

Package ‘jsTree’

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Title Create Interactive Trees with the 'jQuery' 'jsTree' Plugin

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Description

Create and customize interactive trees using the 'jQuery' 'jsTree' <<https://www.jstree.com/>> plugin library and the 'htmlwidgets' package. These trees can be used directly from the R console, from 'RStudio', in Shiny apps and R Markdown documents.

Depends R (>= 2.10)

Imports htmlwidgets,jsonlite,data.table

License GPL-2 | GPL-3

Encoding UTF-8

LazyData true

URL <https://github.com/metrumresearchgroup/jsTree>

BugReports <https://github.com/metrumresearchgroup/jsTree/issues>

RoxygenNote 6.0.1

NeedsCompilation no

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jsTree

*Htmlwidget for the jsTree Javascript library***Description**

Htmlwidget for the jsTree Javascript library

Usage

```
jsTree(obj, tooltips = NULL, nodestate = NULL, ..., width = NULL,
        height = NULL, elementId = NULL)
```

Arguments

obj	character, vector of directory tree
tooltips	character, named vector of tooltips for elements in the tree, Default: NULL
nodestate	boolean, vector the length of obj that initializes tree open to true values, Default: NULL
...	parameters that are passed to the vcs package (see details)
width, height	Must be a valid CSS unit (like '100%', '400px', 'auto') or a number, which will be coerced to a string and have 'px' appended.
elementId	The input slot that will be used to access the element.

Details

parameters in ... that can be passed on to the vcs package are: remote_repo a character object that defines the remote user/repository, remote_branch character object that defines the branch of remote_repo (usually 'master'), vcs character object that defines for vcs which version control system to attach (github, bitbucket, svn) preview.search character object that defines a search term to initialize to in the preview pane searchbox

if remote_repo is given a preview pane of a selected file from the tree will appear to the right of the tree. preview.search is only relevant for vcs in (github,bitbucket) where file previewing is available

For more information on the vcs package go to <https://github.com/metrumresearchgroup/vcs>

Examples

```
if(interactive()){
  data(states)
  data(state_bird)

  #collapse columns to text (with sep "/")
  nested_string <- apply(states,1,paste,collapse='/')
  jsTree(nested_string)

  # Add tooltips to state names with the state bird
```

```

jsTree(nested_string, tooltips = state_bird)

#initialize tree with checked boxes for certain fields
nodestate1 <- states$variable=='Area'
jsTree(nested_string, nodestate=nodestate1)

nodestate2 <- states$variable=='Area' & grepl('^M', states$state.name)
jsTree(nested_string, nodestate=nodestate2)

nodestate3 <- states$variable %in% c('Murder') & states$value >= 10
nodestate4 <- states$variable %in% c('HS.Grad') & states$value <= 55
jsTree(nested_string, nodestate=nodestate3|nodestate4)

#change the order of the hierarchy
nested_string2 <- apply(states[,c(4,1,2,3,5)], 1, paste, collapse='/')

jsTree(nested_string2)

#use jsTree to visualize folder structure

jsTree(list.files(full.names = TRUE, recursive = FALSE))

## Not run:
# This may be too long for example if running from ~.
jsTree(list.files(full.names = TRUE, recursive = TRUE))

## End(Not run)
}

```

jsTree-shiny

Shiny bindings for jsTree

Description

Output and render functions for using jsTree within Shiny applications and interactive Rmd documents.

Usage

```

jsTreeOutput(outputId, width = "100%", height = "400px")

renderJsTree(expr, env = parent.frame(), quoted = FALSE)

```

Arguments

outputId	output variable to read from
width, height	Must be a valid CSS unit (like '100%', '400px', 'auto') or a number, which will be coerced to a string and have 'px' appended.

expr	An expression that generates a jsTree
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.

states	<i>State data</i>
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Description

state dataset melted into a data.frame

Usage

```
states
```

Format

A data frame with 400 rows and 5 variables:

```
state.region factor State Region
state.division factor State Sub Region
state.name character State Name
variable factor Characteristic
value double Characteristic Value
```

state_bird	<i>Character vector of state birds</i>
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Description

Character vector of state birds

Usage

```
state_bird
```

Format

A character vector of length 50

Source

<https://state.1keydata.com/state-birds.php>

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