

Package ‘daterangepicker’

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Type Package

Title Create a Shiny Date-Range Input

Version 0.2.0

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Description A Shiny Input for date-ranges, which pops up two calendars for selecting dates, times, or predefined ranges like ``Last 30 Days". It wraps the JavaScript library 'daterangepicker' which is available at <<https://www.daterangepicker.com>>.

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Depends R (>= 3.2.0)

Imports htmltools, jsonify, utils, shiny

URL <https://github.com/trafficonese/daterangepicker/>,
<https://www.daterangepicker.com>,
<https://trafficonese.github.io/daterangepicker/>

BugReports <https://github.com/trafficonese/daterangepicker/issues>

Encoding UTF-8

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checkMaxSpan	<i>checkMaxSpan Check the maxSpan element, for Time objects</i>
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Description

checkMaxSpan Check the maxSpan element, for Time objects

Usage

checkMaxSpan(maxSpan)

Arguments

maxSpan The list of ranges

checkRanges	<i>checkRanges Check the ranges element, for Date or POSIX objects</i>
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Description

checkRanges Check the ranges element, for Date or POSIX objects

Usage

checkRanges(ranges)

Arguments

ranges The list of ranges

daterangepicker

*daterangepicker***Description**

The Date Range Picker pops up two calendars for selecting dates, times, or predefined ranges like "Yesterday", "Last 30 Days", etc.

Usage

```
daterangepicker(  
  inputId = NULL,  
  label = "Select a Date",  
  start = NULL,  
  end = NULL,  
  min = NULL,  
  max = NULL,  
  ranges = NULL,  
  rangeNames = names(ranges),  
  language = "en",  
  style = "width:100%;border-radius:4px;text-align:center;",  
  class = NULL,  
  icon = NULL,  
  options = daterangepickerOptions()  
)
```

Arguments

<code>inputId</code>	The input ID
<code>label</code>	The label for the control, or <code>NULL</code> for no label.
<code>start</code>	The beginning date of the initially selected. Must be a <code>Date</code> / <code>POSIXt</code> or string. If <code>NULL</code> will default to the current day.
<code>end</code>	The end date of the initially selected date range. Must be a <code>Date</code> / <code>POSIXt</code> or string. If <code>NULL</code> will default to the current day.
<code>min</code>	The earliest date a user may select. Must be a <code>Date</code> or string
<code>max</code>	The latest date a user may select. Must be a <code>Date</code> or string
<code>ranges</code>	Set predefined date ranges the user can select from. Each key is the label for the range, and its value an array with two dates representing the bounds of the range. Alternatively, the labels can be specified via <code>'rangeNames'</code> . If that argument is used, <code>'ranges'</code> should not be named and <code>'rangeNames'</code> will take precedence.
<code>rangeNames</code>	Optional character vector specifying the labels for predefined date ranges. If specified, it will override the names of <code>'ranges'</code> .
<code>language</code>	The language used for month and day names. Default is "en". See the Multiple Locale Support for a list of other valid values.

style	Add CSS-styles to the input.
class	Custom class
icon	Icon to display next to the label.
options	List of further options. See daterangepickerOptions

See Also

www.daterangepicker.com

Other daterangepicker Functions: [daterangepickerOptions\(\)](#), [updateDaterangepicker\(\)](#)

