Package ‘ARTofR’

March 5, 2022

Title To Insert Title, Divider, and Block of Comments

Version 0.4.1

Description For instructions, check <https://github.com/Hzhang-ouce/ARTofR>. This is a wrapper of 'bannerCommenter', for inserting neat comments, headers and dividers.

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Encoding UTF-8

RoxygenNote 7.1.2

Imports bannerCommenter (>= 1.0.0), clipr (>= 0.4.0), rstudioapi, shiny

Suggests rmarkdown, miniUI, knitr

VignetteBuilder knitr

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xxx_box

Convert sentences into a box of comments

Description

For user guide, please refer to https://github.com/Hzhang-ouce/ARTofR

Usage

xxx_box(mystring = NULL, center = FALSE)
xxx_box1(mystring = NULL, center = FALSE)
xxx_list(mystring = NULL, center = FALSE)
xxx_list1(mystring = NULL, center = FALSE)

Arguments

mystring A string, will be a line of comment. If missing, the function will try to grab texts from your clipboard.
center A logical value: Do you want the text strings centred? (alternative: left justified)

Details

xxx_box is for paragraph, xxx_list is for bullet points or numbered list. Number 1 in xxx_box1 and xxx_list1 imply style 1.

Value

A character string vector returned invisibly, but automatically displayed in the console, the output will be saved into clipboard

Functions

• xxx_box1: Same as xxx_box but add border
• xxx_list: Same as xxx_box but looks better for bullet points list or numbered list
• xxx_list1: Same as xxx_list but add border
**Examples**

```
# COMMON WORKFLOW OF THIS PACKAGE
# 1. type your text in any text editor
# 2. copy your text
# 3. call xxx_box() etc without arguments to grab text from clipboard
# 4. decorated text will be displayed and sent to clipboard, NO NEED to copy them
# 5. paste into your R script
#
```

```
# OTHER USAGE
xxx_box('test sentence, test sentence, test sentence, test sentence', center = FALSE)
xxx_box1('test sentence, test sentence, test sentence, test sentence', center = FALSE)
xxx_box1('test sentence, test sentence, test sentence, test sentence', center = TRUE)
```

---

**xxx_divider1**

Insert a divider (line break or page break)

**Description**

For user guide, please refer to [https://github.com/Hzhang-ouce/ARTofR](https://github.com/Hzhang-ouce/ARTofR)

**Usage**

```
xxx_divider1(mysting = NULL)
xxx_divider2(mysting = NULL)
```

**Arguments**

- mysting: the content of your break, must be one line only, not too long

**Details**

Divider is shorter than title for hierarchy purpose, title will be come a section (for folding) in Rstudio, but divider will not.

There are two styles of break, xxx_divider1 and xxx_divider2.

Please note that a super long divider string will result in an error.

call `xxx_divider1()` will grab text from clipboard,
call `xxx_divider1('')` will make a line without text,
call `xxx_divider1('mysting')` will make a divider with 'mysting'

**Value**

A character string vector returned invisibly, but automatically displayed in the console, the output will be saved into clipboard
Functions

- `xxx_divider2`: Same as `xxx_divider1` but different style

Examples

```
# COMMON WORKFLOW OF THIS PACKAGE
# 1. type your text in any text editor
# 2. copy your text
# 3. call `xxx_box()` etc without arguments to grab text from clipboard
# 4. decorated text will be displayed and sent to clipboard, NO NEED to copy them
# 5. paste into your R script
#
# # OTHER USAGE

xxx_divider1('mystring')
xxx_divider1('')
xxx_divider2('mystring')
xxx_divider2('')
```

---

`xxx_title1`  
**Insert a title**

Description

For user guide, please refer to [https://github.com/Hzhang-ouce/ARTofR](https://github.com/Hzhang-ouce/ARTofR)

Usage

```
xxx_title1(mysting = NULL)
xxx_title0(mysting = NULL)
xxx_title2(mysting = NULL)
xxx_title3(mysting = NULL)
```

Arguments

- `mysting`  
  the content of your title, must be one line only, not too long

Details

There are three levels of titles, inserting a title with `xxx_title()` will also add a section in Rstudio automatically.  
Please note that a super long title string will result in an error
xxx_title1 was designed as the main title of the whole script
xxx_title1() is the largest header
xxx_title2() is the middle size header
xxx_title3() is the smallest header

**Value**

A character string vector returned invisibly, but automatically displayed in the console, the output will be saved into clipboard

**Functions**

- `xxx_title0`: the middle size title
- `xxx_title2`: the middle size title
- `xxx_title3`: the smallest title

**Examples**

```r
# COMMON WORKFLOW OF THIS PACKAGE
# 1. type your text in any text editor
# 2. copy your text
# 3. call xxx_box() etc without arguments to grab text from clipboard
# 4. decorated text will be displayed and sent to clipboard, NO NEED to copy them
# 5. paste into your R script
#
#
#...............................................

# # OTHER USAGE

xxx_title0('my title')
xxx_title1('my title')
xxx_title2('my title')
xxx_title3('my title')
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