Theme 4 Quiz 7

TOTAL POINTS 5

1. Which type of registration is performed in this lecture (before a nonlinear registration)? 1 point

- tri-linear
- none
- rigid
- affine

2. Which function is used in the lecture to do the affine registration? Which R package is this function from? 1 point

- double_ortho; extrantsr
- ants_regwrite; ANTsR
- ortho2; extrantsr
- ants_regwrite; extrantsr

3. In the following R code, which volume is the target for the registration (or the volume in the space that the images will be registered to)? 1 point

```
aff_brain = ants_regwrite(filename = brain,
                          outfile = aff_t1_outfile,
                          other.files = reg_roi,
                          other.outfiles = aff_roi_outfile,
                          template.file = template.file,
                          typeofTransform = "Affine",
                          verbose = FALSE)

```

- brain
- reg_roi
- aff_t1_outfile
- template.file

4. What registration operation is accomplished in this lecture? 1 point

- rigid registration of the T1-w and FLAIR to the template space
- rigid registration of the T1-w and ROI to the template space
- affine registration of the T1-w and ROI to the template space
- affine registration of the T1-w and FLAIR to the template space

5. Affine registration will put an image into exact alignment with the template image 1 point

- True
- False

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