ShinyWYSIWYG: a Shiny What You See Is What You Get editor

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Motivation

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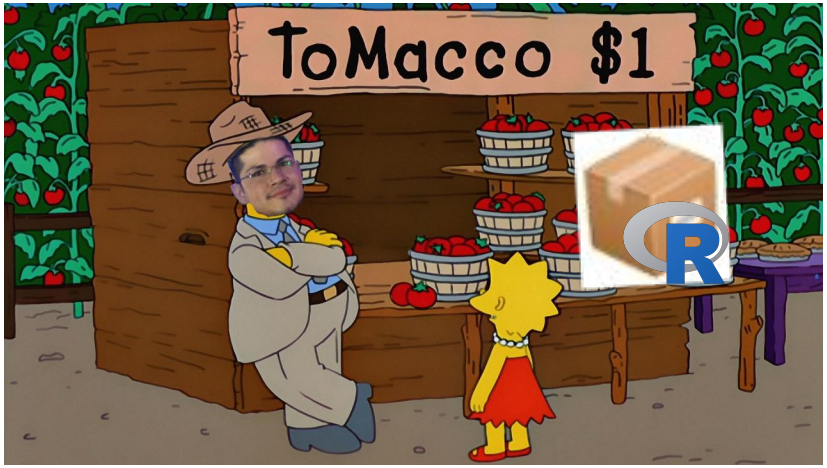

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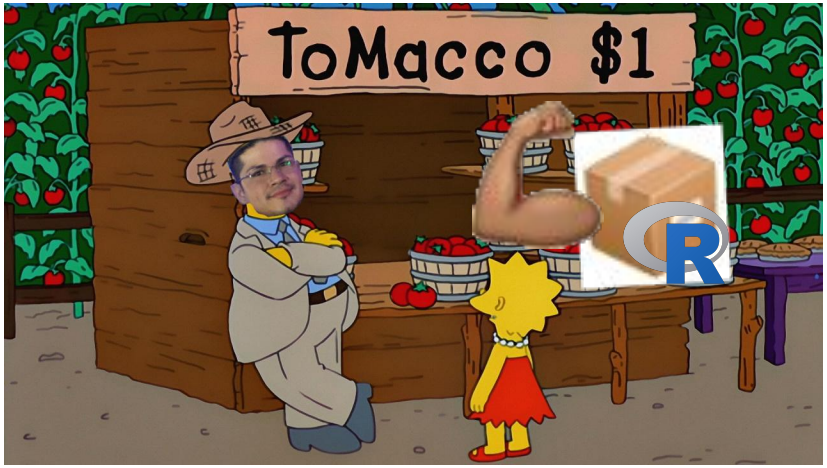

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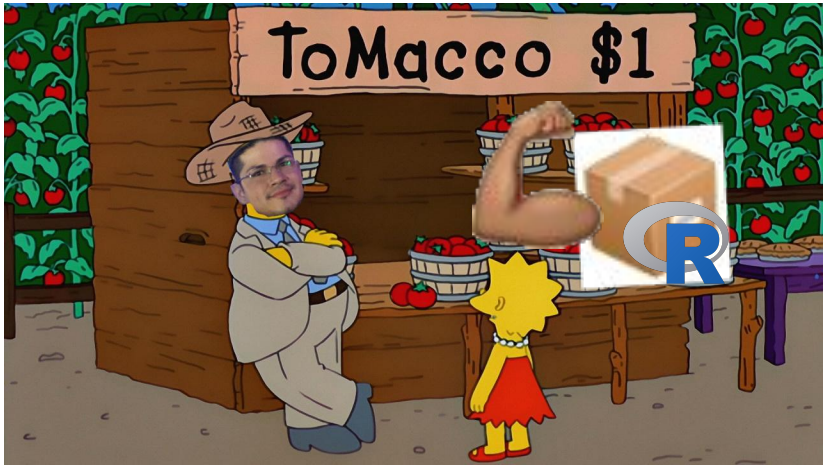

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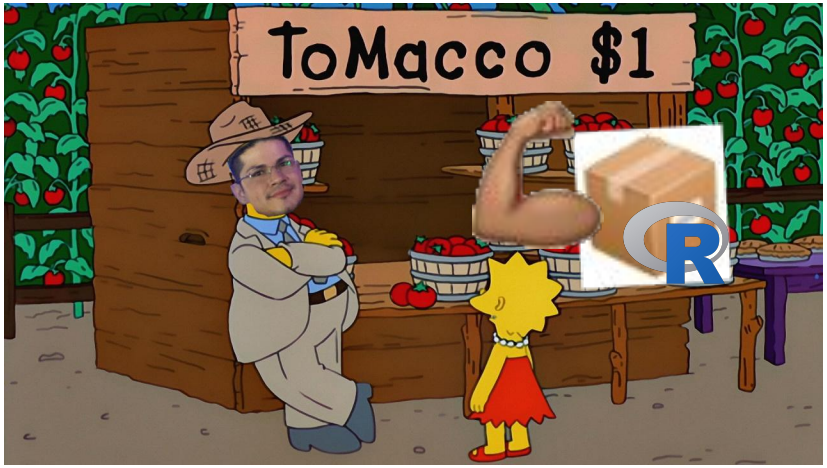

