Package ‘caesar’

May 9, 2019

Type Package
Title Encrypts and Decrpts Strings
Version 1.0.0
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 6.1.1
Suggests testthat, covr, knitr, rmarkdown, spelling
VignetteBuilder knitr
Language en-US
NeedsCompilation no
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Repository CRAN
Date/Publication 2019-05-09 20:10:17 UTC

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Encrypt and decrypt text using the Caesar cipher.

**Description**

Encrypt and decrypt text using the Caesar cipher.

**Usage**

```plaintext
cæsar(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) decipher the coded text.

**Value**

String of the ciphered/deciphered text

**Examples**

```r
# Please see this for more info.
https://en.wikipedia.org/wiki/Caesar_cipher
cæsar("Experience is the teacher of all things.")
cæsar("HAshulhqfhclvckhchwhdflkrucidooowklaqva", decrypt = TRUE)
cæsar("Veni, vidi, vici.", shift = 40)
cæsar("S1WK9WRWK9QWQ", shift = 40, decrypt = TRUE)
cæsar("No one is so brave that he is not disturbed by something unexpected.", shift = -12)
cæsar("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$dxG/Qsh#G+h(C,hG/0hG<,h,d/0#",
    decrypt = TRUE)

seed_cipher("Men willingly believe what they wish. ",
    seed = 2354)
seed_cipher("q391*066D9:6.1x36D3d3l*cp414<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*Dc'S'c]:Df*Qcy%*cSkOd'i",
    seed = -100,
    decrypt = TRUE)
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