Feedback — Week 1 Quiz

Help

Authentication is not required for this quiz.

You submitted this quiz on **Tue 4 Nov 2014 10:14 PM PST**. 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
Show box plots (univariate summaries)			
Make judicious use of color in your scatterplots			
Don't plot more than two variables at at time			
Show comparisons	✔	1.00	
Only do what your tools allow you to do			
Total		1.00 / 1.00	

Question 2

What is the role of exploratory graphs in data analysis?

Your Answer		Score	Explanation
They are typically made very quickly.	✔	1.00	
Axes, legends, and other details are clean and exactly detailed.			
Only a few are constructed.			

They are used in place of formal modeling.	
Total	1.00 / 1.00

Question 3

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

Your Answer		Score	Explanation
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.
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			
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
A socket connection		
A Microsoft Word document		

A file folder		
A PDF file	✔	1.00
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
GIF			
TIFF			
JPEG			
SVG	✔	1.00	
Total		1.00 / 1.00	

Question 6

Bitmapped file formats can be most useful for

Your Answer		Score	Explanation
Plots that require animation or interactivity			
Scatterplots with many many points	✔	1.00	
Plots that may need to be resized			
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
hist()			
plot()			
lines()	✔	1.00	
boxplot()			
Total		1.00 / 1.00	

Question 8

Which function opens the screen graphics device for the Mac?

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

Question 9

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

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