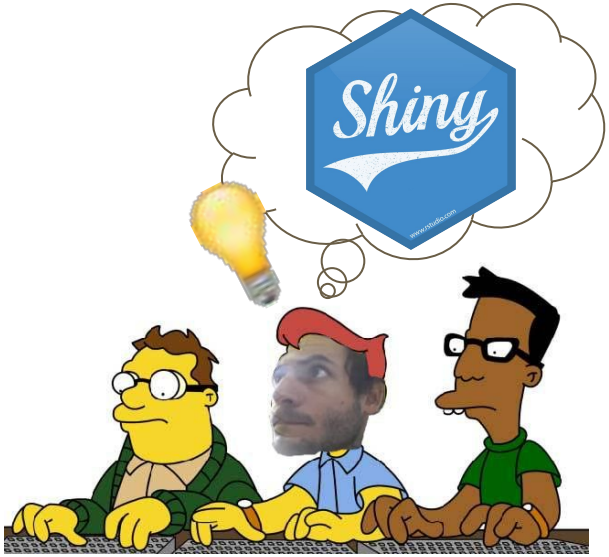

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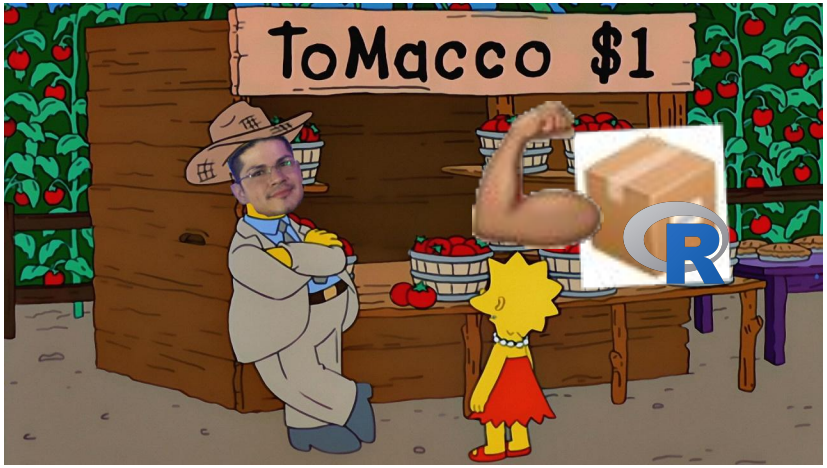

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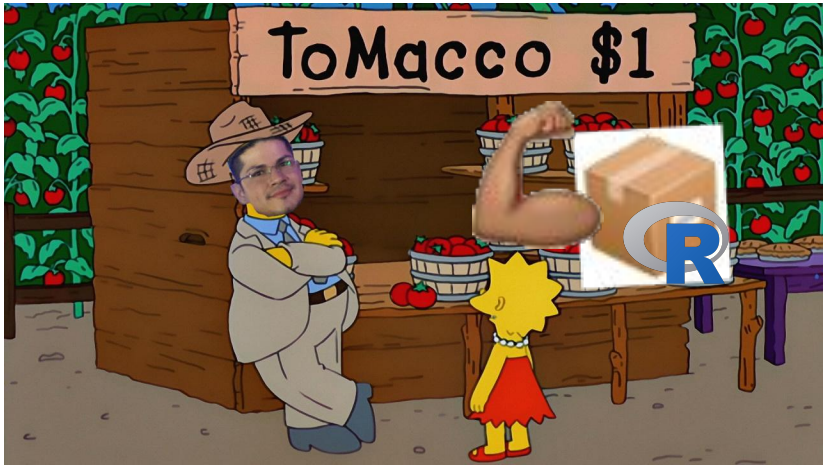

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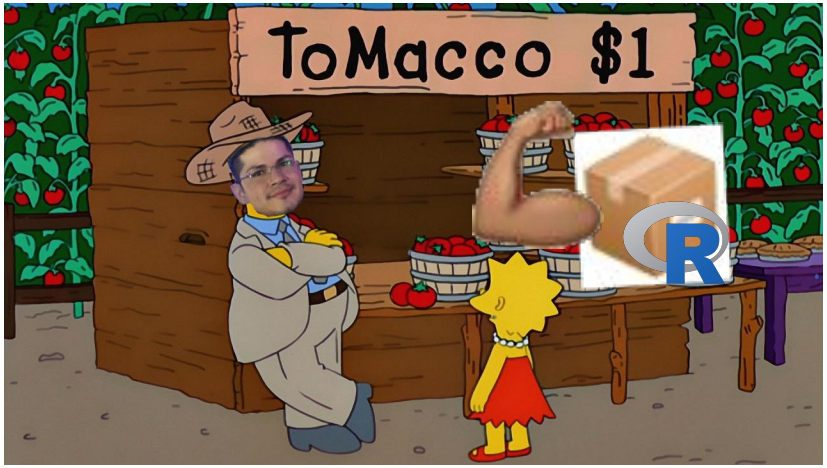

