

## Feedback — Week 1 Quiz

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You submitted this quiz on **Wed 7 Oct 2015 1:46 PM PDT**. You got a score of **10.00** out of **10.00**.

### Question 1

Which of the following is a principle of analytic graphics?

Your Answer	Score	Explanation
<input type="radio"/> Don't plot more than two variables at at time		
<input checked="" type="radio"/> Describe and document the evidence	✓ 1.00	
<input type="radio"/> Make judicious use of color in your scatterplots		
<input type="radio"/> Only do what your tools allow you to do		
<input type="radio"/> Show box plots (univariate summaries)		
Total	1.00 / 1.00	

### Question 2

What is the role of exploratory graphs in data analysis?

Your Answer	Score	Explanation
<input type="radio"/> Axes, legends, and other details are clean and exactly detailed.		
<input type="radio"/> They are made for formal presentations.		
<input type="radio"/> They are used in place of formal modeling.		

☒ The goal is for personal understanding. ✓ 1.00

Total 1.00 /  
1.00

## Question 3

Which of the following is true about the base plotting system?

Your Answer	Score	Explanation
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☐ The system is most useful for conditioning plots

☐ Margins and spacings are adjusted automatically depending on the type of plot and the data

☐ Plots are typically created with a single function call

<input checked="" type="radio"/> Plots are created and annotated with separate functions	✓ 1.00	Functions like 'plot' or 'hist' typically create the plot on the graphics device and functions like 'lines', 'text', or 'points' will annotate or add data to the plot.
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Total 1.00 /  
1.00

## Question 4

Which of the following is an example of a valid graphics device in R?

Your Answer	Score	Explanation
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☐ A file folder

<input type="radio"/> The keyboard		
<input checked="" type="radio"/> A PDF file	✓	1.00
<input type="radio"/> A socket connection		
Total		1.00 / 1.00

## Question 5

Which of the following is an example of a vector graphics device in R?

Your Answer	Score	Explanation
<input checked="" type="radio"/> Postscript	✓ 1.00	
<input type="radio"/> JPEG		
<input type="radio"/> PNG		
<input type="radio"/> GIF		
Total	1.00 / 1.00	

## Question 6

Bitmapped file formats can be most useful for

Your Answer	Score	Explanation
<input checked="" type="radio"/> Scatterplots with many many points	✓ 1.00	
<input type="radio"/> Plots that may need to be resized		
<input type="radio"/> Plots that require animation or interactivity		
<input type="radio"/> Plots that are not scaled to a specific resolution		
Total	1.00 / 1.00	

## Question 7

Which of the following functions is typically used to add elements to a plot in the base graphics system?

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

## Question 8

Which function opens the screen graphics device for the Mac?

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

## Question 9

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

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

## Question 10

If I want to save a plot to a PDF file, which of the following is a correct way of doing that?

Your Answer	Score	Explanation
<input checked="" type="radio"/> Construct the plot on the screen device and then copy it to a PDF file with <code>dev.copy2pdf()</code>	✓ 1.00	
<input type="radio"/> Open the screen device with <code>quartz()</code> , construct the plot, and then close the device with <code>dev.off()</code> .		
<input type="radio"/> Construct the plot on the PNG device with <code>png()</code> , then copy it to a PDF with <code>dev.copy2pdf()</code> .		
<input type="radio"/> Open the PostScript device with <code>postscript()</code> , construct the plot, then close the device with <code>dev.off()</code> .		
Total	1.00 / 1.00	