Theme 4 Quiz 2

TOTAL POINTS 5

1. Why is it appropriate to use rigid registration when performing co-registration within a subject longitudinally? 1 point

- [ ] it is not appropriate, a nonlinear registration should be used
- [ ] none of these options
- [x] we do not expect the subject's brain to change substantially over time
- [ ] it is appropriate because the brain is a rigid object

2. What function in fsl can be used to perform rigid registration? 1 point

- [x] flirt
- [ ] fast
- [ ] frig
- [ ] fnirt

3. The flirt function is designed to do an affine registration. If one wishes to use flirt to perform a rigid registration through fslr in R, what argument must they pass into the fslr flirt function? 1 point

- [ ] verbose = TRUE
- [x] dof = 6
- [ ] verbose = FALSE
- [ ] dof = 12

4. What R function is designed to view a registered image next to the target image in all three planes (axial, sagittal, and coronal)? 1 point

- [ ] ortho
- [x] double_ortho
- [ ] image
- [ ] pdf

5. Registered volumes will not have the same dimensions after registration. 1 point

- [x] False
- [ ] True

☐ I, **Thomas John James**, understand that submitting another's work as my own can result in zero credit for this assignment. Repeated violations of the Coursera Honor Code may result in removal from this course or deactivation of my Coursera account.

Learn more about Coursera's Honor Code

Save Submit