Package ‘spAddins’

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Title A Set of RStudio Addins
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Description A set of RStudio addins that are designed to be used in combination with user-defined RStudio keyboard shortcuts. These addins either:
1) insert text at a cursor position (e.g. insert operators %>%, %<-, %$%, etc.),
2) replace symbols in selected pieces of text (e.g., convert backslashes to forward slashes which results in stings like `c:\data\`` converted into `c:/data/`) or
3) enclose text with special symbols (e.g., converts `"bold"` into `"**bold**"`) which is convenient for editing R Markdown files.

URL https://github.com/GegznaV/spAddins

BugReports https://github.com/GegznaV/spAddins/issues
License MIT + file LICENSE
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Author Vilmantas Gegzna [aut, cre, cph]
Maintainer Vilmantas Gegzna <GegznaV@gmail.com>
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format_rmd  Add-ins for basic R Markdown formatting

Description

RStudio add-ins, which enclose selected text with symbols that have special interpretation in R Markdown. Function, symbols and interpretation

- rmd_bold(): between ** and ** as bold;
- rmd_italics(): between _ and _ as italics;
- rmd_bold_italics(): between **_ and _** as bold italics;
- rmd_bold2(): between __ and __ as bold;
- rmd_italics2(): between * and * as italics;
- rmd_code_inline(): between back-ticks (") as inline code;
- rmd_r_code_inline(): formats text as inline R code to evaluate;
- rmd_superscript(): between ^ and ^ as superscript;
- rmd_subscript(): between ~ and ~ as subscript;
- rmd_strikethrough(): between ~~ and ~~ as strike-through text.
Usage

rmd_a_bold()
rmd_a_italics()
rmd_a_bold_italics()
rmd_a_bold2()
rmd_a_italics2()
rmd_code_inline()
rmd_code_inline_r()
rmd_a_superscript()
rmd_a_subscript()
rmd_a_strikethrough()

See Also

Other R Markdown formatting add-ins: rmd_equations, rmd_list

insert_arrows

Insert arrow (->, ->>, <-, «-)  

Description

RStudio add-in to insert either ->, ->>, <- or «- at the cursor position.

Usage

rs_insert_arrow_rl()
rs_insert_arrow_rl2()
rs_insert_arrow_lr()
rs_insert_arrow_lr2()

Note

use hotkeys combination ALT + - to insert <- in RStudio.
See Also

Assignment operators assignOps.

Other 'Insert at cursor position' addins: insert_symbol_sequences

Examples

```r
## Not run:
\donttest{
library(spAddins)

rs_insert_arrow_rl()
## <-

rs_insert_arrow_rl2()
## <<-

rs_insert_arrow_lr()
## ->

rs_insert_arrow_lr2()
## ->>
}
## End(Not run)
```

Insert `%>%`, `%<>%`, `%$%` and `%T>%`

Description

These add-ins insert operators `%>%`, `%<>%`, `%$%`, and `%T>%` at the cursor position. The operators are defined in package magrittr.

Usage

```r
rs_insert_pipe()

rs_insert_update_pipe()

rs_insert_exposition_pipe()

rs_insert_tee_pipe()
```

Note

Operator does not work unless package magrittr or equivalent is loaded.
Insert_symbol_sequences

See Also

- Forward pipeline operator %>%
- Compound assignment pipe operator %<>%
- Exposition pipe operator %$% and operator $
- Tee operator %T>

Other 'Insert at cursor position' add-ins: rs_insert_infix_R, rs_insert_infix_in, rs_insert_infix_not_in, rs_insert_matrix_multiplication

Insert_symbol_sequences

*Insert various lines*

Description

Use rs_insert_ss_line() to insert ------;
rs_insert_ds_line() to insert ======
rs_insert_dw_line() to insert ~~~~~~ at the cursor position.

Usage

rs_insert_line_ss(start = rs_get_ind_first_selected_col(), end = 79)
rs_insert_line_ds(start = rs_get_ind_first_selected_col(), end = 79)
rs_insert_line_sw(start = rs_get_ind_first_selected_col(), end = 79)

Arguments

start  (numeric) The number of column the line begins at.
end   (numeric) The number of column the line ends at.