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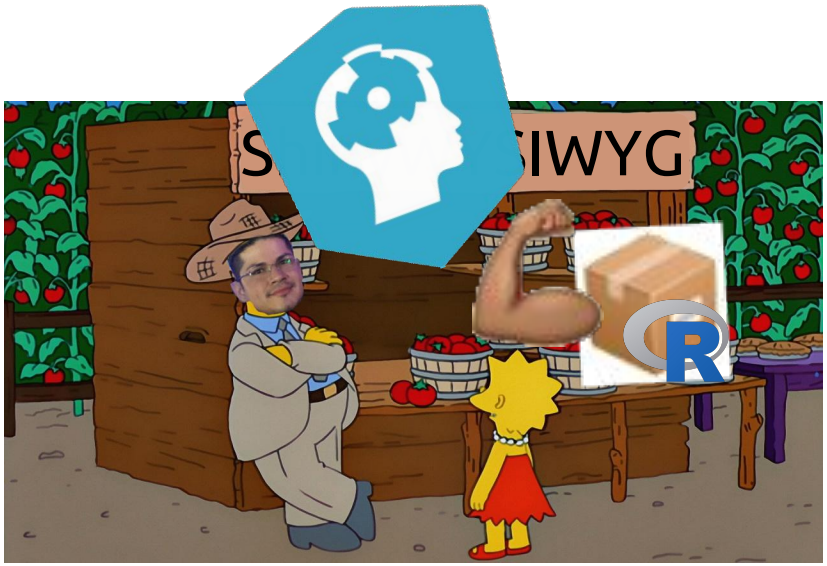

About

- Create a Shiny UI by *Drag & Drop*

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- Minimalistic: Imports *ggplot2, shiny, shinyjs*

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- Minimalistic: Imports *ggplot2, shiny, shinyjs*
- R and Shiny version independent

```
getNamespaceExports('shiny')
```

