

SERENITY

在剧院九月三十日
IN THEATERS SEPTEMBER 30TH



KAYLEE

SHIP'S MECHANIC. SEES THE GOOD IN EVERYONE.

Shiny

Run R dashboards

No js, css, or html required

Local, on the web

Basic setup

/server.R

/ui.R

www/

sidebarPanel()

mainPanel()

ui.R

```
shinyUI(  
  titlePanel("Title of page"),  
  sidebarLayout(  
    sidebarPanel(),  
    mainPanel()  
  )  
)
```

ui.R

```
shinyUI(fluidPage(  
  titlePanel("Title of page"),  
  sidebarLayout(  
    sidebarPanel(),  
    mainPanel()  
  )  
))
```

Server.R

```
# load libraries
```

```
shinyServer(function(input, output) {
```

```
# create datasets
```

```
# create variables
```

```
output$something <- renderSomething({  
  })
```

```
})
```


***Output functions**

dataTableOutput

htmlOutput

imageOutput

plotOutput

tableOutput

textOutput

uiOutput

verbatimTextOutput

sidebarPanel()

checkbox	checkboxInput	inputId, label, value
checkbox group	checkboxGroupInput	inputId, label, choices, selected
date selector	dateInput	inputId, label, value, min, max, format
date range selector	dateRangeInput	inputId, label, start, end, min, max, format
file uploader	fileInput	inputId, label, multiple
Number field	numericInput	inputId, label, value, min, max, step
Radio buttons	radioButtons	inputId, label, choices, selected
select box	selectInput	inputId, label, choices, selected, multiple
slider	sliderInput	inputId, label, min, max, value, step
submit button	submitButton	text
text field	textInput	inputId, label, value

mainPanel()

plotOutput()

tableOutput()

dataTableOutput()

verbatimTextOutput()



HTML elements - Add html elements with shiny functions that parallel common HTML tags.

a	tags\$col	tags\$form	tags\$input	tags\$output	tags\$sub
tags\$abbr	tags\$colgroup	h1	tags\$ins	p	tags\$summary
tags\$address	tags\$command	h2	tags\$kbd	tags\$param	tags\$sup
tags\$area	tags\$data	h3	tags\$keygen	pre	tags\$table
tags\$article	tags\$datalist	h4	tags\$label	tags\$progress	tags\$tbody
tags\$aside	tags\$dd	h5	tags\$legend	tags\$q	tags\$td
tags\$audio	tags\$del	h6	tags\$li	tags\$ruby	tags\$textarea
tags\$b	tags\$details	tags\$head	tags\$link	tags\$rp	tags\$tfoot
tags\$base	tags\$dfn	tags\$header	tags\$mark	tags\$rt	tags\$th
tags\$bdi	div	tags\$hgroup	tags\$map	tags\$s	tags\$thead
tags\$bdo	tags\$dl	hr	tags\$menu	tags\$samp	tags\$time
tags\$blockquote	tags\$dt	HTML	tags\$meta	tags\$script	tags\$title
tags\$body	em	tags\$i	tags\$meter	tags\$section	tags\$tr
br	tags\$embed	tags\$iframe	tags\$nav	tags\$select	tags\$track
tags\$button	tags\$eventsource	img	tags\$noscript	tags\$small	tags\$u
tags\$canvas	tags\$fieldset	includeCSS	tags\$object	tags\$source	tags\$ul
tags\$caption	tags\$figcaption	includeMarkdo	tags\$ol	span	tags\$var
tags\$cite	tags\$figure	wn	tags\$optgroup	strong	tags\$video
code	tags\$footer	includeScript	tags\$option	tags\$style	tags\$wbr

render* functions

function	expects	creates
<code>renderDataTable</code>	any table-like object	DataTables.js table
<code>renderImage</code>	list of image attributes	HTML image
<code>renderPlot</code>	plot	plot
<code>renderPrint</code>	any printed output	text
<code>renderTable</code>	any table-like object	plain table
<code>renderText</code>	character string	text
<code>renderUI</code>	Shiny tag object or	UI element (HTML)

runApp - run from local files

runGitHub - run from files hosted on [www.GitHub.com](https://www.github.com)

runGist - run from files saved as a gist (gist.github.com)

runURL - run from files saved at any URL

How to run an app

Locally: `runApp()`, `runApp('folder')`

From a gist: `runGist(3239667)`

From GitHub:

From

`karthikr.shinyapps.io/taxa/`