



Congratulations! You passed!

TO PASS 80% or higher

Keep Learning

GRADE
100%

Theme 1 Quiz

TOTAL POINTS 8

1. In the definition of neurohacking it is advised to

1 / 1 point

- ☐ use as many different software platforms as possible, as this ensures reproducibility
- ☐ work strictly with structural MRI and not with functional MRI
- ☒ use the minimum number of software platforms necessary
- ☐ work only in R



Correct

2. How much does it cost to obtain a yearlong license for the use of R?

1 / 1 point

- ☐ \$100
- ☐ \$1000
- ☐ \$200, but you can obtain an educational license for \$100
- ☒ nothing (it is open source)



Correct

3. What is one difference between structural and function MRI?

1 / 1 point

- ☐ Functional MRI is a function of structural MRI.
- ☒ Functional MRI has a high temporal resolution and a low spatial resolution; structural MRI has a high spatial resolution.
- ☐ The two types of MRI data are acquired in different types of scanners.
- ☐ Structural MRI has a high temporal resolution and a low spatial resolution; function MRI has a high spatial resolution.



Correct

4. The data we will use for this course is housed on

1 / 1 point

- ☐ Dropbox
- ☒ github
- ☐ John Muschelli's homepage
- ☐ the Coursera course webpage



Correct

5. Which of the following is NOT a course goal

1 / 1 point

- ☒ to do image analysis in Matlab
- ☐ to do a template-based analysis
- ☐ to do image processing with R, fsf and ANTs
- ☐ to subtract a baseline and follow-up structural MRI image



Correct

6. Which of the following is not true about structural MRI data?

1 / 1 point

- ☒ is sensitive to brain activity response to external stimuli

- ☐ has high spatial resolution
- ☐ is used often in clinical practice
- ☐ has different contrasts that can differentiate different types of tissues

✓ Correct

7. When taking the difference between two 3-D arrays

1 / 1 point

- ☐ two of the three dimensions need to match
- ☒ three of the three dimensions need to match
- ☐ one dimension needs to match
- ☐ no dimension needs to match

✓ Correct

8. At each location structural MRI contrasts data are

1 / 1 point

- ☒ a number
- ☐ a set of coordinates in an MRI template
- ☐ a shade of gray
- ☐ a sequence of three numbers (red, green, blue)

✓ Correct