Package 'r2symbols'

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Type Package

Title Symbols for 'Markdown' and 'Shiny' Application

Version 1.4

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Description Direct insertion of over 1000 symbols (e.g. currencies, letters, emojis, arrows, mathematical symbols and so on) into 'Rmarkdown' documents and 'Shiny' applications by incorporating 'HTML' hex codes.

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URL https://r2symbols.obi.obianom.com

BugReports https://github.com/oobianom/r2symbols/issues

Depends R (>= 3.4)

Imports utils, htmltools, jsonlite

Suggests rmarkdown, knitr, qpdf

Encoding UTF-8

VignetteBuilder knitr

Language en-US

LazyData false

RoxygenNote 7.2.1

NeedsCompilation no

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Repository CRAN

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`as.html` *Transform to html*

Description

Transform string into HTML ready for Rmarkdown and Shiny

Usage

```
as.html(h)
```

Arguments

`h`	string

Value

HTML form of the string for easy insertion in Shiny or Rmarkdown documents

Examples

```
string <- "<b>smile</b>" #html b tag included to make the string bold
string_trans <- as.html(string)
cat(string) #when inserted in Rmarkdown will not show up as bolded
cat(string_trans) #when inserted into Rmarkdown will show up as bolded after knitting
```

is.empty *Is string empty*

Description

Return TRUE or FALSE after checking if a string is empty

Usage

```
is.empty(string)
```

Arguments

string	the string to be checked

Value

Returns TRUE or FALSE

Examples

```
string <- "r2resume"
string2 <- NULL
is.empty(string)
is.empty(string2)
```

sym *Get a desired symbol*

Description

Get a symbol by name or number for use in Rmarkdown or Shiny apps

Usage

```
sym(
  ...,
  font.size = NULL,
  font.weight = NULL,
  font.color = NULL,
  if.error = FALSE,
  search.units.each = FALSE
)
```

Arguments

...	the symbols to display
font.size	font size as integer
font.weight	font weight as integer
font.color	font color e.g. red, blue, cyan
if.error	error response
search.units.each	whether to search single letter columns

Value

symbol hex for HTML displays

Examples

```
sym("trademark")
sym("alpha")
sym("arrow-right")
sym(144)
```

---

sym.setting *Symbol setting*

Description

Font styling for symbols

Usage

```
sym.setting(font.size = NULL, font.weight = NULL, font.color = NULL)
```

Arguments

font.size	font size as integer
font.weight	font weight eg. normal, bold or lighter
font.color	font color e.g. red, blue, cyan

Value

No values returned

Examples

```
symbol.setting(40, "bold", "green") # ascribe settings for all symbols
symbol("alpha") # display the alpha symbol
symbol.setting() # clear settings for symbols
symbol("alpha") # display the alpha symbol
```

symbol *Get a desired symbol*

Description

Get a symbol by name or numberfor use in Rmarkdown or Shiny apps, could be a mathematical symbol or other kinds of symbols

Usage

```
symbol(
  ...,
  font.size = NULL,
  font.weight = NULL,
  font.color = NULL,
  if.error = FALSE,
  search.units.each = FALSE
)
```

Arguments

`...`	the symbols to display
`font.size`	font size as integer
`font.weight`	font weight as integer
`font.color`	font color e.g. red, blue, cyan
`if.error`	error response
`search.units.each`	whether to search single letter columns

Value

symbol hex for HTML integration

Complete cheatcheat for symbols

Common symbols include alpha, beta, copyright, registered, theta, sigma. See the complete list at https://github.com/oobianom/r2symbols.

Examples

```
symbol("trademark")
symbol("alpha")
symbol("arrow-right")
symbol(144)
```

symbol.setting *Symbol setting*

Description

Font styling for symbols

Usage

```
symbol.setting(font.size = NULL, font.weight = NULL, font.color = NULL)
```

Arguments

font.size	font size as integer
font.weight	font weight eg. normal, bold or lighter
font.color	font color e.g. red, blue, cyan

Value

No values returned

Examples

```
symbol.setting(40, "bold", "green") # ascribe settings for all symbols
symbol("alpha") # display the alpha symbol
symbol.setting() # clear settings for symbols
symbol("alpha") # display the alpha symbol
```

symbol.units *Transform custom units*

Description

Enter a unit and it will automatically be transformed to the appropriate form

Usage

```
symbol.units(units, error = FALSE)
```

Arguments

units	the desired unit e.g ug/mL,pg/mL, ab, yL
error	whether to report any errors

Value

Transformed units with substitution of symbols with appropriate symbol hex

Examples

```
symbol.units("ug/mL") # u will be transformed to mu
symbol.units("pg/mL") # no letter will be transformed
```

`symCat` *Fetch multiple symbols by category*

Description

Fetch one or more symbols by category

Usage

```
symCat(
  category,
  font.size = NULL,
  font.weight = NULL,
  font.color = NULL,
  if.error = TRUE
)
```

Arguments

`category`	symbol categories to fetch (minimum: 4 characters)
`font.size`	font size as integer
`font.weight`	font weight as integer
`font.color`	font color e.g. red, blue, cyan
`if.error`	show error response

Value

get symbols from matching a particular category

Categories include

arrows mixed chess check mark symbol animal emoji flag people skull sign star telephone weather zodiac smiley hourglass fraction cards triangle square

Examples

```
symCat("arrows")
symCat("smiley", font.size = 32)
symCat("music")
symCat("random") # should not work
```

symKey *Fetch multiple symbols by keyword*

Description

Fetch one or more symbols by keyword

Usage

```
symKey(
  keyword,
  font.size = NULL,
  font.weight = NULL,
  font.color = NULL,
  if.error = TRUE
)
```

Arguments

keyword	symbol keyword to fetch
font.size	font size as integer
font.weight	font weight as integer
font.color	font color e.g. red, blue, cyan
if.error	show error response

Value

get group of symbols maptching a particular keyword

Complete cheatcheat for symbols

Common symbols include alpha, beta, copyright, registered, theta, sigma. See the complete list at https://github.com/oobianom/r2symbols.

Examples

```
symKey("arrow", font.size = 45)
symKey("animal", font.color = "red")
symKey("random454")
symKey("show nothing")
```

symload *Symbol repository loader*

Description

Loads all the available symbols

Usage

```
symload(
  font.size = NULL,
  font.weight = NULL,
  font.color = NULL,
  if.error = TRUE
)
```

Arguments

font.size	font size as integer
font.weight	font weight as integer
font.color	font color e.g. red, blue, cyan
if.error	error response

Value

No returns, but symbols are loaded

Examples

```
symload(40, "normal", "purple") # load symbols and add symbol settings
symload() # load symbols without custom settings
```

trans.r2symbols *Transform HTML into symbols*

Description

Transform texts in HTML to symbols

Usage

```
trans.r2symbols(
  font.size = NULL,
  font.weight = c("normal", "bold", "lighter"),
  font.color = NULL
)
```

Arguments

font.size	font size as integer
font.weight	font weight eg. normal, bold or lighter
font.color	font color e.g. red, blue, cyan

Value

A rendered HTML where simple text is transformed to symbols using HTML codes

Note

This function simple inserts a script within the output HTML, which transforms the content using the relevant HTML codes.

Examples

```
trans.r2symbols()
```

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