Package 'spAddins'

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Type Package

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

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NeedsCompilation no

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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

```
## 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_magrittr_operators` *Insert %>%, %<>%, %$% and %T>%*

Description

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

Usage

```
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.

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*

Description

Repeat sequence of symbols

Usage

```
repeat_symbol(text, length.out)
```

Arguments

text	(character) The symbol (or sequence of symbols) to be repeated until desired length of string.
length.out	(integer) The length of the sequence.

Value

Sting of defined length.

Examples

```
repeat_symbol(".", 10)

repeat_symbol("..+", 10)
```

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:

- `rs_replace_slash_bs2d` single back-slash into double back-slash;
- `rs_replace_slash_bd2s` double back-slash into single back-slash;
- `rs_replace_slash_b2fw` back-slash into forward-slash;
- `rs_replace_slash_fw2b` forward-slash into back-slash.

Usage

```
rs_replace_slash_bs2d()

rs_replace_slash_bd2s()

rs_replace_slash_b2fw()

rs_replace_slash_fw2b()
```

`rmd_code_block` *Convert rows into the block of code*

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).

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)

rs_enclose_first_row_with_lines(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

```
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

```
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 *Insert %*%*

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 *Insert a sequence of symbols*

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.

rs_replace_in_selection *Replace text in selection*

Description

Replace text in selection

Usage

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

Arguments

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

spAddins *A Set of RStudio Add-ins*

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 back-slashes 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
Bug reports and suggestions: 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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