Package 'DT'

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Title A Wrapper of the JavaScript Library 'DataTables' Version 0.18 Maintainer Yihui Xie <xie@yihui.name> **Description** Data objects in R can be rendered as HTML tables using the JavaScript library 'DataTables' (typically via R Markdown or Shiny). The 'DataTables' library has been included in this R package. The package name 'DT' is an abbreviation of 'DataTables'. URL https://github.com/rstudio/DT BugReports https://github.com/rstudio/DT/issues License GPL-3 | file LICENSE **Imports** htmltools (>= 0.3.6), htmlwidgets (>= 1.3), jsonlite (>= 0.9.16), magrittr, crosstalk, promises **Suggests** knitr (>= 1.8), rmarkdown, shiny (>= 1.6), bslib, testit VignetteBuilder knitr RoxygenNote 7.1.1 **Encoding UTF-8** NeedsCompilation no Author Yihui Xie [aut, cre], Joe Cheng [aut], Xianying Tan [aut], JJ Allaire [ctb], Maximilian Girlich [ctb], Greg Freedman Ellis [ctb], Johannes Rauh [ctb], ¡Query contributors [ctb, cph] (¡Query in htmlwidgets/lib), SpryMedia Limited [ctb, cph] (DataTables in htmlwidgets/lib), Brian Reavis [ctb, cph] (selectize.js in htmlwidgets/lib), Leon Gersen [ctb, cph] (noUiSlider in htmlwidgets/lib), Bartek Szopka [ctb, cph] (jquery.highlight.js in htmlwidgets/lib), RStudio, PBC [cph]

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Description

Create a new value from a character string based on an old value, e.g., if the old value is an integer, call as.integer() to coerce the string to an integer.

Usage

```
coerceValue(val, old)
```

Arguments

val A character string.

old An old value, whose type is the target type of val.

Details

This function only works with integer, double, date, time (POSIX1t or POSIXct), and factor values. The date must be of the format %Y-%m-%dT%H:%M:%SZ. The factor value must be in the levels of old, otherwise it will be coerced to NA.

Value

A value of the same data type as old if possible.

Examples

```
library(DT)
coerceValue("100", 1L)
coerceValue("1.23", 3.1416)
coerceValue("2018-02-14", Sys.Date())
coerceValue("2018-02-14T22:18:52Z", Sys.time())
coerceValue("setosa", iris$Species)
coerceValue("setosa2", iris$Species) # NA
coerceValue("FALSE", TRUE) # not supported
```

datatable

Create an HTML table widget using the DataTables library

Description

This function creates an HTML widget to display rectangular data (a matrix or data frame) using the JavaScript library DataTables.

Usage

```
datatable(
  data,
 options = list(),
 class = "display",
 callback = JS("return table;"),
  rownames,
  colnames,
  container,
  caption = NULL,
  filter = c("none", "bottom", "top"),
  escape = TRUE,
  style = "auto",
 width = NULL,
  height = NULL,
  elementId = NULL,
  fillContainer = getOption("DT.fillContainer", NULL),
  autoHideNavigation = getOption("DT.autoHideNavigation", NULL),
  selection = c("multiple", "single", "none"),
  extensions = list(),
 plugins = NULL,
  editable = FALSE
)
```

Arguments

data

a data object (either a matrix or a data frame)

options a list of initialization options (see https://datatables.net/reference/option/);

the character options wrapped in JS() will be treated as literal JavaScript code

instead of normal character strings; you can also set options globally via options (DT. options

= list(...)), and global options will be merged into this options argument if

set

class the CSS class(es) of the table; see https://datatables.net/manual/styling/

classes

callback the body of a JavaScript callback function with the argument table to be applied

to the DataTables instance (i.e. table)

rownames TRUE (show row names) or FALSE (hide row names) or a character vector of row

names; by default, the row names are displayed in the first column of the table

if exist (not NULL)

colnames if missing, the column names of the data; otherwise it can be an unnamed char-

acter vector of names you want to show in the table header instead of the default data column names; alternatively, you can provide a *named* numeric or character vector of the form 'newName1' = i1, 'newName2' = i2 or c('newName1' = 'oldName1', 'newName2' = 'oldName2',...), where newName is the new name you want to show in the table, and i or oldName is the index of the current col-

umn name

container a sketch of the HTML table to be filled with data cells; by default, it is generated

from htmltools::tags\$table() with a table header consisting of the column

names of the data

caption the table caption; a character vector or a tag object generated from htmltools::tags\$caption()

filter whether/where to use column filters; none: no filters; bottom/top: put col-

umn filters at the bottom/top of the table; range sliders are used to filter numeric/date/time columns, select lists are used for factor columns, and text input boxes are used for character columns; if you want more control over the styles of filters, you can provide a list to this argument of the form list(position = 'top',clear = TRUE,plain = FALSE), where clear indicates whether you want the clear buttons in the input boxes, and plain means if you want to use

