Feedback — Quiz 1

Help Center

You submitted this quiz on **Sun 9 Aug 2015 2:39 PM EDT**. 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)
}</pre>
```

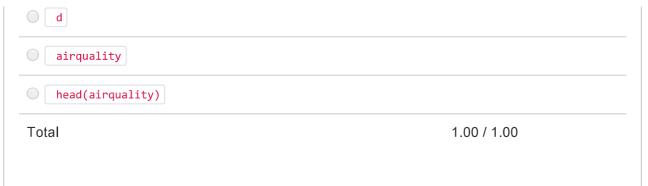
This function plots distance versus speed, each de-meaned and an associated line of slope s. Which of the following code will make a manipulate plot that creates a slider for the slope?

Your Answer	Score	Explanation
<pre>manipulate(myPlot(s), x.s = slider(0, 2, step = 0.1))</pre>		
manipulate(myPlot(s), slider = $x(0, 2, step = 0.1)$)		
<pre>manipulate(myPlot(s), s = slider(0, 2, step = 0.1))</pre>	✓ 1.00	
<pre>manipulate(myPlot, s = slider(0, 2, step = 0.1))</pre>		
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.

Yo	ur Answer		Score	Explanation
•	<pre>dTable(airquality, sPaginationType = "full_numbers")</pre>	~	1.00	



Question 3 A basic shiny data product requires: Your Answer Score Explanation A shiny.R file. A ui.R file only. A server.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. 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 h2 command has the wrong arguments.			
Missing a comma in the sidebar panel	~	1.00	
○ The "Sidebar" should say "Sidebar text".			
The h₃ command should be an h₂ command.			
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)))
    })</pre>
```

}) Why isn't it doing what we want? **Your Answer** Score **Explanation** 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" It should be mu in server.R The server.R output name isn't the same as the plotOutput 1.00 command used in ui.R. Total 1.00 / 1.00