Data Visualization with R
Shiny tutorial

Ariane Ducellier

University of Washington - Fall 2023

What is Shiny?

Shiny: Example 1

Let us run several examples:

```
library(shiny)
```

```
runExample(0!_html)
```

```
runExample("01_hello")
```

Shiny: Example 1

UI part:

```
ui <- fluidPage(
    titlePanel(...),
        sidebarLayout(
            sidebarPanel(
                sliderInput(
                    ...
                ),
            mainPanel(
                plotOutput(ouputId="displot)
            )
        )
    )
```

Shiny: Example 1

Server part:

```
server <- function(input, output) {
      output$distplot <- renderPlot({
            ...
      })
}
```

Creation of Shiny app:

```
shinyApp(ui=ui, server=server)
```

```
Go to File >
      New File >
      R Markdown >
      Shiny
```

Fill the document with the code from `tutorial_shiny_1.Rmd`.

Click on `Run Document`.