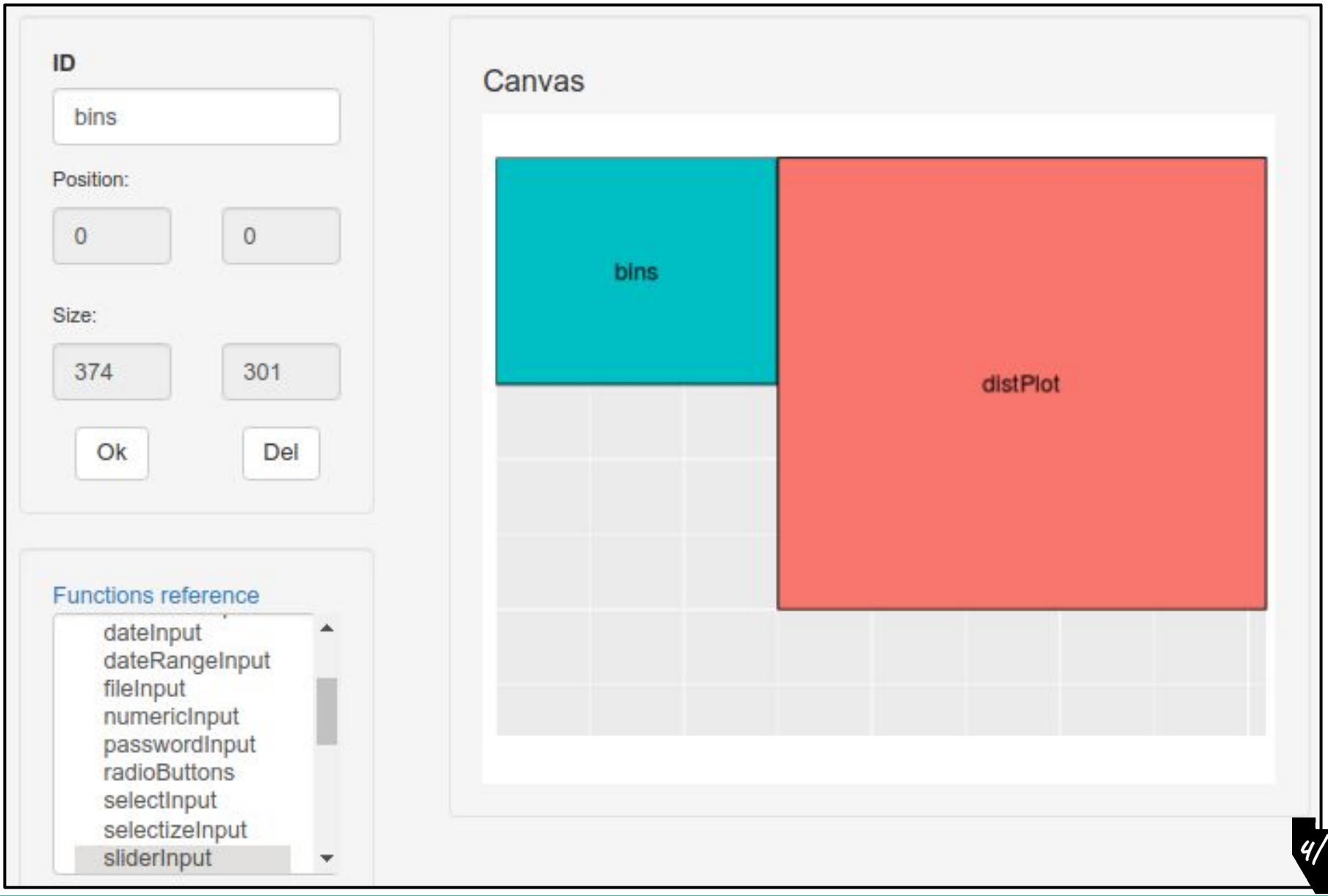
Shiny functions

Inputs Outputs Renderers

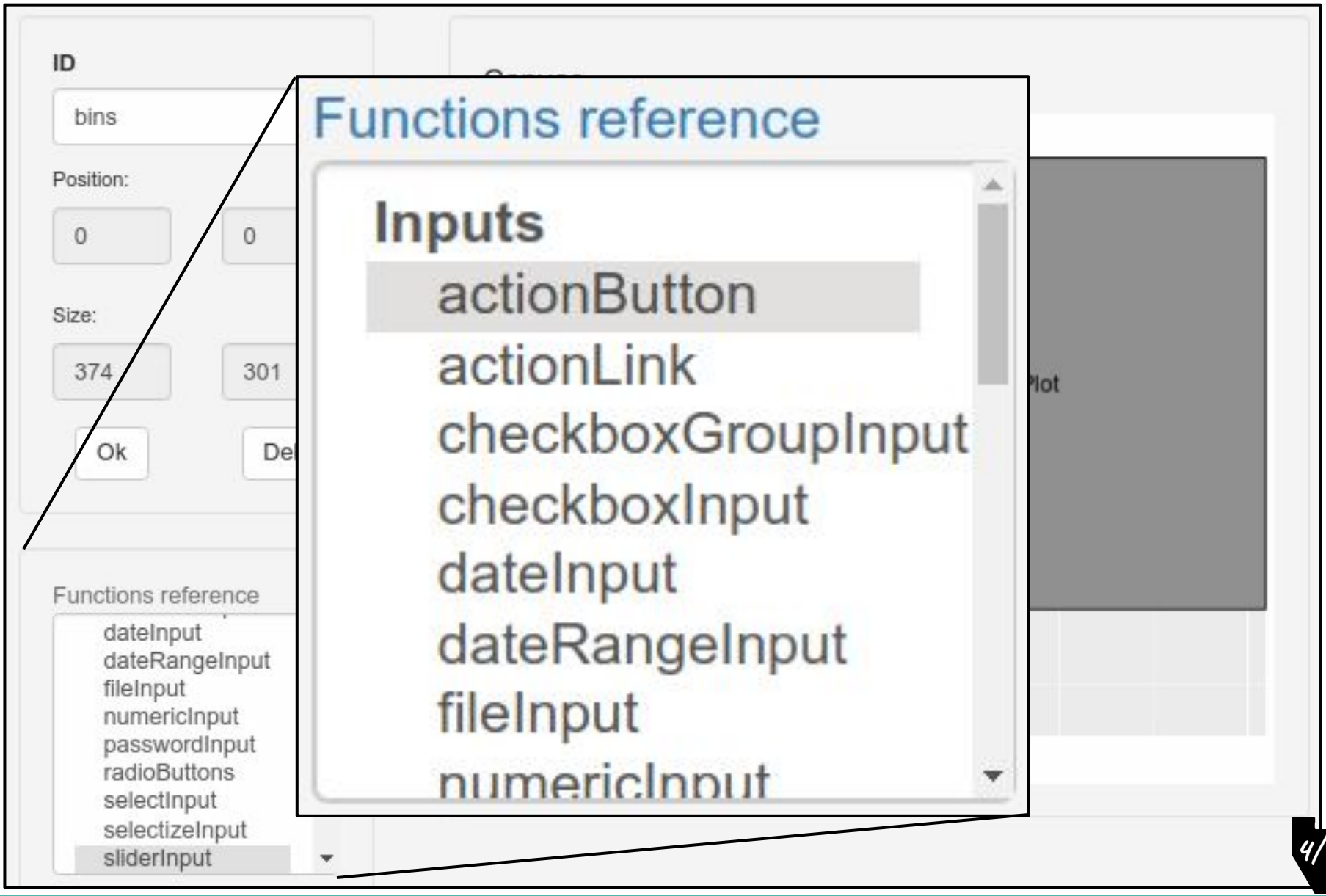
Installation

```
> library('devtools');
> install_github('jcrodriguez1989/shinyWYSIWYG');
>
> library('shinyWYSIWYG');
> shinyWYSIWYG();
```

