## Package 'rhandsontable'

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Title Interface to the 'Handsontable.js' Library
Version 0.3.8
Maintainer Jonathan Owen < jonathanro@gmail.com>
Description An R interface to the 'Handsontable' JavaScript library, which is a
      minimalist Excel-like data grid editor. See <a href="https://handsontable.com/">https://handsontable.com/</a> for details.
License MIT + file LICENSE
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Author Jonathan Owen [aut, cre, cph],
      Jeff Allen [ctb],
      Yihui Xie [ctb],
      Enzo Martoglio [ctb],
      Inberg Ger [ctb],
      Warpechowski Marcin [ctb, cph] (Handsontable.js library),
      Handsoncode sp. z o.o. [ctb, cph] (Handsontable.js library),
      Aisch Gregor [ctb, cph] (Chroma.js library),
      Företagsplatsen [ctb, cph] (Numbro.js library),
      Draper Adam [ctb, cph] (Numeral.js library),
      Wood Tim [ctb, cph] (Moment.js library),
      Chernev Iskren [ctb, cph] (Moment.js library),
      Moment.js contributors [ctb, cph] (Moment.js library),
      Bushell David [ctb, cph] (Pikaday.js library),
      jQuery Foundation [ctb, cph] (jQuery.js library),
```

Splunk Inc [ctb, cph] (Sparkline.js library), Russell Kent [ctb, cph] (Sparkline.js library), Rohan Jon [ctb, cph] (ZeroClipboard library), Greene James [ctb, cph] (ZeroClipboard library), Hammill Dillon [ctb]

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## Description

R interface for creating tables using Handsontable, urlhttps://handsontable.com/

#### **Details**

For full documentation on the package, visit https://jrowen.github.io/rhandsontable/

editAddin 3

editAddin	Edit a Data Frame.	

## Description

Interactively edit a data.frame or data.table. The resulting code will be emitted as a call to reload the data from a temp RDS file.

## Usage

```
editAddin()
```

#### **Details**

This addin can be used to interactively edit. The intended way to use this is as follows:

1. Highlight a symbol naming a data. frame or data. table in your R session, e.g. mtcars. 2. Execute this addin, to interactively edit it.

When you're done, the code performing this operation will be emitted at the cursor position.

This function borrows heavily from rstudio/addinexamples/subsetAddin

hot_cell	Handsontable widget

## Description

Configure single cell. See Handsontable.js for details.

#### Usage

```
hot_cell(hot, row, col, comment = NULL, readOnly = NULL)
```

## **Arguments**

hot	rhandsontable object
row	numeric row index
col	column name or index

comment character comment to add to cell readOnly logical making the cell read-only

### See Also

```
hot_cols, hot_rows
```

4 hot\_col

#### **Examples**

hot\_col

Handsontable widget

## **Description**

Configure single column.

## Usage

```
hot_col(
  hot,
  col,
  type = NULL,
  format = NULL,
  source = NULL,
  strict = NULL,
  readOnly = NULL,
  validator = NULL,
  allowInvalid = NULL,
  halign = NULL,
  valign = NULL,
  renderer = NULL,
  copyable = NULL,
  dateFormat = NULL,
  default = NULL,
  language = NULL,
)
```

## Arguments

hot rhandsontable object

col vector of column names or indices

type character specify the data type. Options include: numeric, date, checkbox, select, dropdown, autocomplete, password, and handsontable (not implemented yet)

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format	characer specifying column format. See Cell Types at Handsontable.js for the formatting options for each data type. Numeric columns are formatted using Numbro.js.
source	a vector of choices for select, dropdown and autocomplete column types
strict	logical specifying whether values not in the source vector will be accepted
readOnly	logical making the column read-only
validator	character defining a Javascript function to be used to validate user input. See hot_validate_numeric and hot_validate_character for pre-build validators.
allowInvalid	logical specifying whether invalid data will be accepted. Invalid data cells will be color red.
halign	character defining the horizontal alignment. Possible values are $htLeft$ , $htCenter$ , $htRight$ and $htJustify$
valign	character defining the vertical alignment. Possible values are $htTop$ , $htMiddle$ , $htBottom$
renderer	character defining a Javascript function to be used to format column cells. Can be used to implement conditional formatting.
copyable	logical defining whether data in a cell can be copied using Ctrl + C
dateFormat	character defining the date format. See Moment.js for details.
default	default column value for new rows (NA if not specified; shiny only)
language	locale passed to Numbro.js; default is 'en-US'.
	passed to handsontable

## See Also

