Code Along 8

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Screenshot of application

```
knitr::include_graphics("app1_final.png")
```

Visualizing data using "shiny"

Creating an App and making edits

```r
#User interface
library(shiny)
```

```
## Warning: package 'shiny' was built under R version 4.2.3
```

```r
# Define UI for app that draws a histogram ----
ui <- fluidPage(
  # App title ----
  titlePanel("Hello World!"),
  # Sidebar layout with input and output definitions ----
  sidebarLayout(
    # Sidebar panel for inputs ----
    sidebarPanel(
      # Input: Slider for the number of bins ----
      sliderInput(inputId ="bins",label = "Number of bins:",min =5,max =50,value =30)),
    # Main panel for displaying outputs ----
    mainPanel(
      # Output: Histogram ----
      plotOutput(outputId = "distPlot"))))

# Define server logic required to draw a histogram ----
server <- function(input, output) {
  output$distPlot <- renderPlot({
    x <- faithful$waiting
    bins <- seq(min(x), max(x), length.out = input$bins +1)
    hist(x, breaks = bins, col ="#007bc2", border ="yellow",
         xlab = "Waiting time to next eruption (in mins)",
         main ="Histogram of waiting times")
  })
}
```