Package: r2eng (via r-universe)

August 26, 2024

Version 0.0.0.9006

Type Package

Title Translate R Code To An English Sentence

Description Take an R expression and convert it to English by matching recognised symbols with an opinionated list of English 'translations'. Inspired By Amelia McNamara's useR! 2020 conference talk.

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URL https://github.com/matt-dray/r2eng/

BugReports https://github.com/matt-dray/r2eng/issues

Encoding UTF-8

LazyData true

RoxygenNote 7.2.3

Language en-GB

Depends R (>= 2.10)

Imports rlang (>= 0.4.7), utils

Suggests rstudioapi (>= 0.11), testthat (>= 2.3.2)

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

RemoteUrl https://github.com/matt-dray/r2eng

RemoteRef HEAD

RemoteSha d4b0bcf8ef7451524f9af5c5fde7b6acb4a1d3f9

Contents

| addin_print | *RStudio Addin: Print Translated R Expression* |

Description

Print the highlighted R expression and English translation

Usage

```
addin_print()
```

| addin_speak | *RStudio Addin: Vocalise An R Expression* |

Description

Vocalise selected R expression aloud in English (macOS only).

Usage

```
addin_speak()
```

| evaluate | *Evaluate expression in r2eng object* |

Description

This function evaluates the expression of the r2eng object.

Usage

```
evaluate(r2eng, ...)

## S3 method for class 'r2eng'
evaluate(r2eng, envir = parent.frame(), ...)
```

Arguments

r2eng	An r2eng object to evaluate.
...	Other arguments to pass.
envir	Environment to evaluate the expression. Defaults to current environment.

Value

Nothing.

---

print.r2eng *Print r2eng Object For Reading*

Description

Print the r2eng object to see the original and translated expressions.

Usage

```
## S3 method for class 'r2eng'
print(x, ...)
```

Arguments

x   An r2eng object to print.

...   Other arguments to pass.

Value

Nothing.

---

speak *Speak out the English expression of r2eng object*

Description

This function speaks the English expression of the r2eng object. Currently, only macOS is supported.

Usage

```
speak(r2eng, ...)

## S3 method for class 'r2eng'
speak(r2eng, ...)
```

Arguments

r2eng   An r2eng object to speak.

...   Other arguments to pass.

Value

Nothing.

---

translate_string	*Translate R Code To Spoken English*

Description

Takes an R expression and converts it to English by matching recognised symbols with an opinionated list of English 'translations'.

Usage

```
translate_string(expression, speak = TRUE, function_call_end = "of ")

translate(expression, speak = TRUE, function_call_end = "of ")
```

Arguments

expression	An R expression (bare if `translate()`, quoted if `translate_string()`).
speak	Logical. Do you want your system to try and say the English expression? macOS only. Requires speakers on your machine.
function_call_end	
	Character, what should be added after a function call, e.g. setting this parameter to "of", this function translates `summary(x)` to "summary of x open paren x close paren".

Value

An r2eng object, which is a list with three elements: the input R expression, the 'translated' English expression and a data frame showing the translation of each R element.

Examples

```
## Not run:
translate(variable <- 1)

## End(Not run)
```

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