```
hot\_cols, hot\_rows, hot\_cell
```

6 hot\_cols

hot\_cols

Handsontable widget

## **Description**

Configure multiple columns.

## Usage

```
hot_cols(
  hot,
  colWidths = NULL,
  columnSorting = NULL,
  manualColumnMove = NULL,
  manualColumnResize = NULL,
  fixedColumnsLeft = NULL,
  ...
)
```

#### **Arguments**

hot rhandsontable object

colWidths a scalar or numeric vector of column widths

columnSorting logical enabling row sorting. Sorting only alters the table presentation and the

original dataset row order is maintained. The sorting will be done when a user

click on column name

manualColumnMove

logical enabling column drag-and-drop reordering

manualColumnResize

logical enabline column width resizing

 ${\tt fixedColumnsLeft}$ 

a scalar indicating the number of columns to freeze on the left

... passed to hot\_col

## See Also

```
hot_col, hot_rows, hot_cell
```

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hot\_context\_menu

Handsontable widget

### **Description**

Configure the options for the right-click context menu

## Usage

```
hot_context_menu(
  hot,
  allowRowEdit = TRUE,
  allowColEdit = TRUE,
  allowReadOnly = FALSE,
  allowComments = FALSE,
  allowCustomBorders = FALSE,
  customOpts = NULL,
  ...
)
```

### Arguments

```
hot
                 rhandsontable object
allowRowEdit
                 logical enabling row editing
allowColEdit
                 logical enabling column editing. Note that Handsontable does not support col-
                 umn add/remove when column types are defined (i.e. useTypes == TRUE in
                 rhandsontable).
                 logical enabling read-only toggle
allowReadOnly
allowComments
                 logical enabling comments
allowCustomBorders
                 logical enabling custom borders
                 list
customOpts
                 ignored
. . .
```

8 hot\_row

ha+	heatmap
11()1	nearman

Handsontable widget

## **Description**

Add heatmap to table.

## Usage

```
hot_heatmap(hot, cols, color_scale = c("#ED6D47", "#17F556"), renderer = NULL)
```

## **Arguments**

hot rhandsontable object

cols numeric vector of columns to include in the heatmap. If missing all columns are

used.

color\_scale character vector that includes the lower and upper colors

renderer character defining a Javascript function to be used to determine the cell colors.

If missing, rhandsontable:::renderer\_heatmap is used.

## **Examples**

hot\_row

Handsontable widget

## **Description**

Configure properties of all cells in a given row(s). Note that hot\_row is not to be confused with hot\_rows. See Handsontable.js for details.

#### Usage

```
hot_row(hot, row, readOnly = NULL)
```

## **Arguments**

hot rhandsontable object

row numeric vector of row indexes readOnly logical making the row(s) read-only hot\_rows 9

#### See Also

```
hot_cols, hot_cell, hot_rows
```

## **Examples**

hot\_rows

Handsontable widget

## **Description**

Configure row settings that pertain to the entire table. Note that hot\_rows is not to be confused with hot\_row. See Handsontable.js for details.

## Usage

```
hot_rows(hot, rowHeights = NULL, fixedRowsTop = NULL)
```

## **Arguments**

hot rhandsontable object

rowHeights a scalar or numeric vector of row heights

fixedRowsTop a scaler indicating the number of rows to freeze on the top

## See Also

```
hot_cols, hot_cell
```

10 hot\_table

hot\_table

Handsontable widget

## **Description**

Configure table. See Handsontable.js for details.

## Usage

```
hot_table(
  hot,
  contextMenu = TRUE,
  stretchH = "none",
  customBorders = NULL,
  highlightRow = NULL,
  highlightCol = NULL,
  enableComments = FALSE,
  overflow = NULL,
  rowHeaderWidth = NULL,
  ...
)
```

## Arguments

hot rhandsontable object contextMenu logical enabling the right-click menu stretchH character describing column stretching. Options are 'all', 'right', and 'none' json object customBorders highlightRow logical enabling row highlighting for the selected cell highlightCol logical enabling column highlighting for the selected cell enableComments logical enabling comments in the table overflow character setting the css overflow behavior. Options are auto (default), hidden and visible rowHeaderWidth numeric width (in px) for the rowHeader column passed to Handsontable.js constructor

### See Also

rhandsontable

hot\_to\_r

## **Examples**

hot\_to\_r

Handsontable widget

## Description

Convert handsontable data to R object. Can be used in a shiny app to convert the input json to an R dataset.

## Usage

```
hot_to_r(...)
```

#### **Arguments**

... passed to rhandsontable:::toR

## See Also

rHandsontableOutput

