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

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.
**insert_arrows**

**Usage**

```r
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`

---

**Description**

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

**Usage**

```r
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_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**

```r
erasure_insert_line_ss(start = rs_get_ind_first_selected_col(), end = 79)
erasure_insert_line_ds(start = rs_get_ind_first_selected_col(), end = 79)
erasure_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**

```r
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**

```r
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_f2b` forward-slash into back-slash.
**rmd_code_block**

**Usage**

```r
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.

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

**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 `$N$` is interpreted as an inline equation and between `$$.N$$` or `\(N\)` as a block equation in R Markdown.

**Usage**

```r
rmd_code_block_r()
rmd_code_block()
```

**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**

```r
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`

---

**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**

```r
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**

```python
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**

```python
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**

```python
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
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
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**

```r/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**

```r/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*

---

**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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