Bootstrap form styles or plain text input styles for the text input boxes

escape whether to escape HTML entities in the table: TRUE means to escape the whole

table, and FALSE means not to escape it; alternatively, you can specify numeric column indices or column names to indicate which columns to escape, e.g. 1:5 (the first 5 columns), c(1,3,4), or c(-1,-3) (all columns except the first and third), or c('Species', 'Sepal.Length'); since the row names take the first column to display, you should add the numeric column indices by one when

using rownames

style either 'auto', 'default', 'bootstrap', or 'bootstrap4'. If 'auto', and a

bslib theme is currently active, then bootstrap styling is used in a way that "just works" for the active theme. Otherwise, DataTables 'default' styling is used. If set explicitly to 'bootstrap' or 'bootstrap4', one must take care to ensure Bootstrap's HTML dependencies (as well as Bootswatch themes, if desired) are included on the page. Note, when set explicitly, it's the user's responsibility to ensure that only one unique 'style' value is used on the same page, if multiple DT tables exist, as different styling resources may conflict with

each other.

width, height Width/Height in pixels (optional, defaults to automatic sizing)

elementId An id for the widget (a random string by default).

fillContainer TRUE to configure the table to automatically fill it's containing element. If the

table can't fit fully into it's container then vertical and/or horizontal scrolling of

the table cells will occur.

autoHideNavigation

TRUE to automatically hide navigational UI (only display the table body) when the number of total records is less than the page size. Note, it only works on the client-side processing mode and the 'pageLength' option should be provided

explicitly.

selection the row/column selection mode (single or multiple selection or disable selec-

tion) when a table widget is rendered in a Shiny app; alternatively, you can use a list of the form list(mode = 'multiple', selected = c(1,3,8), target = 'row', selectable = c(-2,-3)) to pre-select rows and control the selectable range; the element target in the list can be 'column' to enable column selection, or 'row+column' to make it possible to select both rows and columns (click on the footer to select columns), or 'cell' to select cells. See details

section for more info.

extensions a character vector of the names of the DataTables extensions (https://datatables.

net/extensions/index)

plugins a character vector of the names of DataTables plug-ins (https://rstudio.

github.io/DT/plugins.html). Note that only those plugins supported by the DT package can be used here. You can see the available plugins by calling

DT:::available_plugins()

editable FALSE to disable the table editor, or TRUE (or "cell") to enable editing a sin-

gle cell. Alternatively, you can set it to "row" to be able to edit a row, or "column" to edit a column, or "all" to edit all cells on the current page of the table. In all modes, start editing by doubleclicking on a cell. This argument can also be a list of the form list(target = TARGET, disable = list(columns = INDICES)), where TARGET can be cell, row, column, or all, and INDICES is an integer vector of column indices. Use the list form if you want to disable

editing certain columns.

Details

selection:

- 1. The argument could be a scalar string, which means the selection mode, whose value could be one of 'multiple' (the default), 'single' and 'none' (disable selection).
- 2. When a list form is provided for this argument, only parts of the "full" list are allowed. The default values for non-matched elements are list(mode = 'multiple', selected = NULL, target = 'row', selectable = NULL).
- 3. target must be one of 'row', 'column', 'row+column' and 'cell'.
- 4. selected could be NULL or "indices".
- 5. selectable could be NULL, TRUE, FALSE or "indices", where NULL and TRUE mean all the table is selectable. When FALSE, it means users can't select the table by the cursor (but they could

still be able to select the table via dataTableProxy, specifying ignore.selectable = TRUE). If "indices", they must be all positive or non-positive values. All positive "indices" mean only the specified ranges are selectable while all non-positive "indices" mean those ranges are *not* selectable. The "indices" format is specified below.