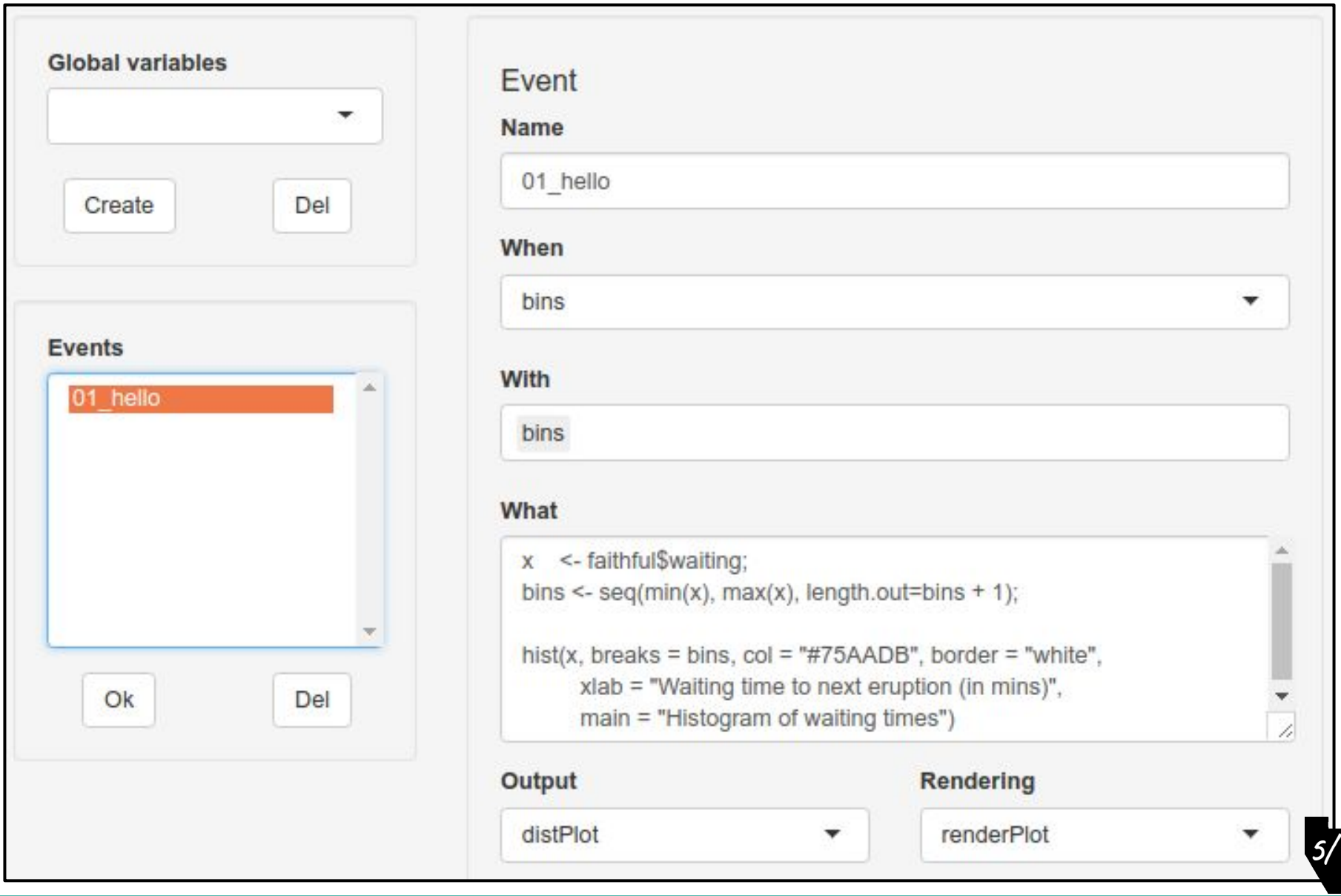
ShinyWYSIWYG - UI



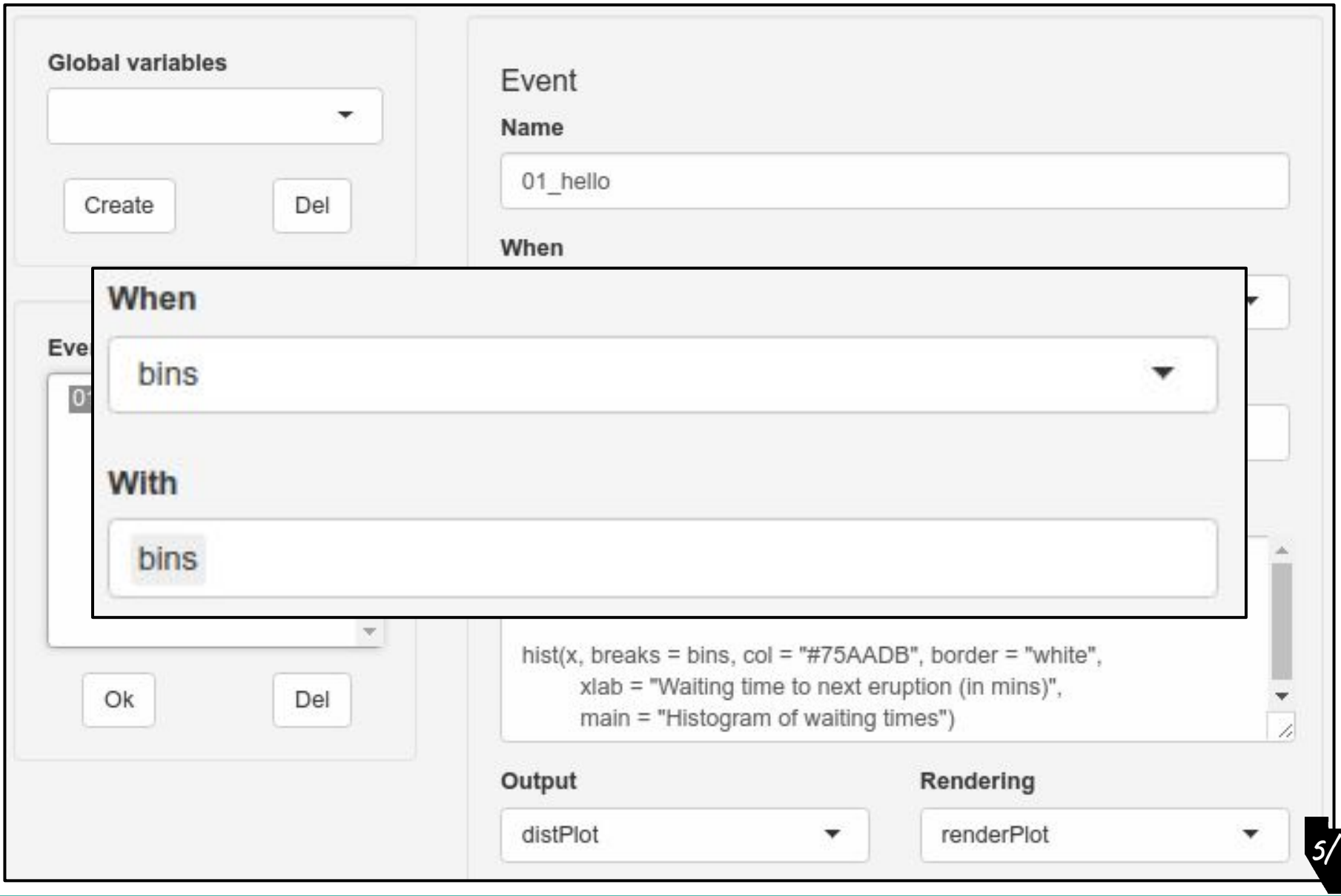