Examples

```
if (interactive()) {
  library(shiny)
  library(daterangepicker)
  ## UI #####
  ui <- fluidPage(
    tags$head(tags$style(".myclass {background-color: #96dafb;}")),
    daterangepicker(
      inputId = "daterange",
      label = "Pick a Date",
      start = Sys.Date() - 30, end = Sys.Date(),
      max = Sys.Date(),
      language = "en",
      ranges = list(
        "Today" = Sys.Date(),
        "Yesterday" = Sys.Date() - 1,
        "Last 3 days" = c(Sys.Date() - 2, Sys.Date()),
        "Last 7 days" = c(Sys.Date() - 6, Sys.Date())
      ),
      style = "width:100%; border-radius:4px",
      class = "myclass",
      icon = icon("calendar")
    ),
    verbatimTextOutput("print"),
    actionButton("act", "Update Daterangepicker"),
  )
  ## SERVER #####
  server <- function(input, output, session) {
    output$print <- renderPrint({
      req(input$daterange)
      input$daterange
    })
    observeEvent(input$act, {
      updateDaterangepicker(
        session, "daterange",
        start = Sys.Date(),
        end = Sys.Date() - 100,
        ranges = list(
          Sys.Date(), Sys.Date() - 1,
          c(Sys.Date() - 3, Sys.Date()),

```

```

        c(Sys.Date() - 6, Sys.Date()),
        Sys.Date() + 2
    ),
    rangeNames = c(
        "Today", "Yesterday", "Last 3 days",
        "Last 7 days", "The day after tomorrow \u263a"
    ),
    max = Sys.Date() + 2
)
})
}
shinyApp(ui, server)
}

```

daterangepickerOptions

daterangepickerOptions

Description

Update the daterangepicker

Usage

```

daterangepickerOptions(
  minYear = NULL,
  maxYear = NULL,
  showDropdowns = TRUE,
  showCustomRangeLabel = TRUE,
  opens = c("right", "left", "center"),
  drops = c("down", "up"),
  timePicker = FALSE,
  timePickerIncrement = 1,
  timePicker24Hour = FALSE,
  timePickerSeconds = FALSE,
  showWeekNumbers = FALSE,
  showISOWeekNumbers = FALSE,
  parentEl = NULL,
  maxSpan = NULL,
  alwaysShowCalendars = FALSE,
  buttonClasses = NULL,
  applyButtonClasses = NULL,
  cancelButtonClasses = NULL,
  cancelIsClear = FALSE,
  locale = NULL,
  singleDatePicker = FALSE,
  autoApply = FALSE,
  linkedCalendars = TRUE,

```

```

    autoUpdateInput = TRUE,
    ...
)

```

Arguments

<code>minYear</code>	The minimum year as numeric shown in the dropdowns when <code>showDropdowns</code> is set to <code>TRUE</code>
<code>maxYear</code>	The maximum year as numeric shown in the dropdowns when <code>showDropdowns</code> is set to <code>TRUE</code>
<code>showDropdowns</code>	Show year and month select boxes above calendars to jump to a specific month and year.
<code>showCustomRangeLabel</code>	Displays "Custom Range" at the end of the list of predefined ranges, when the ranges option is used. This option will be highlighted whenever the current date range selection does not match one of the predefined ranges. Clicking it will display the calendars to select a new range.
<code>opens</code>	Whether the picker appears aligned to the left, to the right, or to the center under the HTML element it's attached to.
<code>drops</code>	Whether the picker appears below (down) or above (up) the HTML element it's attached to. Default is down
<code>timePicker</code>	Adds select boxes to choose times in addition to dates.
<code>timePickerIncrement</code>	Increment of the minutes selection list for times (i.e. 30 to allow only selection of times ending in 0 or 30).
<code>timePicker24Hour</code>	Use 24-hour instead of 12-hour times, removing the AM/PM selection.
<code>timePickerSeconds</code>	Show seconds in the timePicker.
<code>showWeekNumbers</code>	Show localized week numbers at the start of each week on the calendars.
<code>showISOWeekNumbers</code>	Show ISO week numbers at the start of each week on the calendars.
<code>parentEl</code>	jQuery selector of the parent element that the date range picker will be added to, if not provided this will be 'body'
<code>maxSpan</code>	The maximum span between the selected start and end dates as List or table. You can provide any object the moment library would let you add to a date.
<code>alwaysShowCalendars</code>	Normally, if you use the ranges option to specify pre-defined date ranges, calendars for choosing a custom date range are not shown until the user clicks "Custom Range". When this option is set to <code>TRUE</code> , the calendars for choosing a custom date range are always shown instead.
<code>buttonClasses</code>	CSS class names that will be added to both the apply and cancel buttons.
<code>applyButtonClasses</code>	CSS class names that will be added only to the apply button.