- 6. The "indices" format of selected and selectable: when target is 'row' or 'column', it should be a plain numeric vector; when target is 'row+column', it should be a list, specifying rows and cols respectively, e.g., list(rows = 1, cols = 2); when target is 'cell', it should be a 2-col matrix, where the two values of each row stand for the row and column index.
- 7. Note that DT has its own selection implementation and doesn't use the Select extension because the latter doesn't support the server-side processing mode well. Please set this argument to 'none' if you really want to use the Select extension.

Note

You are recommended to escape the table content for security reasons (e.g. XSS attacks) when using this function in Shiny or any other dynamic web applications.

References

See https://rstudio.github.io/DT/ for the full documentation.

```
library(DT)
# see the package vignette for examples and the link to website
vignette('DT', package = 'DT')
# some boring edge cases for testing purposes
m = matrix(nrow = 0, ncol = 5, dimnames = list(NULL, letters[1:5]))
datatable(m) # zero rows
datatable(as.data.frame(m))
m = matrix(1, dimnames = list(NULL, 'a'))
datatable(m) # one row and one column
datatable(as.data.frame(m))
m = data.frame(a = 1, b = 2, c = 3)
datatable(m)
datatable(as.matrix(m))
# dates
datatable(data.frame(
  date = seq(as.Date("2015-01-01"), by = "day", length.out = 5), x = 1:5
datatable(data.frame(x = Sys.Date()))
datatable(data.frame(x = Sys.time()))
```

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	dataTableAjax	Register a data object in a shiny session for DataTables	
--	---------------	----------------------------------------------------------	--

Description

This function stores a data object in a shiny session and returns a URL that returns JSON data based on DataTables Ajax requests. The URL can be used as the url option inside the ajax option of the table. It is basically an implementation of server-side processing of DataTables in R. Filtering, sorting, and pagination are processed through R instead of JavaScript (client-side processing).

Usage

```
dataTableAjax(session, data, rownames, filter = dataTablesFilter, outputId)
```

Arguments

session	the session object in the shiny server function (function(input,output,session))
data	a data object (will be coerced to a data frame internally)
rownames	see datatable(); it must be consistent with what you use in datatable(), e.g. if the widget is generated by datatable(rownames = FALSE), you must also use dataTableAjax(rownames = FALSE) here
filter	(for expert use only) a function with two arguments data and params (Ajax parameters, a list of the form list(search = list(value = 'F00', regex = 'false'), length = 10,)) that return the filtered table result according to the DataTables Ajax request
outputId	the output ID of the table (the same ID passed to dataTableOutput(); if missing, an attempt to infer it from session is made. If it can't be inferred, a random id is generated.)

Details

Normally you should not need to call this function directly. It is called internally when a table widget is rendered in a Shiny app to configure the table option ajax automatically. If you are familiar with **DataTables**' server-side processing, and want to use a custom filter function, you may call this function to get an Ajax URL.

Value

A character string (an Ajax URL that can be queried by DataTables).

References

https://rstudio.github.io/DT/server.html

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Examples

```
DTApp = function(data, ..., options = list()) {
  library(shiny)
  library(DT)
  shinyApp(
   ui = fluidPage(
      title = 'Server-side processing of DataTables',
      fluidRow(
       DT::dataTableOutput('tbl')
   ),
    server = function(input, output, session) {
      options$serverSide = TRUE
      options$ajax = list(url = dataTableAjax(session, data, outputId = 'tbl'))
      # create a widget using an Ajax URL created above
      widget = datatable(data, ..., options = options)
      output$tbl = DT::renderDataTable(widget)
   }
  )
}
if (interactive()) DTApp(iris)
if (interactive()) DTApp(iris, filter = 'top')
```

dataTableOutput

Helper functions for using DT in Shiny

Description

These two functions are like most fooOutput() and renderFoo() functions in the **shiny** package. The former is used to create a container for table, and the latter is used in the server logic to render the table.

Usage

```
dataTableOutput(outputId, width = "100%", height = "auto")
DTOutput(outputId, width = "100%", height = "auto")
renderDataTable(
  expr,
  server = TRUE,
  env = parent.frame(),
  quoted = FALSE,
  funcFilter = dataTablesFilter,
  ...
)
```

