

Package: remorse (via r-universe)

August 17, 2024

Title Translate Text to Morse to Sound

Version 0.1.1

Description Converts a string input to Morse Code and back. Plays the Morse Code as audible dits and dahs (dots and dashes).

License MIT + file LICENSE

Encoding UTF-8

Roxygen list(markdown = TRUE)

RoxygenNote 7.1.2

Depends R (>= 2.10)

LazyData true

Imports sonify

Suggests covr, testthat (>= 3.0.0)

Config/testthat/edition 3

Repository <https://matt-dray.r-universe.dev>

RemoteUrl <https://github.com/matt-dray/remorse>

RemoteRef HEAD

RemoteSha c0d381b6323b3f466e155528219e516255575ada

Contents

morse2sfx	2
morse2txt	2
morse_lookup	3
txt2morse	4

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

morse2sfx

Play Morse Code as Sound

Description

Provide a Morse Code string and it will be played over your computer's speakers as dits (dots), dahs (dashes) and pauses.

Usage

```
morse2sfx(string, dit_length = 0.05, play = TRUE)
```

Arguments

string	Character. A Morse Code string. See details.
dit_length	Numeric. Length of a dit in seconds. The length of a dah will be three times the dit_length.
play	Logical. Should sounds be played? Defaults to TRUE. Included for testing purposes.

Details

Only certain characters can be converted to and from Morse Code. See the inbuilt [morse_lookup](#) dataset. The input will be composed of dits (or dots, '.'), dahs (or dashes, '-'), dividers around the dits and dahs that represent a single character (') and word dividers (' ', a space). Ideally it will have been produced using [txt2morse](#).

Value

Nothing. Sounds will play if play = TRUE.

Examples

```
## Not run: txt2morse("hello there!") |> morse2sfx()
```

morse2txt*Convert Morse Code to a String*

Description

Provide a string of Morse Code and it'll be converted to the corresponding text.

Usage

```
morse2txt(string)
```

Arguments

string Character. A Morse Code string. See details.

Details

Only certain characters can be converted to and from Morse Code. See the inbuilt [morse_lookup](#) dataset. The input will be composed of dits (or dots, '.'), dahs (or dashes, '-'), dividers around the dits and dahs that represent a single character ('/') and word dividers (' ', a space). Ideally it will have been produced using [txt2morse](#).

Value

A character string.

Examples

```
txt2morse("hello there!") |> morse2txt()
```

morse_lookup	<i>Character to Morse Code Lookup</i>
--------------	---------------------------------------

Description

A mapping of Morse Code signals to letters, digits and punctuation.

Usage

```
morse_lookup
```

Format

A named character vector of length 52.

Source

International Morse Code.

`txt2morse`*Convert a String to Morse Code*

Description

Provide a string of text and it'll be converted to the corresponding string that represents that string in Morse Code.

Usage

```
txt2morse(string)
```

Arguments

`string` Character. Some text. See details.

Details

Only certain characters can be converted to and from Morse Code. See the inbuilt [morse_lookup](#) dataset. The output will be composed of dits (or dots, '.'), dahs (or dashes, '-'), dividers around the dits and dahs that represent a single character (') and word dividers (' ', a space).

Value

A character string.

Examples

```
txt2morse("hello there!")
```

Index

* datasets

morse_lookup, 3

morse2sfx, 2

morse2txt, 2

morse_lookup, 2, 3, 3, 4

txt2morse, 2, 3, 4