```
hot_validate_character
```

Handsontable widget

## Description

Add numeric validation to a column

## Usage

```
hot_validate_character(hot, cols, choices, allowInvalid = FALSE)
```

hot\_validate\_numeric

## Arguments

hot rhandsontable object

cols vector of column names or indices

choices a vector of acceptable numeric choices. It will be evaluated after min and max

if specified.

allowInvalid logical specifying whether invalid data will be accepted. Invalid data cells will

be color red.

#### See Also

hot\_validate\_numeric

## **Examples**

hot\_validate\_numeric Handsontable widget

## **Description**

Add numeric validation to a column

## Usage

```
hot_validate_numeric(
  hot,
  cols,
  min = NULL,
  max = NULL,
  choices = NULL,
  exclude = NULL,
  allowInvalid = FALSE
)
```

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#### **Arguments**

hot rhandsontable object

cols vector of column names or indices

min minimum value to accept max maximum value to accept

choices a vector of acceptable numeric choices. It will be evaluated after min and max

if specified.

exclude a vector of unacceptable numeric values

allowInvalid logical specifying whether invalid data will be accepted. Invalid data cells will

be color red.

#### See Also

hot\_validate\_character

## **Examples**

renderRHandsontable

Handsontable widget

## **Description**

Shiny bindings for rhandsontable

## Usage

```
renderRHandsontable(expr, env = parent.frame(), quoted = FALSE)
```

#### **Arguments**

expr an expression that generates an rhandsontable. env the environment in which to evaluate expr.

quoted is expr a quoted expression (with quote())? This is useful if you want to save

an expression in a variable.

#### See Also

```
rHandsontableOutput, hot_to_r
```

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rhandsontable

Handsontable widget

#### **Description**

Create a Handsontable.js widget.

## Usage

```
rhandsontable(
  data,
  colHeaders,
  rowHeaders,
  comments = NULL,
  useTypes = TRUE,
  readOnly = NULL,
  selectCallback = FALSE,
  width = NULL,
  height = NULL,
  digits = 4,
  debug = NULL,
  search = FALSE,
  ...
)
```

#### **Arguments**

data a data.table, data.frame or matrix

colHeaders a vector of column names. If missing colnames will be used. Setting to NULL

will omit.

rowHeaders a vector of row names. If missing rownames will be used. Setting to NULL will

omit.

comments matrix or data.frame of comments; NA values are ignored

useTypes logical specifying whether column classes should be mapped to equivalent Javascript

types. Note that Handsontable does not support column add/remove when col-

umn types are defined (i.e. useTypes == TRUE in rhandsontable).

readOnly logical specifying whether the table is editable

selectCallback logical enabling the afterSelect event to return data. This can be used with shiny

to tie updates to a selected table cell.

width numeric table width height numeric table height

digits numeric passed to jsonlite::toJSON

debug numeric Javascript log level

search logical specifying if the data can be searched (see <a href="https://jrowen.github">https://jrowen.github</a>.

io/rhandsontable/#Customizing and Shiny example in inst/examples/rhandsontable\_search)

... passed to hot\_table and to the params property of the widget

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#### **Details**

For full documentation on the package, visit https://jrowen.github.io/rhandsontable/

#### See Also

```
hot_table, hot_cols, hot_rows, hot_cell
```

#### **Examples**

rhandsontable-exports rhandsontable exported operators

## **Description**

The following functions are imported and then re-exported from the rhandsontable package to enable use of the magrittr pipe operator with no additional library calls

rHandsontableOutput Handsontable widget

### **Description**

Shiny bindings for rhandsontable

## Usage

```
rHandsontableOutput(outputId, width = "100%", height = "100%")
```

## **Arguments**

outputId output variable to read from

width, height must be a valid CSS unit in pixels or a number, which will be coerced to a string

and have "px" appended.

#### See Also

renderRHandsontable

set\_data

set_data Handsontable widget
------------------------------

## Description

Set data inside a Handsontable instance without recreating the widget. Send the new values as a vector of rows, a vector of columns, and a vector of values. If different length vectors are supplied then the shorter ones are recycled to match the length of the longest.

## Usage

```
set_data(id, row, col, val, session, zero_indexed = F)
```

## **Arguments**

id	The id of the table to interact with.
row	Integer vector of row indexes.
col	Integer vector the column indexes.
val	Vector of values to set at each row-col pair.
session	The session that is associated with your shiny server function. The table is only interactive when used in shiny so we only use set_data when the table is in shiny.
zero_indexed	Default FALSE. Set to TRUE if you are supplying row and col indexes that are already 0-based.

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