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```
renderDT(
  expr,
  server = TRUE,
  env = parent.frame(),
  quoted = FALSE,
  funcFilter = dataTablesFilter,
  ...
)
```

Arguments

output variable to read the table from outputId width the width of the table container the height of the table container height an expression to create a table widget (normally via datatable()), or a data expr object to be passed to datatable() to create a table widget whether to use server-side processing. If TRUE, then the data is kept on the server server and the browser requests a page at a time; if FALSE, then the entire data frame is sent to the browser at once. Highly recommended for medium to large data frames, which can cause browsers to slow down or crash. Note that if you want to use renderDataTable with shiny::bindCache(), this must be FALSE. 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. funcFilter (for expert use only) passed to the filter argument of dataTableAjax()

to datatable() when expr returns a data object

ignored when expr returns a table widget, and passed as additional arguments

References

. . .

https://rstudio.github.io/DT/shiny.html

```
if (interactive()) {
    library(shiny)
    library(DT)
    shinyApp(
    ui = fluidPage(fluidRow(column(12, DTOutput('tbl')))),
    server = function(input, output) {
        output$tbl = renderDT(
            iris, options = list(lengthChange = FALSE)
        )
     }
    )
}
```

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dataTableProxy

Manipulate an existing DataTables instance in a Shiny app

Description

The function dataTableProxy() creates a proxy object that can be used to manipulate an existing DataTables instance in a Shiny app, e.g. select rows/columns, or add rows.

Usage

```
dataTableProxy(
  outputId,
  session = shiny::getDefaultReactiveDomain(),
  deferUntilFlush = TRUE
)
selectRows(proxy, selected, ignore.selectable = FALSE)
selectColumns(proxy, selected, ignore.selectable = FALSE)
selectCells(proxy, selected, ignore.selectable = FALSE)
addRow(proxy, data, resetPaging = TRUE)
clearSearch(proxy)
selectPage(proxy, page)
updateCaption(proxy, caption)
updateSearch(proxy, keywords = list(global = NULL, columns = NULL))
showCols(proxy, show, reset = FALSE)
hideCols(proxy, hide, reset = FALSE)
colReorder(proxy, order, origOrder = FALSE)
reloadData(
  proxy,
  resetPaging = TRUE,
  clearSelection = c("all", "none", "row", "column", "cell")
)
```

Arguments

outputId

the id of the table to be manipulated (the same id as the one you used in dataTableOutput())

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session the Shiny session object (from the server function of the Shiny app)

deferUntilFlush

whether an action should be carried out right away, or should be held until after

the next time all of the outputs are updated

proxy a proxy object returned by dataTableProxy()

selected an integer vector of row/column indices, or a matrix of two columns (row and

column indices, respectively) for cell indices; you may use NULL to clear existing

selections

ignore.selectable

page

when FALSE (the default), the "non-selectable" range specified by selection = list(selectable=) is respected, i.e., you can't select "non-selectable" range.

Otherwise, it is ignored.

data a single row of data to be added to the table; it can be a matrix or data frame

of one row, or a vector or list of row data (in the latter case, please be cautious about the row name: if your table contains row names, here data must also

contain the row name as the first element)

resetPaging whether to reset the paging position

caption a new table caption (see the caption argument of datatable())

a number indicating the page to select

keywords a list of two components: global is the global search keyword of a single char-

acter string (ignored if NULL); columns is a character vector of the search keywords for all columns (when the table has one column for the row names, this vector of keywords should contain one keyword for the row names as well)

show a vector of column positions to show (the indexing starts at 0, but if row.names

are visible, they are the first column).

reset if TRUE, will only show/hide the columns indicated.

hide a vector of column positions to hide

order A numeric vector of column positions, starting from 0, and including the row.names

as a column, if they are include. Must contain a value for all columns, regardless of whether they are visible or not. Also for column reordering to work, the datatable must have extension 'ColReorder' set as well as option 'colReordoer'

set to TRUE).

origOrder Whether column reordering should be relative to the original order (the default

is to compare to current order)

clearSelection which existing selections to clear: it can be any combinations of row, column,

and cell, or all for all three, or none to keep current selections (by default, all

selections are cleared after the data is reloaded)

Note

addRow() only works for client-side tables. If you want to use it in a Shiny app, make sure to use renderDataTable(..., server = FALSE). Also note that the column filters (if used) of the table will not be automatically updated when a new row is added, e.g., the range of the slider of a column will stay the same even if you have added a value outside the range of the original data column.

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reloadData() only works for tables in the server-side processing mode, e.g. tables rendered with renderDataTable(server = TRUE). The data to be reloaded (i.e. the one you pass to dataTableAjax()) must have exactly the same number of columns as the previous data object in the table.

References

```
https://rstudio.github.io/DT/shiny.html
```

DT-imports

Objects imported from other packages

Description

These objects are imported from other packages. Follow the links to their documentation.

