Feedback — Week 1 Quiz

Thank you. Your submission for this quiz was received.

You submitted this quiz on **Sun 12 Apr 2015 11:48 PM SGT**. 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
⦿ Describe and document the evidence	✔	1.00	
○ Make judicious use of color in your scatterplots			
○ Only do what your tools allow you to do			
○ Show box plots (univariate summaries)			
○ Don't plot more than two variables at at time			
Total		1.00 / 1.00	

Question 2

What is the role of exploratory graphs in data analysis?

Your Answer		Score	Explanation
○ They are made for formal presentations.			
○ Only a few are constructed.			
⦿ The goal is for personal understanding.	✔	1.00	
○ Axes, legends, and other details are clean and exactly detailed.			
Total		1.00 /	

1.00

Question 3

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

Your Answer	Score	Explanation
⚪ Plots are typically created with a single function call		
⚪ 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 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.
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
⚪ The keyboard		
⦿ A PNG file	✔ 1.00	
⚪ A socket connection		
⚪ A Microsoft Word document		
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
○ JPEG			
◉ Postscript	✔	1.00	
○ PNG			
○ TIFF			
Total		1.00 / 1.00	

Question 6

Bitmapped file formats can be most useful for

Your Answer		Score	Explanation
◉ Scatterplots with many many points	✔	1.00	
○ Plots that may need to be resized			
○ Plots that are not scaled to a specific resolution			
○ Plots that require animation or interactivity			
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
◉ text()	✔	1.00	

○ hist()

○ boxplot()

○ plot()

Total   1.00 / 1.00

Question 8

Which function opens the screen graphics device for the Mac?

Your Answer	Score	Explanation
○ pdf()		
○ png()		
◉ quartz()	✔ 1.00	
○ bitmap()		
Total	1.00 / 1.00	

Question 9

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

Your Answer	Score	Explanation
○ the size of the plotting symbol in a scatterplot		
◉ the plotting symbol/character in the base graphics system	✔ 1.00	
○ the line width in the base graphics system		
○ the orientation of the axis labels on the plot		
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
○ Construct the plot on the PNG device with png(), then copy it to a PDF with dev.copy2pdf().		
◉ Construct the plot on the screen device and then copy it to a PDF file with dev.copy2pdf() ✔	1.00	
○ Open the PostScript device with postscript(), construct the plot, then close the device with dev.off().		
○ Open the screen device with quartz(), construct the plot, and then close the device with dev.off().		
Total	1.00 / 1.00	