

Package: spAddins (via r-universe)

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Type Package

Title RStudio Add-ins to Format R Markdown files (RETIRED PACKAGE)

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Description The development of `spAddins` ended in 2018 as the package retired in favor of packages `addins.rmd` and `addins.rs`. ... RStudio Add-ins to Format Text and Insert Operators ... 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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LazyData TRUE

ByteCompile TRUE

Encoding UTF-8

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VignetteBuilder knitr

Depends R (>= 3.2)

Imports rstudioapi, magrittr, stringi, stringr, purrr

Suggests knitr, rmarkdown, rebus

Repository <https://gegznv.r-universe.dev>

RemoteUrl <https://github.com/gegznv/spaddins>

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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_code_inline_highlighted_as_r()
rmd_a_superscript()
rmd_a_subscript()
rmd_a_strikethrough()
rmd_horizontal_rule()
rmd_link_url()
rmd_insert_figure()

See Also

Other R Markdown formatting add-ins: [rmd_code_block](#), [rmd_equations](#), [rmd_list](#)

insert_arrows

Insert HTML elements.

Description

RStudio add-in to insert HTML elements

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

Usage

html_insert_space()
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](#)

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 magrittr operators.

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	<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_code_block()` - verbatim code block;
- `rmd_code_block_r()` - R code block.

. `rmd_code_block_r_split()` - splits block of R code.

These functions internally use function `rs_enclose_all_with_lines()` - that adds lines above and below the selection.

Usage

```
rmd_code_block_r()
```

```
rmd_code_block()
```

```
rmd_code_block_r_split()
```

See Also

Other R Markdown formatting add-ins: [format_rmd](#), [rmd_equations](#), [rmd_list](#)

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_code_block](#), [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_01a_title()
```

```
rmd_b_heading_01b_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, context = get_context())
```

```
rmd_block_quotes()
```

```
rmd_line_blocks()
```

```
rmd_list_unordered()
```

```
rmd_list_unordered_2()
```

```
rmd_list_numbered()
```

```
rmd_list_numbered_2()
```

```
rmd_list_lettered()
```

```
rmd_list_lettered_2()
```

```
rmd_list_z_example_list()
```

Arguments

<code>type</code>	(character) the type of list "unordered", "numbered", "lettered", "LETTERED", "master".
<code>level</code>	(integer) the level of list.
<code>context</code>	Object with context of active R Studio document (class <code>document_context</code>).

See Also

Other R Markdown formatting add-ins: [format_rmd](#), [rmd_code_block](#), [rmd_equations](#)

rmd_tables	<i>Insert R Markdown tables</i>
------------	---------------------------------

Description

Insert examples of R Markdown tables.

Usage

```
rmd_table_1()
```

```
rmd_table_2()
```

```
rmd_table_3()
```

```
rmd_table_4()
```

```
rmd_table_5()
```

rs_enclose_all_with_lines	<i>Enclose selection with lines.</i>
---------------------------	--------------------------------------

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,  
  ensure_blank_above = FALSE, context = get_context())
```

```
rs_enclose_first_row_with_lines(above = NULL, below = NULL,  
  ensure_blank_above = FALSE, context = get_context())
```

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).
ensure_blank_above	(logical) If TRUE, checks if there is a blank line above the selection. If line is not blank, a blank line is added. If FALSE, blank line is not added.
context	Object with context of active R Studio document (class document_context).

`rs_enclose_selection_with`*Enclose selection of text with indicated symbols.*

Description

Enclose selection of text with certain symbols which usually have special meaning in R Markdown files.

Usage

```
rs_enclose_selection_with(symbol = "", symbol_before = symbol,  
  symbol_after = symbol, context = get_context())
```

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>).
<code>context</code>	Object with context of active R Studio document (class <code>document_context</code>).

Details

If text is selected, the cursor is placed after the modified selection. If no text is selected, the cursor is placed between the inserted symbols.

`rs_get_ind`*Get indices from the selection.*

Description

Get index of the first/last row/column in the selection.

Usage

```
rs_get_ind_first_selected_col(context = get_context())
```

```
rs_get_ind_last_selected_col(context = get_context())
```

```
rs_get_ind_first_selected_row(context = get_context())
```

```
rs_get_ind_last_selected_row(context = get_context())
```

Arguments

context Object with context of active R Studio document (class document_context).

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, id = NULL)
```

Arguments

row (integer) The index of the row.
text (character) The text to add.
id The document id. When NULL or blank, the mutation will apply to the currently open, or last focused, RStudio document. Use the id returned from [getActiveDocumentContext\(\)](#) to ensure that the operation is applied on the intended document.

rs_insert_before_first_selected_row

Insert text at the beginning of the first selected row.

Description

Insert text at the beginning of the first selected row.

Usage

```
rs_insert_before_first_selected_row(text = "",
  ensure_blank_above = FALSE, context = get_context())
```

Arguments

text (character) The text to add.
ensure_blank_above (logical) If TRUE, checks if there is a blank line above/below the selection. If line is not blank, a blank line is added. If FALSE, blank line is not added.
context Object with context of active R Studio document (class document_context).

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

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, context = get_context())
```

Arguments

pattern (character) A fixed pattern of text to be replaced (not a regular expression).
replacement (character) The replacement text.
context Object with context of active R Studio document (class document_context).

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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