Feedback — Week 1 Quiz

Help

Authentication is not required for this quiz.

You submitted this quiz on **Tue 4 Nov 2014 10:01 AM PST**. You got a score of **9.00** out of **10.00**. You can attempt again, if you'd like.

Question 1

Which of the following is a principle of analytic graphics?

Your Answer		Score	Explanation
Show box plots (univariate summaries)			
Don't plot more than two variables at at time			
Make judicious use of color in your scatterplots			
Show causality, mechanism, explanation	✔	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 used in place of formal modeling.			
They are made for formal presentations.			
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
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.
The system is most useful for conditioning plots			
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 PNG file	✔	1.00	

A Microsoft Word document			
A file folder			
The keyboard			
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			
PNG			
JPEG			
Postscript	✔	1.00	
Total		1.00 / 1.00	

Question 6

Bitmapped file formats can be most useful for

Your Answer		Score	Explanation
Plots that are not scaled to a specific resolution			
Scatterplots with many many points	✔	1.00	
Plots that require animation or interactivity			
Plots that may need to be resized			
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
boxplot()			
text()			
hist()			
plot()	✖	0.00	
Total		0.00 / 1.00	

Question 8

Which function opens the screen graphics device for the Mac?

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

Question 9

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

Your Answer		Score	Explanation
the line width in the base graphics system			
the size of the plotting symbol in a scatterplot			
the plotting symbol/character in the base graphics system	✔	1.00	
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
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().		

Construct the plot on the screen device and then copy it to a PDF file with dev.copy2pdf()	✔	1.00
Construct the plot on the PNG device with png(), then copy it to a PDF with dev.copy2pdf().		
Total		1.00 / 1.00