```
htmlwidgets JS, saveWidget
magrittr %>%
```

editData

Edit a data object using the information from the editor in a DataTable

Description

When editing cells in a DataTable in a Shiny app, we know the row/column indices and values of the cells that were edited. With these information, we can update the data object behind the DataTable accordingly.

Usage

```
editData(data, info, proxy = NULL, rownames = TRUE, resetPaging = FALSE, ...)
```

Arguments

data The original data object used in the DataTable.

info The information about the edited cells. It should be obtained from input\$tableId_cell_edit

from Shiny, and is a data frame containing columns row, column, and value.

proxy, resetPaging, ...

(Optional) If proxy is provided, it must be either a character string of the output ID of the table or a proxy object created from dataTableProxy(), and the rest of arguments are passed to replaceData() to update the data in a DataTable

instance in a Shiny app.

rownames Whether row names are displayed in the table.

Value

The updated data object.

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Note

For factor columns, new levels would be automatically added when necessary to avoid NA coercing.

formatCurrency

Format table columns

Description

Format numeric columns in a table as currency (formatCurrency()) or percentages (formatPercentage()), or round numbers to a specified number of decimal places (formatRound()), or a specified number of significant figures (formatSignif()). The function formatStyle() applies CSS styles to table cells by column.

Usage

```
formatCurrency(
  table,
  columns,
  currency = "$",
  interval = 3,
 mark = ",",
 digits = 2,
 dec.mark = getOption("OutDec"),
 before = TRUE
)
formatString(table, columns, prefix = "", suffix = "")
formatPercentage(
  table.
  columns,
 digits = 0,
  interval = 3,
 mark = ",",
 dec.mark = getOption("OutDec")
)
formatRound(
  table,
  columns,
 digits = 2,
  interval = 3,
 mark = ",",
 dec.mark = getOption("OutDec")
```

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```
formatSignif(
  table,
 columns,
 digits = 2,
 interval = 3,
 mark = ",",
 dec.mark = getOption("OutDec")
)
formatDate(table, columns, method = "toDateString", params = NULL)
formatStyle(
  table,
  columns,
 valueColumns = columns,
  target = c("cell", "row"),
  fontWeight = NULL,
 color = NULL,
 backgroundColor = NULL,
 background = NULL,
)
```

a table object created from datatable()

the values of a different column

Arguments

table

columns	the indices of the columns to be formatted (can be character, numeric, logical, or a formula of the form ~ V1 + V2, which is equivalent to c('V1', 'V2'))
currency	the currency symbol
interval	put a marker after how many digits of the numbers
mark	the marker after every interval decimals in the numbers
digits	the number of decimal places to round to
dec.mark	a character to indicate the decimal point
before	whether to place the currency symbol before or after the values
prefix	string to put in front of the column values
suffix	string to put after the column values
method	the method(s) to convert a date to string in JavaScript; see DT:::DateMethods for a list of possible methods, and https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Date for a full reference
params	a list parameters for the specific date conversion method, e.g., for the toLocaleDateString() method, your browser may support params = list('ko-KR',list(year = 'numeric',month = 'long',day = 'numeric'))
valueColumns	indices of the columns from which the cell values are obtained; this can be

different with the columns argument, e.g. you may style one column based on

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the target to apply the CSS styles to (the current cell or the full row)

fontWeight the font weight, e.g. 'bold' and 'normal' color the font color, e.g. 'red' and '#ee00aa'

backgroundColor

the background color of table cells

background the background of table cells

other CSS properties, e.g. 'border', 'font-size', 'text-align', and so on; if you want to condition CSS styles on the cell values, you may use the helper functions such as styleInterval(); note the actual CSS property names are dash-separated, but you can use camelCase names in this function (otherwise you will have to use backticks to quote the names, e.g. `font-size` = '12px'), and this function will automatically convert camelCase names to dash-separated

names (e.g. 'fontWeight' will be converted to 'font-weight' internally)

Note

The length of arguments other than table should be 1 or the same as the length of columns.

