

Feedback — Week 3 Quiz

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You submitted this quiz on **Mon 14 Oct 2013 7:42 PM PDT (UTC -0700)**. You got a score of **8.00** out of **10.00**. You can [attempt again](#), if you'd like.

Question 1

Which of these functions opens a graphics device in R?

Your Answer	Score	Explanation
<input type="radio"/> <code>serialize()</code>		
<input type="radio"/> <code>gzfile()</code>		
<input type="radio"/> <code>axis()</code>		
<input checked="" type="radio"/> <code>postscript()</code>	✓ 1.00	
Total	1.00 / 1.00	

Question 2

Which function opens the default graphics device for the Mac?

Your Answer	Score	Explanation
<input checked="" type="radio"/> <code>quartz()</code>	✓ 1.00	
<input type="radio"/> <code>pdf()</code>		
<input type="radio"/> <code>png()</code>		
<input type="radio"/> <code>bitmap()</code>		
Total	1.00 / 1.00	

Question 3

Which of the following functions is part of the base graphics system?

Your Answer	Score	Explanation
<input type="radio"/> histogram()		
<input type="radio"/> barchart()		
<input type="radio"/> splom()		
<input checked="" type="radio"/> coplot()	✓ 1.00	
Total	1.00 / 1.00	

Question 4

Which of the following functions is generally used to annotate a plot in the base graphics system?

Your Answer	Score	Explanation
<input type="radio"/> plot()		
<input type="radio"/> barplot()		
<input type="radio"/> hist()		
<input checked="" type="radio"/> axis()	✓ 1.00	
Total	1.00 / 1.00	

Question 5

What does the 'pch' option to par() control?

Your Answer	Score	Explanation
<input checked="" type="radio"/> the plotting symbol/character in the base graphics system	✓ 1.00	
<input type="radio"/> the line width in the base graphics system		
<input type="radio"/> the orientation of the axis labels on the plot		
<input type="radio"/> the plotting symbol/character in the lattice graphics system		
Total	1.00 / 1.00	

Question 6

Under the lattice graphics system, what do the primary plotting functions return?

Your Answer	Score	Explanation
<input checked="" type="radio"/> an object of class 'trellis'	✓ 1.00	
<input type="radio"/> an object of class 'lattice'		
<input type="radio"/> nothing; only a plot is made		
<input type="radio"/> an object of class 'plot'		
Total	1.00 / 1.00	

Question 7

What is produced by the following code?

```
library(nlme)
library(lattice)
xyplot(weight ~ Time | Diet, BodyWeight)
```

Your Answer	Score	Explanation
<input checked="" type="radio"/> A set of 3 panels showing the relationship between weight and time for each diet.	✓ 1.00	
<input type="radio"/> A set of 11 panels showing the relationship between weight and diet for each time.		
<input type="radio"/> A set of 3 panels showing the relationship between weight and time for each rat.		
<input type="radio"/> A set of 16 panels showing the relationship between weight and time for each rat.		
Total	1.00 / 1.00	

Question 8

Which of the following functions can be used to annotate a panel in a multi-panel lattice plot?

Your Answer	Score	Explanation
<input checked="" type="radio"/> mtext()	✗ 0.00	
<input type="radio"/> panel.lmline()		
<input type="radio"/> points()		
<input type="radio"/> axis()		
Total	0.00 / 1.00	

Question 9

Which R code makes a plot with the Greek letter 'theta' in the title?

Your Answer	Score	Explanation
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☐ `plot(0, 0, main = expression(theta))`

☐ `plot(0, 0, main = expression("theta"))`

☐ `plot(0, 0, main = "theta")`

☒ `plot(0, 0, main = substitute(theta))` ✗ 0.00

Total 0.00 / 1.00

Question 10

What is produced at the end of this snippet of R code?

```
set.seed(1)
rpois(5, 2)
```

Your Answer	Score	Explanation
<input checked="" type="radio"/> A vector with the numbers 1, 1, 2, 4, 1	✓ 1.00	
<input type="radio"/> A vector with the numbers 1, 4, 1, 1, 5		
<input type="radio"/> A vector with the numbers 3.3, 2.5, 0.5, 1.1, 1.7		
<input type="radio"/> It is impossible to tell because the result is random		
Total	1.00 / 1.00	