ShinyWYSIWYG - UI



ShinyWYSIWYG - Server



ShinyWYSIWYG - Server



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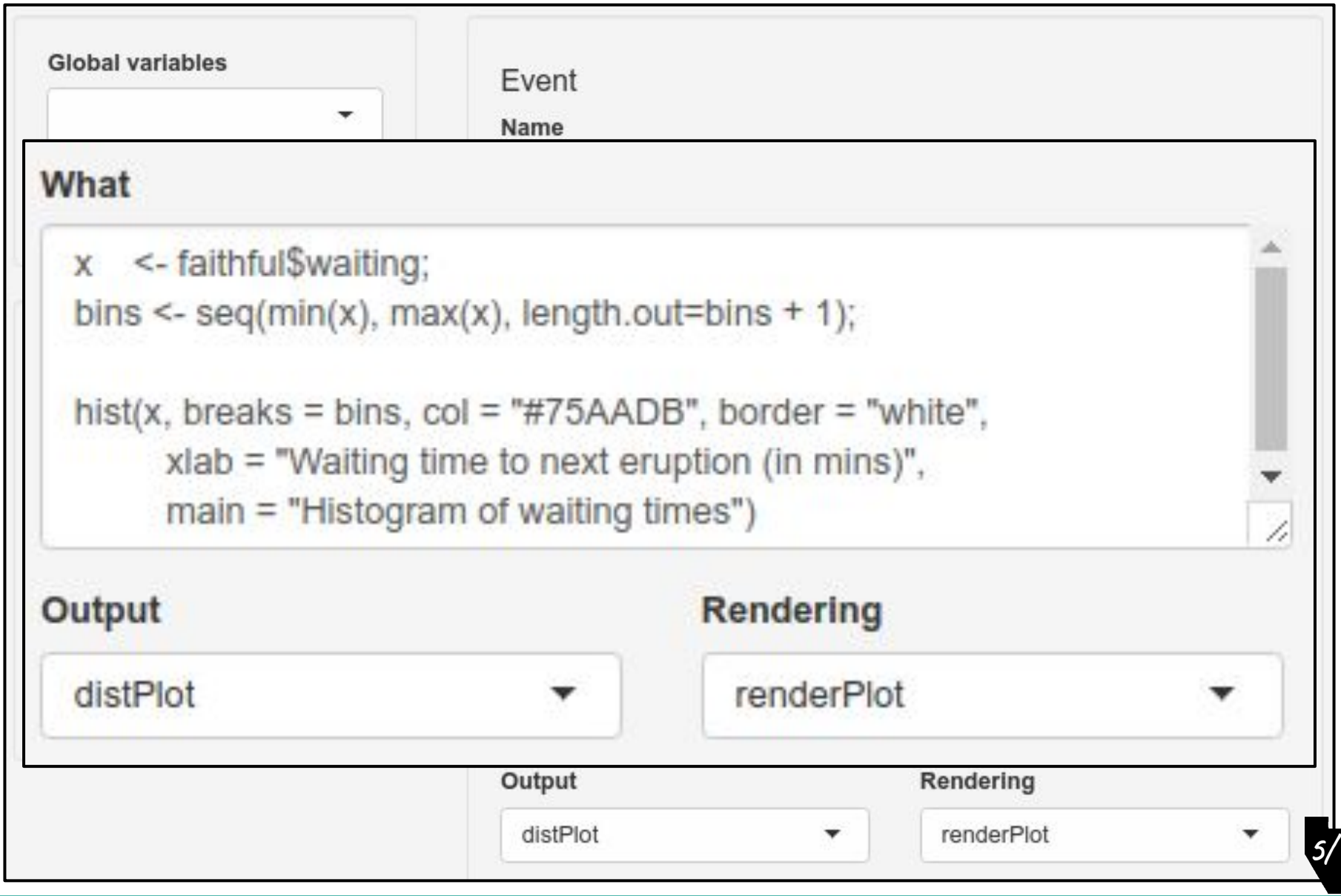
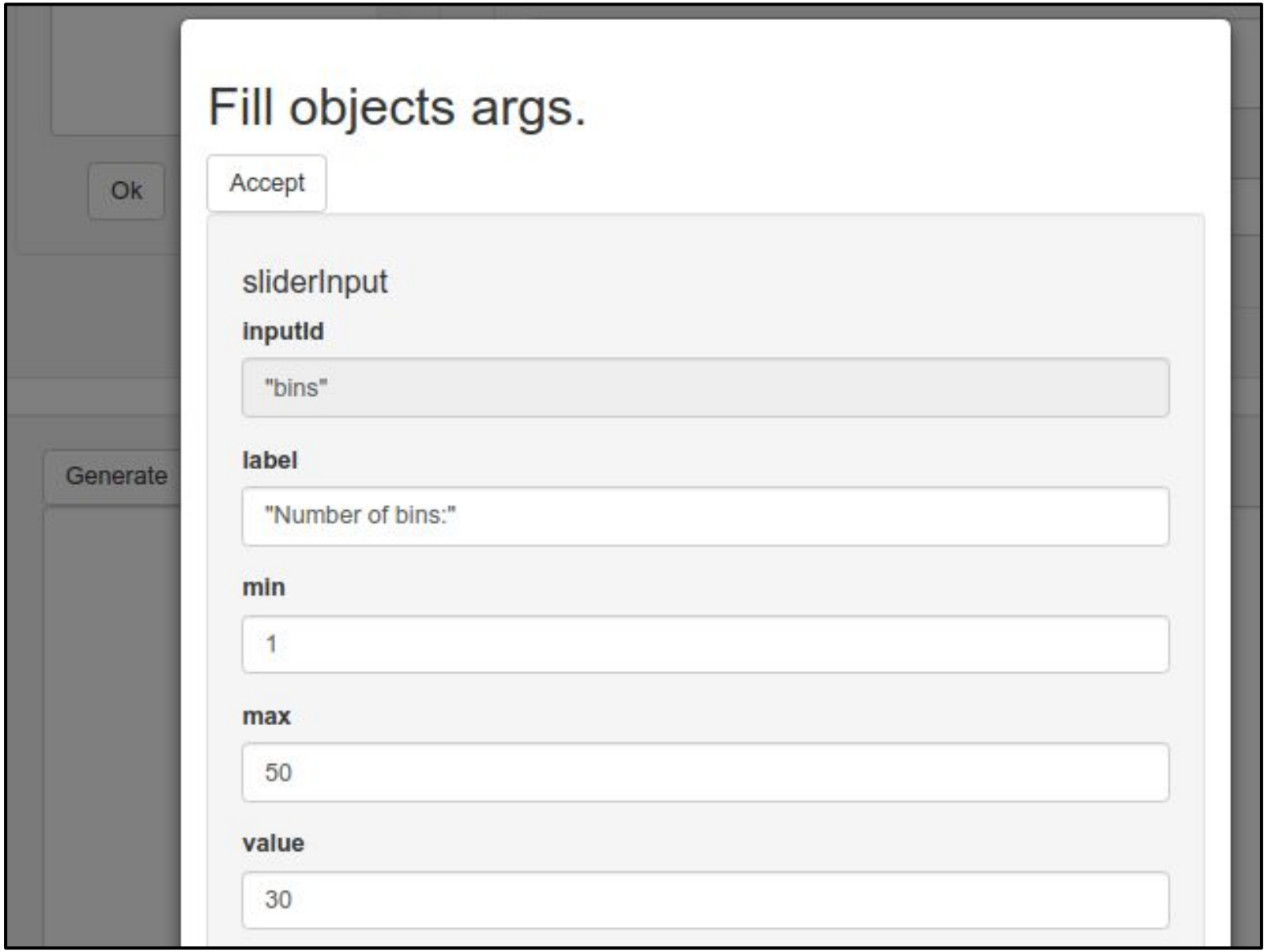


