

Week 1 Quiz

[Help](#)

Warning: The hard deadline has passed. You can attempt it, but **you will not get credit for it.** You are welcome to try it as a learning exercise.

- ☐ In accordance with the Coursera Honor Code, I (Sidhartha Sankar Ray) certify that the answers here are my own work.

Question 1

Which of the following is a principle of analytic graphics?

- ☐ Don't plot more than two variables at at time
- ☐ Make judicious use of color in your scatterplots
- ☐ Only do what your tools allow you to do
- ☐ Show box plots (univariate summaries)
- ☐ Describe and document the evidence

Question 2

What is the role of exploratory graphs in data analysis?

- ☐ The goal is for personal understanding.
- ☐ They are used in place of formal modeling.
- ☐ Axes, legends, and other details are clean and exactly detailed.
- ☐ They are made for formal presentations.

Question 3

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

- ☐ Plots are created and annotated with separate functions
- ☐ 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

Question 4

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

- ☐ A PNG file
- ☐ The keyboard
- ☐ A socket connection
- ☐ A Microsoft Word document

Question 5

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

- ☐ Postscript
- ☐ GIF
- ☐ PNG
- ☐ JPEG

Question 6

Bitmapped file formats can be most useful for

- ☐ Plots that are not scaled to a specific resolution
- ☐ Scatterplots with many many points
- ☐ Plots that require animation or interactivity
- ☐ Plots that may need to be resized

Question 7

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

- ☐ plot()
- ☐ boxplot()
- ☐ hist()
- ☐ text()

Question 8

Which function opens the screen graphics device for the Mac?

- ☐ quartz()
- ☐ pdf()
- ☐ bitmap()
- ☐ png()

Question 9

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

- ☐ the size of the plotting symbol in a scatterplot
- ☐ the orientation of the axis labels on the plot
- ☐ the line width in the base graphics system
- ☐ the plotting symbol/character in the base graphics system

Question 10

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

- ☐ 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()
- ☐ Open the PostScript device with postscript(), construct the plot, 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().

- ☐ In accordance with the Coursera Honor Code, I (Sidhartha Sankar Ray) certify that the answers here are my own work.

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Save Answers

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