyData true

License GPL-3

Encoding UTF-8

Suggests testthat (>= 3.0.0)

Config/testthat/edition 3

Repository https://sigbertklinke.r-universe.dev

RemoteUrl https://github.com/sigbertklinke/abbreviate

RemoteRef HEAD

RemoteSha ce6884707dfa826a2281df0c235e7d285ff385ee

Contents

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abbreviate_text	*abbreviate_text*

Description

Shorten strings to at least `minlength` characters so that they remain unique (if they were). Duplicate strings or NAs are allowed. Note that different orders in the string may result in different abbreviations. Since the algorithm does not guarantee that unique abbreviations will always be found, a warning is issued if the number of unique abbreviations and unique strings is unequal.

Usage

```
abbreviate_text(txt, minlength = 3, alnum = TRUE)
```

Arguments

txt	character: vector of strings to abbreviate
minlength	integer: the minimum length of the abbreviations
alnum	logical: should strings be reduced to alpha-numeric characters before abbreviation (default: TRUE)

Value

abbreviated strings

See Also

base::abbreviate or package uniqtag

Examples

```
# unique with first letters is possible
txt <- c("euclidean", "maximum", "manhattan", "canberra", "minimum")
abbreviate_text(txt, 3)
# if identical strings used then same abbreviation
txt <- c("euclidean", "maximum", "manhattan", "manhattan", "canberra", "minimum")
abbreviate_text(txt, 3)
# NAs are allowed
txt <- c("euclidean", "maximum", "manhattan", NA, "canberra", "minimum")
abbreviate_text(txt, 3)
# unique abbreviations
txt <- c("ward.D", "ward.D2", "single", "complete", "average", "mcquitty", "median", "centroid")
abbreviate_text(txt, 3)
# unique abbreviations, but not really intuitive
abbreviate_text(txt, 0)
```

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