Package ‘abbreviate’

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Type Package
Title Readable String Abbreviation
Version 0.1
Date 2021-12-12
Description Strings are abbreviated to at least `minlength` characters, such that they remain unique (if they were). The abbreviations should be recognisable.

URL https://github.com/sigbertklinke/abbreviate (development version)
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License GPL-3
Encoding UTF-8
Suggests testthat (>= 3.0.0)
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NeedsCompilation no
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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.

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", "canberra", "minimum")
abbreviate_text(txt, 3)
# warnings that identical strings and identical abbreviations used
txt <- c("euclidean", "maximum", "manhattan", NA, "canberra", "minimum", "abc", "abc")
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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