The "Data Science" Specialization

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Feedback — Quiz 1

Help

You submitted this quiz on **Sun 7 Dec 2014 1:54 AM PST**. You got a score of **4.00** out of **5.00**. You can attempt again, if you'd like.

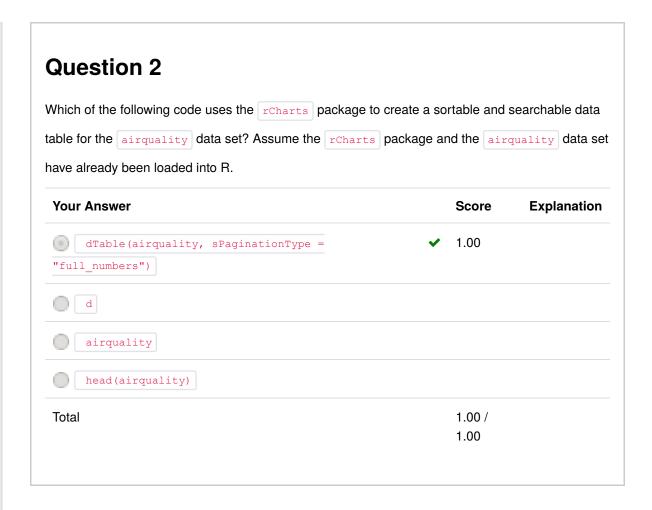
Question 1

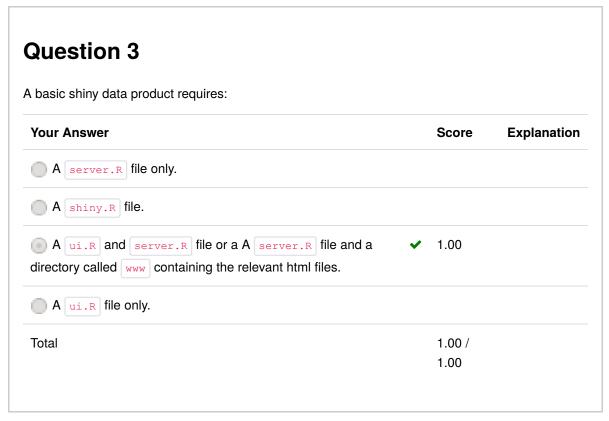
Consider the following code for the cars data set

```
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), s = slider(0, 2, step = 0.1))</pre>		
<pre>manipulate(myPlot(s), x.s = slider(0, 2, step = 0.1))</pre>		
manipulate(myPlot(s), slider = $x(0, 2, step = 0.1)$)	× 0.00	
<pre>manipulate(myPlot, s = slider(0, 2, step = 0.1))</pre>		
Total	0.00 /	
	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



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 = 0.0 5,)), mainPanel(plotOutput('newHist')))) And the following server.R code. library(UsingR) data(galton) shinyServer(function(input, output) { output\$myHist <- renderPlot({</pre> 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)</pre>

```
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
 It should be mu in server.R
 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
                                                                 1.00
 command used in ui.R.
 Total
                                                                  1.00 /
                                                                  1.00
```

https://class.coursera.org/devdataprod-016/quiz/f...