Feedback — Week 1 Quiz

Help Center

You submitted this quiz on **Sun 10 May 2015 7:15 AM 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
◉ Describe and document the evidence	✔	1.00	
○ Only do what your tools allow you to do			
○ Make judicious use of color in your scatterplots			
○ Don't plot more than two variables at at time			
○ 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
They are used in place of formal modeling.			
They are typically made very quickly.	✔	1.00	
Only a few are constructed.			
They are made for formal presentations.			
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 file folder			
A Microsoft Word document			
The keyboard			
The computer screen	✔	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
TIFF			
GIF			
SVG	✔	1.00	
PNG			
Total		1.00 / 1.00	

Question 6

Bitmapped file formats can be most useful for

Your Answer		Score	Explanation
Plots that may need to be resized			
Scatterplots with many many points	✔	1.00	

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
hist()			
boxplot()			
plot()			
points()	✔	1.00	
Total		1.00 / 1.00	

Question 8

Which function opens the screen graphics device on Windows?

Your Answer		Score	Explanation
xfig()			
postscript()			
jpeg()			
windows()	✔	1.00	
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().			
Open the PostScript device with postscript(), construct the plot, 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	
Open the screen device with quartz(), construct the plot, and then close the device with dev.off().			
Total		1.00 / 1.00	