

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 strings 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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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	<i>Insert arrow (->, ->>, <-, <<- at the cursor position.</i>
---------------	---

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' add-ins: [insert_arrows](#)

repeat_symbol	<i>Repeat sequence of symbols</i>
---------------	-----------------------------------

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

String of defined length.

Examples

```
repeat_symbol(".", 10)

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

replace_slash	<i>Replace slash</i>
---------------	----------------------

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	<i>Convert rows into the block of code</i>
----------------	--

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	<i>Format as LaTeX equation</i>
---------------	---------------------------------

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	<i>Format text as R Markdown headings</i>
--------------	---

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	<i>Format text as R Markdown list</i>
----------	---------------------------------------

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

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

`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	<i>Insert text at the beginning of the row</i>
------------------------	--

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	<i>Insert %in%</i>
--------------------	--------------------

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 fixed 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 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>

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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