cancelButtonClasses	CSS class names that will be added only to the cancel button.
cancelIsClear	If TRUE, will treat the Cancel Button like a Clear Button.
locale	Allows you to provide localized strings for buttons and labels, customize the date format, and change the first day of week for the calendars. See the examples in <code>./inst/examples/</code>
singleDatePicker	Show only a single calendar to choose one date, instead of a range picker with two calendars. The start and end dates provided to your callback will be the same single date chosen.
autoApply	Hide the apply and cancel buttons, and automatically apply a new date range as soon as two dates are clicked.
linkedCalendars	When enabled, the two calendars displayed will always be for two sequential months (i.e. January and February), and both will be advanced when clicking the left or right arrows above the calendars. When disabled, the two calendars can be individually advanced and display any month/year.
autoUpdateInput	Indicates whether the date range picker should automatically update the value of the <code><input></code> element it's attached to at initialization and when the selected dates change.
...	Further arguments passed to <code>'daterangepicker'</code> , like <code>isInvalidDate</code> or <code>isCustomDate</code> .

See Also

www.daterangepicker.com

Other daterangepicker Functions: [daterangepicker\(\)](#), [updateDaterangepicker\(\)](#)

filterEMPTY

filterEMPTY Filter empty elements of a list

Description

filterEMPTY Filter empty elements of a list

Usage

```
filterEMPTY(x)
```

Arguments

x The list of values

makeInput	<i>makeInput Make the input div-tag</i>
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Description

makeInput Make the input div-tag

Usage

```
makeInput(label, inputId, class, icon, style, options)
```

Arguments

label	The label of the daterangepicker
inputId	The inputId of the daterangepicker
class	The class of the daterangepicker
icon	The icon of the daterangepicker
style	The style of the daterangepicker
options	The options of the daterangepicker

makeLabel	<i>makeLabel Make the label</i>
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Description

makeLabel Make the label

Usage

```
makeLabel(label, inputId)
```

Arguments

label	The label of the daterangepicker
inputId	The inputId of the daterangepicker

updateDaterangepicker *updateDaterangepicker*

Description

Change the start and end values of a daterangepicker on the client

Usage

```
updateDaterangepicker(
  session,
  inputId,
  label = NULL,
  start = NULL,
  end = NULL,
  min = NULL,
  max = NULL,
  icon = NULL,
  options = NULL,
  ranges = NULL,
  rangeNames = NULL,
  style = NULL,
  class = NULL
)
```

Arguments

session	The session object passed to function given to shinyServer.
inputId	The input ID
label	The label for the control, or NULL for no label.
start	The beginning date of the initially selected. Must be a Date / POSIXt or string. If NULL will default to the current day.
end	The end date of the initially selected date range. Must be a Date / POSIXt or string. If NULL will default to the current day.
min	The earliest date a user may select. Must be a Date or string
max	The latest date a user may select. Must be a Date or string
icon	Icon to display next to the label.
options	List of further options. See daterangepickerOptions
ranges	Set predefined date ranges the user can select from. Each key is the label for the range, and its value an array with two dates representing the bounds of the range. Alternatively, the labels can be specified via 'rangeNames'. If that argument is used, 'ranges' should not be named and 'rangeNames' will take precedence.
rangeNames	Optional character vector specifying the labels for predefined date ranges. If specified, it will override the names of 'ranges'.
style	Add CSS-styles to the input.
class	Custom class

See Also

Other daterangepicker Functions: [daterangepickerOptions\(\)](#), [daterangepicker\(\)](#)

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