See Also

Other 'Insert at cursor position' addins: insert_arrows
repeat_symbol  

Repeat sequence of symbols

Usage

\texttt{repeat\_symbol(text, length.out)}

Arguments

- \texttt{text}  
  (character) The symbol (or sequence of symbols) to be repeated until desired length of string.

- \texttt{length.out}  
  (integer) The length of the sequence.

Value

String of defined length.

Examples

\begin{verbatim}
repeat_symbol(\textquotedbl{}\textquotedbl{}, 10)
repeat_symbol(\textquotedbl{}..\textquotedbl{}, 10)
\end{verbatim}

replace_slash  

Replace slash

Description

RStudio add-in to manage various types of slashes. Select a piece of text with a cursor and do the necessary replacement operation in the selected text:

- \texttt{rs\_replace\_slash\_bs2d} single back-slash into double back-slash;
- \texttt{rs\_replace\_slash\_bd2s} double back-slash into single back-slash;
- \texttt{rs\_replace\_slash\_b2fw} back-slash into forward-slash;
- \texttt{rs\_replace\_slash\_fw2b} forward-slash into back-slash.
### rmd_code_block

**Usage**

- `rs_replace_slash_bs2d()`
- `rs_replace_slash_bd2s()`
- `rs_replace_slash_b2fw()`
- `rs_replace_slash_fw2b()`

**Description**

RStudio add-in to insert selected lines into code block:

- `rmd_r_code_block()` - R code block;
- `rmd_code_block()` - verbatim code block.

`rs_enclose_all_with_lines` - function that adds lines above and below the selection.

**Usage**

- `rmd_code_block_r()`
- `rmd_code_block()`

---

### rmd_equations

**Format as LaTeX equation**

**Description**

Select a piece of text with a cursor and call these functions as an add-in to enclose the text with special symbols. Text between `$.` is interpreted as an inline equation and between `$$.` or `\[.\]` as a block equation in R Markdown.

**Usage**

- `rmd_equation_inline()`
- `rmd_equation_block()`
- `rmd_equation_block2()`

**See Also**

Other R Markdown formatting add-ins: `format_rmd`, `rmd_list`
rmd_headings  

Format text as R Markdown headings

Description

RStudio add-ins to format text as R Markdown headings.

Usage

rmd_b_heading_1()

rmd_b_heading_2()

rmd_b_heading_3()

rmd_b_heading_4()

rmd_b_heading_5()

rmd_b_heading_6()

rmd_b_heading_1_title()

rmd_b_heading_2_subtitle()

rmd_list  

Format text as R Markdown list

Description

RStudio add-ins which convert text into R Markdown lists. For the first-level lists:

- rmd_list() - the main function, that make lists;
- rmd_unordered_list() - unordered list;
- rmd_numbered_list() - numbered list;
- rmd_lettered_list() - lettered list (non-capital English letters);
- rmd_master_list() - master list (which numbering continues throughout the document).
rs_enclose_all_with_lines

Usage

rmd_list(type = "unordered", level = 1)
rmd_list_unordered()
rmd_list_unordered_2()
rmd_list_numbered()
rmd_list_numbered_2()
rmd_list_lettered()
rmd_list_lettered_2()
rmd_master_list()

Arguments

- **type** (character) the type of list "unordered", "numbered", "lettered", "LETTERED", "master".
- **level** (integer) the level of list.

See Also

Other R Markdown formatting add-ins: format_rmd, rmd_equations

rs_enclose_all_with_lines

Enclose selection with lines

Description

Enclose selected rows with lines above and below:

- `rs_enclose_all_with_lines()` - all selected rows;
- `rs_enclose_first_row_with_lines()` - the first selected row only.

