Package ‘daterangepicker’

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Type Package
Title Create a Shiny Date-Range Input
Version 0.1.0
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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, shiny

URL https://github.com/trafficonese/daterangepicker/,
https://www.daterangepicker.com

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

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R topics documented:

checkMaxSpan ......................................................... 2
checkRanges .......................................................... 2
daterangepicker ......................................................... 3
daterangepickerOptions .................................................. 4
filterEMPTY ............................................................ 7
makeInput ............................................................ 7
makeLabel ............................................................ 8
updateDaterangepicker ................................................. 8
Index

checkMaxSpan

Description

checkMaxSpan Check the maxSpan element, for Time objects

Usage

checkMaxSpan(maxSpan)

Arguments

maxSpan The list of ranges

checkRanges

Description

checkRanges Check the ranges element, for Date objects

Usage

checkRanges(ranges)

Arguments

ranges The list of ranges
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,
  language = "en",
  style = "width:100%;border-radius:4px;text-align:center;",
  class = NULL,
  icon = NULL,
  options = daterangepickerOptions()
)

Arguments

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
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.
language 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

```r
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)
  })
} 
shinyApp(ui, server)
```
**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**

- **minYear**: The minimum year as numeric shown in the dropdowns when showDropdowns is set to TRUE
- **maxYear**: The maximum year as numeric shown in the dropdowns when showDropdowns is set to TRUE
- **showDropdowns**: Show year and month select boxes above calendars to jump to a specific month and year.
- **showCustomRangeLabel**: 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.
- **opens**: Whether the picker appears aligned to the left, to the right, or to the center under the HTML element it's attached to.
daterangepickerOptions

drops Whether the picker appears below (down) or above (up) the HTML element it’s attached to. Default is down.
timePicker Adds select boxes to choose times in addition to dates.
timePickerIncrement Increment of the minutes selection list for times (i.e. 30 to allow only selection of times ending in 0 or 30).
timePicker24Hour Use 24-hour instead of 12-hour times, removing the AM/PM selection.
timePickerSeconds Show seconds in the timePicker.
showWeekNumbers Show localized week numbers at the start of each week on the calendars.
showISOWeekNumbers Show ISO week numbers at the start of each week on the calendars.
parentEl jQuery selector of the parent element that the date range picker will be added to, if not provided this will be 'body'.
maxSpan 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.
alwaysShowCalendars 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 TRUE, the calendars for choosing a custom date range are always shown instead.
buttonClasses CSS class names that will be added to both the apply and cancel buttons.
applyButtonClasses 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.
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 <input> element it’s attached to at initialization and when the selected dates change.
See Also

www.daterangepicker.com
Other daterangepicker Functions: `daterangepicker()`, `updateDaterangepicker()`

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**filterEMPTY**

Filter empty elements of a list

**Description**

filterEMPTY Filter empty elements of a list

**Usage**

`filterEMPTY(x)`

**Arguments**

- `x` The list of values

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**makeInput**

Make the input div-tag

**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

makeLabel Make the label

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
)

Arguments
session The session object passed to function given to shinyServer.
inputId The id of the input object.
label The label to set for the input object.
start The start date. Either a Date object, or a string in yyyy-mm-dd format.
end The end date. Either a Date object, or a string in yyyy-mm-dd format.
**updateDaterangepicker**

- **min**  The earliest date a user may select.
- **max**  The latest date a user may select.
- **icon**  Icon to display next to the label.
- **options**  List of further options. See `daterangepickerOptions`

**See Also**

Other daterangepicker Functions: `daterangepickerOptions()`, `daterangepicker()`
Index

checkMaxSpan, 2
checkRanges, 2
daterangepicker, 3, 7, 9
daterangepickerOptions, 3, 4, 4, 9
filterEMPTY, 7
makeInput, 7
makeLabel, 8
updateDaterangepicker, 4, 7, 8