

Package ‘lzstring’

October 21, 2024

Type Package

Title Wrapper for 'lz-string' 'C++' Library

Version 0.1.3

Description Provide access to the 'lz-string'
<<http://pieroxy.net/blog/pages/lz-string/index.html>> 'C++' library for
Lempel-Ziv (LZ) based compression and decompression of strings.

License MIT + file LICENSE

Encoding UTF-8

LinkingTo cpp11

Suggests testthat (>= 3.0.0), ggplot2, bench

Config/testthat/edition 3

RoxygenNote 7.3.1

URL <https://parmsam.github.io/lzstring-r/>,
<https://github.com/parmsam/lzstring-r>

BugReports <https://github.com/parmsam/lzstring-r/issues>

NeedsCompilation yes

Author Sam Parmar [aut, cre],
Andrey Krasnov [cph] (Author of included lz-string C++ library),
Pawel Rucki [ctb]

Maintainer Sam Parmar <parmartsam@gmail.com>

Repository CRAN

Date/Publication 2024-10-21 18:20:03 UTC

Contents

compressToBase64	2
compressToEncodedURIComponent	2
decompressFromBase64	3
decompressFromEncodedURIComponent	3

Index	5
--------------	----------

compressToBase64 *Compress a string to Base64*

Description

This function takes a string as input and returns a compressed version of the string in Base64 format.

Usage

```
compressToBase64(string)
```

Arguments

string A character string to be compressed.

Value

A character string representing the compressed input string in Base64 format.

Examples

```
compressToBase64("Hello, world!")
```

compressToEncodedURIComponent
Compress a string to Encoded URI Component

Description

This function takes a string as input and returns a compressed version of the string in Encoded URI Component format.

Usage

```
compressToEncodedURIComponent(string)
```

Arguments

string A character string to be compressed.

Value

A character string representing the compressed input string in Encoded URI Component format.

Examples

```
compressToEncodedURIComponent("Hello, world!")
```

decompressFromBase64 *Decompress a string from Base64*

Description

This function takes a compressed string in Base64 format as input and returns the decompressed version of the string.

Usage

```
decompressFromBase64(string)
```

Arguments

string A character string in Base64 format to be decompressed.

Value

A character string representing the decompressed input string.

Examples

```
x <- compressToBase64("Hello, world!")
decompressFromBase64(x)
```

decompressFromEncodedURIComponent
Decompress a string from Encoded URI Component

Description

This function takes a compressed string in Encoded URI Component format as input and returns the decompressed version of the string.

Usage

```
decompressFromEncodedURIComponent(string)
```

Arguments

string A character string in Encoded URI Component format to be decompressed.

Value

A character string representing the decompressed input string.

Examples

```
x <- compressToEncodedURIComponent("Hello, world!")  
decompressFromEncodedURIComponent(x)
```

Index

`compressToBase64`, [2](#)
`compressToEncodedURIComponent`, [2](#)
`decompressFromBase64`, [3](#)
`decompressFromEncodedURIComponent`, [3](#)