Usage

rs_enclose_all_with_lines(above = NA, below = NA)
rmd_master_list(above = NA, below = NA)

Arguments

- **above** (character) Text to be inserted in the row above the selection.
- **below** (character) Text to be inserted in the row below the selection (or the first row).
rs_enclose_selection_with

Enclose selection of text with indicated symbols

Description
Enclose selection of text with indicated symbols

Usage
rs_enclose_selection_with(symbol = "", symbol_before = symbol, symbol_after = symbol)

Arguments
symbol (character) A sequence of symbols to add on both sides of selection.
symbol_before (character) A sequence of symbols to before the selection (overrides value of symbol).
symbol_after (character) A sequence of symbols to add after the selection (overrides value of symbol).

rs_get_ind_first_selected_col

Get index of the first column in the selection

Description
Get index of the first column in the selection

Usage
rs_get_ind_first_selected_col()

rs_get_ind_first_selected_row

Get index of the first row in the selection

Description
Get index of the first row in the selection

Usage
rs_get_ind_first_selected_row()
rs_insert_at_row_start

Insert text at the beginning of the row

Description

Insert text at the beginning of the row

Usage

rs_insert_at_row_start(row, text = NULL)

Arguments

row (integer)  The index of the row.
text (character) The text to add.

rs_insert_infix_in  Insert %in%

Description

Call this function as an add-in to insert %in%  at the cursor position.

Usage

rs_insert_infix_in()

See Also

Operator %in%.

Other 'Insert at cursor position' add-ins:  insert_magrittr_operators, rs_insert_infix_R, rs_insert_infix_not_in, rs_insert_matrix_multiplication
rs_insert_infix_not_in

*Insert %!in%

---

**Description**

Call this function as an add-in to insert %!in% at the cursor position.

**Usage**

```r
rs_insert_infix_not_in()
```

**Note**

Operator does not work unless a package which contains this operator is loaded.

**See Also**

Operator %!in%.

Other 'Insert at cursor position' add-ins: `insert_magrittr_operators`, `rs_insert_infix_R`, `rs_insert_infix_in`, `rs_insert_matrix_multiplication`.

---

rs_insert_infix_R

*Insert %R%

---

**Description**

Call this function as an add-in to insert %R% at the cursor position.

**Usage**

```r
rs_insert_infix_R()
```

**Note**

Operator does not work unless library which contains this operator is loaded.

**See Also**

Operator %R% in `rebus`.

Other 'Insert at cursor position' add-ins: `insert_magrittr_operators`, `rs_insert_infix_in`, `rs_insert_infix_not_in`, `rs_insert_matrix_multiplication`.
rs_insert_matrix_multiplication

Description
Call this function as an add-in to insert \%\*\% at the cursor position.

Usage
rs_insert_matrix_multiplication()

See Also
Operator \%\*\% for matrix multiplication.
Other 'Insert at cursor position' add-ins: insert_magrittr_operators, rs_insert_infix_R, rs_insert_infix_in, rs_insert_infix_not_in

rs_insert_symbol_seq

Description
Insert a sequence of symbols

Usage
rs_insert_symbol_seq(symbol, start_column = 1, end_column = 80)

Arguments
symbol (character) A sequence of symbols to be repeated
start_column (integer) Column position where the sequence begins.
end_column (integer) Column position where the sequence stops.
**spAddins**

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### rs_replace_in_selection

*Replace text in selection*

---

**Description**

Replace text in selection

**Usage**

```
rs_replace_in_selection(pattern, replacement)
```

**Arguments**

- `pattern` (character) A fixed pattern of text to be replaced (not a regular expression).
- `replacement` (character) The replacement text.

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### spAddins

*A Set of RStudio Add-ins*

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**Description**

spAddins provides a set of RStudio add-ins that are designed to be used in combination with user-defined RStudio keyboard shortcuts. These add-ins either insert text at the cursor position (e.g., insert operators `%>%`, `<-`, `%>%`, etc.), replace symbols in selected pieces of text, e.g., convert backslashes to forward slashes or enclose text with special symbols (e.g., converts "bold" into "**bold**") which is convenient for editing R Markdown files.

**License:** MIT

**URL:** [https://github.com/GegznaV/spAddins](https://github.com/GegznaV/spAddins)

**Bug reports and suggestions:** [https://github.com/GegznaV/spAddins/issues](https://github.com/GegznaV/spAddins/issues)

**Author:** Vilmantas Gegzna

**See Also**

Use the links below to learn more about RStudio add-ins and especially how to use them in combination with user-defined keyboard shortcuts:

1. RStudio add-ins;
2. Keyboard shortcuts;
3. Customizing keyboard shortcuts.
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