ShinyWYSIWYG - Generate



ShinyWYSIWYG - Generate

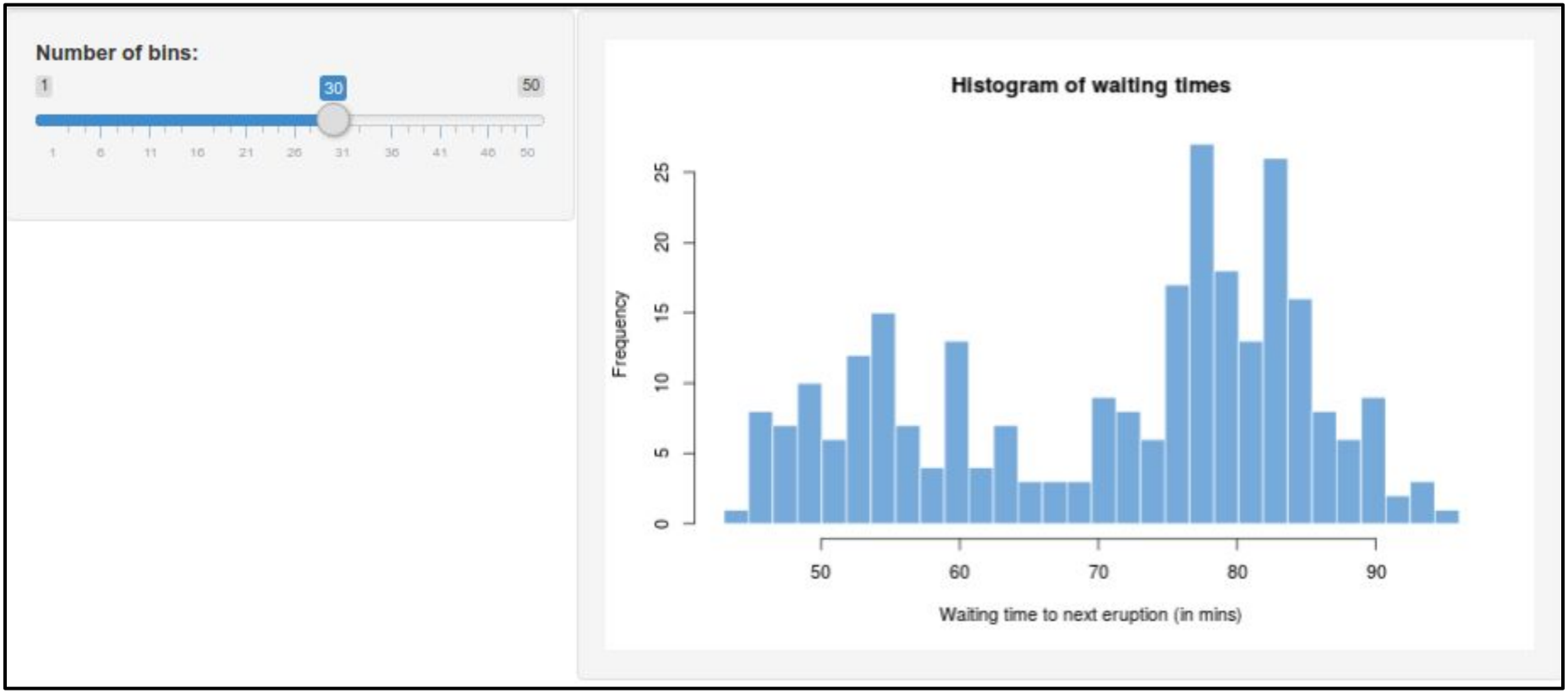
Generate

```
library(shiny);

ui <- fluidPage(
	absolutePanel(wellPanel(sliderInput(sep=",", post=NULL, round=FALSE, pre=NULL, animate=FALSE,
dragRange=TRUE, locale=NULL, width=NULL, label="Number of bins:", min=1, step=NULL, ticks=TRUE,
timeFormat=NULL, inputId="bins", max=50, format=NULL, value=30, timezone=NULL)), top=0, height=301, left=0,
width=374),
	absolutePanel(wellPanel(plotOutput(hoverId=NULL, height="400px", inline=FALSE, width="100%", click=NULL,
clickId=NULL, outputId="distPlot", brush=NULL, dblclick=NULL, hover=NULL, hoverDelayType=NULL,
hoverDelay=NULL)), top=0, height=600, left=375, width=649)
)

server <- function(input, output) {
	# 01_hello
	observeEvent(input$bins, {
		output$distPlot <- renderPlot({
			bins <- input$bins;
			x    <- faithful$waiting;
			bins <- seq(min(x), max(x), length.out=bins + 1);

			hist(x, breaks = bins, col = "#75AADB", border = "white",
				xlab = "Waiting time to next eruption (in mins)",
				main = "Histogram of waiting times")
		})
	})
}
```

ShinyWYSIWYG - Enjoy

```
$ mkdir myShinyApp;

$ cd myShinyApp;

$ vim app.R;

# Ctrl + V

$ R;

> library('shiny');

> runApp();
```

ShinyWYSIWYG - Enjoy



ShinyWYSIWYG - Enjoy

```
shiny::runExample('01_hello')
```

Limitations

- UI: Generates *absolutePanels*

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- Server: Uses *observeEvent*

Questions?

github.com/jcrodriguez1989/shinyWYSIWYG

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