

Package: shinyRGL (via r-universe)

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Type Package

Title Shiny Wrappers for RGL

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Description Shiny wrappers for the RGL package. This package exposes RGL's ability to export WebGL visualization in a shiny-friendly format.

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Depends R (>= 2.15.0)

Imports rgl (>= 0.93.949), shiny (>= 0.6.0)

Suggests testthat

BugReports <https://github.com/trestletech/shinyRGL/issues>

Collate 'init.R' 'render-webgl.R' 'webgl-output.R' 'examples.R'

Repository <https://trestletech.r-universe.dev>

RemoteUrl <https://github.com/trestletech/shinyrgl>

RemoteRef HEAD

RemoteSha 935b1431364587434d822d4b6b9e135030e6e0b5

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renderWebGL

Render a WebGL Element

Description

Render a WebGL Shiny output.

Usage

```
renderWebGL(expr, width = "auto", height = "auto",  
  env = parent.frame(), quoted = FALSE)
```

Arguments

expr	The expression to be evaluated which should produce a rgl scene.
width	Either "auto", in which case the width will be calculated (reactively) based on the size of the glOutput element associated with this function, or a numeric value representing the width of the desired WebGL scene in pixels.
height	The height of the WebGL scene. See width for details.
env	The environment in which expr should be evaluated.
quoted	Is expr a quoted expression (with quote())? This is useful if you want to save an expression in a variable.

Author(s)

Jeff Allen <jeff@trestletech.com>

Examples

```
## Not run:  
  renderWebGL({  
    points3d(1:10,1:10,1:10)  
  })  
  
## End(Not run)
```

runBivarExample*Run the bivar example*

Description

Run the bivar example form the shinyRGL package.

Usage

```
runBivarExample(port = 8100L,  
  launch.browser = getOption("shiny.launch.browser", interactive()),  
  workerId = "")
```

Arguments

`port` The TCP port that the application should listen on. Defaults to port 8100.

`launch.browser` If true, the system's default web browser will be launched automatically after the app is started. Defaults to true in interactive sessions only.

`workerId`: Can generally be ignored. Exists to help some editions of Shiny Serv

Author(s)

Michael J. Kane <kanepusplus@gmail.com>

Examples

```
## Not run:  
runBivarExample()  
  
## End(Not run)
```

runScatterplotExample *Run the scatterplot example*

Description

Run the scatterplot example form the shinyRGL package.

Usage

```
runScatterplotExample(port = 8100L,  
  launch.browser = getOption("shiny.launch.browser", interactive()),  
  workerId = "")
```

Arguments

`port` The TCP port that the application should listen on. Defaults to port 8100.

`launch.browser` If true, the system's default web browser will be launched automatically after the app is started. Defaults to true in interactive sessions only.

`workerId`: Can generally be ignored. Exists to help some editions of Shiny Serv

Author(s)

Michael J. Kane <kanepusplus@gmail.com>

Examples

```
## Not run:  
  runScatterplotExample()  
  
## End(Not run)
```

webGLOutput

Renger a WebGL Element

Description

Render a WebGL [renderWebGL](#) in an application page.

Usage

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

Arguments

outputId	The ID of the glOutput associated with this element
width	The width of the WebGL scene. Must be a valid CSS unit (like "100%", "400px", or "auto") or a number, which will be treated as a number of pixels.
height	Plot height. See width for details.

Author(s)

Jeff Allen <jeff@trestletech.com>

Examples

```
## Not run:  
  webGLOutput("sctPlot")  
  
## End(Not run)
```

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