Week 1 Quiz
測驗, 10 個問題

9/10 分 (90%)

✔ **恭喜！您通過了！**

下一項

✔ 1 / 1 分

1。
Which of the following is a principle of analytic graphics?

◯ Show comparisons

▲

正確

◯ Make judicious use of color in your scatterplots

◯ Don't plot more than two variables at at time

◯ Show box plots (univariate summaries)

◯ Only do what your tools allow you to do

✔ 1 / 1 分

2。
What is the role of exploratory graphs in data analysis?

◯ The goal is for personal understanding.

▲

正確

◯ Only a few are constructed.

◯ They are used in place of formal modeling.

◯ Axes, legends, and other details are clean and exactly detailed.

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1 / 1 分

3。

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

○　Plots are typically created with a single function call

○　Margins and spacings are adjusted automatically depending on the type of plot and the data

◉　Plots are created and annotated with separate functions

▲

正確

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

✔　　1 / 1 分

4。

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

○　A Microsoft Word document

○　A socket connection

◉　A PNG file

▲

正確

○　A file folder

○　The keyboard

✘　　0 / 1 分

5。

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

○　TIFF

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○ PNG

○ Postscript

◉ GIF

▲

這個選項的答案不正確
This is a bitmapped device.

○ JPEG

✔ 1 / 1 分

6。
Bitmapped file formats can be most useful for

○ Plots that require animation or interactivity

○ Plots that may need to be resized

◉ Scatterplots with many many points

▲

正確

○ Plots that are not scaled to a specific resolution

✔ 1 / 1 分

7。
Which of the following functions is typically used to add elements to a plot in the base graphics system?

◉ text()

▲

正確

○ hist()

○ plot()

○

boxplot()

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✔️　　　1 / 1 分

8。
Which function opens the screen graphics device on Windows?

◯　jpeg()

◯　xfig()

◯　postscript()

◉　windows()

▲

正確

✔️　　　1 / 1 分

9。
What does the 'pch' option to par() control?

◯　the line width in the base graphics system

◯　the size of the plotting symbol in a scatterplot

◯　the orientation of the axis labels on the plot

◉　the plotting symbol/character in the base graphics system

▲

正確

✔️　　　1 / 1 分

10。
If I want to save a plot to a PDF file, which of the following is a correct way of doing that?

◉　Construct the plot on the screen device and then copy it to a PDF file with dev.copy2pdf()

▲

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○ 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().

○ Open the screen device with quartz(), construct the plot, and then close the device with dev.off().