References

See https://rstudio.github.io/DT/functions.html for detailed documentation and examples.

```
library(DT)
m = cbind(matrix(rnorm(120, 1e5, 1e6), 40), runif(40), rnorm(40, 100))
colnames(m) = head(LETTERS, ncol(m))
# format the columns A and C as currency, and D as percentages
datatable(m) %>% formatCurrency(c('A', 'C')) %>% formatPercentage('D', 2)
# the first two columns are Euro currency, and round column E to 3 decimal places
datatable(m) %>% formatCurrency(1:2, '\U20AC') %>% formatRound('E', 3)
# render vapor pressure with only two significant figures.
datatable(pressure) %>% formatSignif('pressure',2)
# apply CSS styles to columns
datatable(iris) %>%
  formatStyle('Sepal.Length', fontWeight = styleInterval(5, c('bold', 'weight'))) %>%
  formatStyle('Sepal.Width',
    color = styleInterval(3.4, c('red', 'white')),
    backgroundColor = styleInterval(3.4, c('yellow', 'gray'))
  )
```

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replaceData

Replace data in an existing table

Description

Replace the data object of a table output and avoid regenerating the full table, in which case the state of the current table will be preserved (sorting, filtering, and pagination) and applied to the table with new data.

Usage

```
replaceData(proxy, data, ..., resetPaging = TRUE, clearSelection = "all")
```

Arguments

```
proxy a proxy object created by dataTableProxy()

data the new data object to be loaded in the table

... other arguments to be passed to dataTableAjax()

resetPaging, clearSelection

passed to reloadData()
```

Note

When you replace the data in an existing table, please make sure the new data has the same number of columns as the current data. When you have enabled column filters, you should also make sure the attributes of every column remain the same, e.g. factor columns should have the same or fewer levels, and numeric columns should have the same or smaller range, otherwise the filters may never be able to reach certain rows in the data.

styleInterval

Conditional CSS styles

Description

A few helper functions for the formatStyle() function to calculate CSS styles for table cells based on the cell values. Under the hood, they just generate JavaScript and CSS code from the values specified in R.

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Usage

```
styleInterval(cuts, values)
styleEqual(levels, values, default = NULL)
styleValue()
styleColorBar(data, color, angle = 90)
styleRow(rows, values, default = NULL)
```

Arguments

cuts a vector of cut points (sorted increasingly)

values a vector of CSS values

levels a character vector of data values to be mapped (one-to-one) to CSS values

default a string or NULL used as the default CSS value for values other than levels. If

NULL, the CSS value of non-matched cells will be left unchanged.

data a numeric vector whose range will be used for scaling the table data from 0-100

before being represented as color bars. A vector of length 2 is acceptable here for specifying a range possibly wider or narrower than the range of the table data

itself.

color the color of the bars

angle a number of degrees representing the direction to fill the gradient relative to a

horizontal line and the gradient line, going counter-clockwise. For example, 90

fills right to left and -90 fills left to right.

rows the Row Indexes (starting from 1) that applies the CSS style. It could be an

integer vector or a list of integer vectors, whose length must be equal to the

length of values.

Details

The function styleInterval() maps intervals to CSS values. Its argument values must be of length n + 1 where n = length(cuts). The right-closed interval '(cuts[i -1], cuts[i]]' is mapped to 'values[i]' for 'i = 2,3,...,n'; 'values[1]' is for the interval '(-Inf,cuts[1]]', and 'values[n + 1]' is for '(cuts[n],+Inf)'. You can think of the order of cuts and values using this diagram: '-Inf -> values[1] -> cuts[1] -> values[2] -> cuts[2] -> ... -> values[n] -> cuts[n] -> values[n] -> +Inf'.

The function styleEqual() maps data values to CSS values in the one-to-one manner, i.e. values[i] is used when the table cell value is levels[i].

The function styleColorBar() can be used to draw background color bars behind table cells in a column, and the width of bars is proportional to the column values.

The function styleValue() uses the column value as the CSS values.

The function styleRow() applies the CSS values based on Row Indexes.

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tableHeader

Generate a table header or footer from column names

Description

Convenience functions to generate a table header ('<thead></thead>') or footer ('<tfoot></tjoot>') given the column names. They are basically wrappers of htmltools::tags\$th applied to the column names.

Usage

```
tableHeader(names, escape = TRUE)
tableFooter(names, escape = TRUE)
```

Arguments

names a character vector of the column names of the table (if it is an object with column

names, its column names will be used instead)

escape whether to escape the names (see datatable)

Value

A tag object generated by htmltools::tags.

```
library(DT)
tableHeader(iris) # or equivalently,
tableHeader(colnames(iris))
tableFooter(iris) # footer
library(htmltools)
tags$table(tableHeader(iris), tableFooter(iris))
```

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