Package ‘caesar’

September 3, 2020

Type Package
Title Encrypts and Decrypts Strings
Version 1.1.0
Description Encrypts and decrypts strings using either the Caesar cipher or a pseudorandom number generation (using set.seed()) method.
Imports binhf
License MIT + file LICENSE
Encoding UTF-8
LazyData true
URL https://github.com/jacobkap/caesar
BugReports https://github.com/jacobkap/caesar/issues
RoxygenNote 7.1.1
Suggests testthat, covr, knitr, rmarkdown, spelling
VignetteBuilder knitr
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Depends R (>= 2.10)
NeedsCompilation no
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caesar

Encrypt and decrypt text using the Caesar cipher.

Description

Encrypt and decrypt text using the Caesar cipher.

Usage

ciaesar(text, shift = 3, decrypt = FALSE)

Arguments

text String to be ciphered or deciphered.
shift A single whole number for how far to move the characters in the direction (positive or negative) you choose. If not a whole number, it will be rounded to nearest whole number.
decrypt If TRUE, (not default) deciphers the coded text.

Value

String of the ciphered/deciphered text

Examples

# Please see this for more info.
# https://en.wikipedia.org/wiki/Caesar_cipher
ciaesar("Experience is the teacher of all things.")
ciaesar("HAshuihqFhc1vcwhkhwhdfkhucricdoocwklja\v", decrypt = TRUE)
ciaesar("Veni, vidi, vici.", shift = 40)
ciaesar("SLWK9RWK99WQWL", shift = 40, decrypt = TRUE)
ciaesar("No one is so brave that he is not disturbed by something unexpected.", shift = -12)
ciaesar("Bc[cb:[,g[gc[[f]]:h]>:.g[bch[;ghif:::[m\gca:h>\,b<\ib:ld:h;:\",
  shift = -12, decrypt = TRUE)
seed_cipher

Encrypt and decrypt text using pseudorandom number generation based on the seed set.

Description

Encrypt and decrypt text using pseudorandom number generation based on the seed set.

Usage

seed_cipher(text, seed = 64, decrypt = FALSE)

Arguments

text  String to be ciphered or deciphered.
seed  A single number to set the seed which will pseudorandomly rearrange the original characters
decrypt  If TRUE (not default), deciphers the coded text.

Value

String of the ciphered/deciphered text

Examples

seed_cipher("Cowards die many times before their deaths")
seed_cipher("'Ced<,#G,QhG$dXoG/Q$h#G+h(C$hG/0hQ<g,hd/0#",
decrypt = TRUE)

seed_cipher("Men willingly believe what they wish.",
seed = 2354)
seed_cipher("q391*066D9;6.1x36D3d3l*p4I4<3.1*D <h",
seed = 2354,
decrypt = TRUE)

seed_cipher("the valiant never taste of death but once.",
seed = -100)
seed_cipher("*QDc3f>eFk*ckD3D[c*fu*DcS`c]Df*Qcy%*cSkOoIi",
seed = -100,
decrypt = TRUE)
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