Quiz 1 | Coursera Page 1 of 4

×

Quiz 1



5/5 questions correct

Quiz passed!

Continue Course (/learn/data-products/lecture/xHIU4/presenting-data-analysis-writing-a-data-report)

Back to Week 1 (/learn/data-products/home/week/1)



Consider the following code for the cars data set

```
library(manipulate)
myPlot <- function(s) {</pre>
    plot(cars$dist - mean(cars$dist), cars$speed - mean(cars$speed))
    abline(0, s)
}
```

This function plots distance versus speed, each de-meaned and an associated line of slope s.

Which of the following code will make a manipulate plot that creates a slider for the slope?

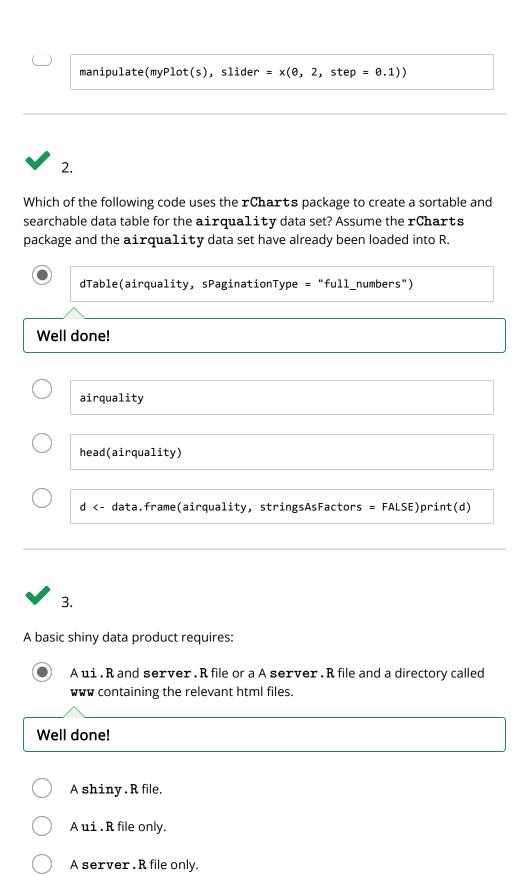


```
manipulate(myPlot(s), s = slider(0, 2, step = 0.1))
```

Well done!

- manipulate(myPlot(s), x.s = slider(0, 2, step = 0.1))
- manipulate(myPlot, s = slider(0, 2, step = 0.1))

Quiz 1 | Coursera Page 2 of 4



Quiz 1 | Coursera Page 3 of 4



1

What is incorrect about the followig syntax in ui.R?

```
library(shiny)
shinyUI(pageWithSidebar(
  headerPanel("Data science FTW!"),
  sidebarPanel(
    h2('Big text')
    h3('Sidebar')
),
  mainPanel(
    h3('Main Panel text')
)
```

- The **h3** command should be an **h2** command.
- Missing a comma in the sidebar panel

Well done!

- The "Sidebar" should say "Sidebar text".
- The **h2** command has the wrong arguments.



5.

Consider the following code in ui.R

```
shinyUI(pageWithSidebar(
   headerPanel("Example plot"),
   sidebarPanel(
      sliderInput('mu', 'Guess at the mu',value = 70, min = 60, max = 80,
   step = 0.05,) ),
   mainPanel(
      plotOutput('newHist')
   )
))
```

And the following **server.R** code.

Quiz 1 | Coursera Page 4 of 4

```
library(UsingR)
data(galton)

shinyServer(
    function(input, output) {
        output$myHist <- renderPlot({
            hist(galton$child, xlab='child height', col='lightblue',main
='Histogram')
            mu <- input$mu
            lines(c(mu, mu), c(0, 200),col="red",lwd=5)
            mse <- mean((galton$child - mu)^2)
            text(63, 150, paste("mu = ", mu))
            text(63, 140, paste("MSE = ", round(mse, 2)))
            })
}</pre>
```

Why isn't it doing what we want?

It should be mu	<	innut \$me	an in	sarvar R
it silould be mu	`	шрисфше	am III	server.k

- The phrase "Guess at the mu value" should say "mean" instead of "mu"
- The limits of the slider are set incorrectly and giving an error.
- The server.R output name isn't the same as the plotOutput command used in ui.R.

Well done!



