Feedback — Quiz 1   Help Center

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You submitted this quiz on **Tue 13 Jan 2015 11:01 PM PST**. You got a score of **5.00** out of **5.00**.

Question 1

Consider the following code for the cars data set

```
library(manipulate)
myPlot <- function(s) {
    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?

Your Answer		Score	Explanation
○	`manipulate(myPlot, s = slider(0, 2, step = 0.1))`		
◉	`manipulate(myPlot(s), s = slider(0, 2, step = 0.1))`	✔ 1.00	
○	`manipulate(myPlot(s), slider = x(0, 2, step = 0.1))`		
○	`manipulate(myPlot(s), x.s = slider(0, 2, step = 0.1))`		
Total		1.00 / 1.00	

Question 2

Which of the following code uses the `rCharts` package to create a sortable and searchable data table for the `airquality` data set? Assume the `rCharts` package and the `airquality` data set have already been loaded into R.

Your Answer		Score	Explanation
⦿	`dTable(airquality, sPaginationType = "full_numbers")`	✔ 1.00	
○	`d`		
○	`airquality`		
○	`head(airquality)`		
Total		1.00 / 1.00	

Question 3

A basic shiny data product requires:

Your Answer		Score	Explanation
○	A `server.R` file only.		
○	A `ui.R` file only.		
⦿	A `ui.R` and `server.R` file or a A `server.R` file and a directory called `www` containing the relevant html files.	✔ 1.00	
○	A `shiny.R` file.		
Total		1.00 / 1.00	

Question 4

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')
  )
))
```

Your Answer	Score	Explanation
⃝ The `"Sidebar"` should say `"Sidebar text"`.		
⃝ The `h2` command has the wrong arguments.		
⃝ The `h3` command should be an `h2` command.		
⦿ Missing a comma in the sidebar panel	✔ 1.00	
Total	1.00 / 1.00	

Question 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.

```
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)))
      })

  }
)
```

Why isn't it doing what we want?

Your Answer		Score	Explanation
⊙ The server.R output name isn't the same as the plotOutput command used in ui.R.	✔	1.00	
◯ It should be `mu in server.R`			
◯ The limits of the slider are set incorrectly and giving an error.			
◯ The phrase "Guess at the mu value" should say "mean" instead of "mu"			
Total		1.00 /	

1.00