Package ‘caesar’

October 12, 2022

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

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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

Language en-US

Depends R (>= 2.10)

NeedsCompilation no

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R topics documented:

caesar ............................................. 2
seed_cipher ..................................... 3

Index 4
Encrypt and decrypt text using the Caesar cipher.

Usage

`caesar(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

`caesar("Experience is the teacher of all things.")`
`caesar("HAshulhqfhclvcwhcwhdfrhucicdoowklaqva", decrypt = TRUE)`

`caesar("Veni, vidi, vici.", shift = 40)`
`caesar("S1WKN9W9WK9W9W9QWL", shift = 40, decrypt = TRUE)`

`caesar("No one is so brave that he is not disturbed by something unexpected.", shift = -12)`
`caesar("Bc[cb:[,g[gc[[f]:[h]>:[,g[bc[;;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
```r
seed_cipher("Cowards die many times before their deaths")
seed_cipher("\'Ced<,#G,QhG$dxoG/Q$h#G+h(C<hG/OhQ<\G,hd/0#",
           decrypt = TRUE)

seed_cipher("Men willingly believe what they wish.",
           seed = 2354)
seed_cipher("q391*D66D9;6.1x36D3d3l*p4l4<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'Sc]Df*Qcy%*cSk0Dl",
           seed = -100,
           decrypt = TRUE)
```
Index

caeser, 2
seed_cipher, 3