Theme 4 Quiz 5

TOTAL POINTS 5

1. What type of registration are we using to register the baseline and followup T1 volumes? 1 point

- Non-linear using SyN
- Rigid
- Non-linear using FNIRT
- Affine

2. Which space are we registering the T1-w volumes to? 1 point

- none of these options
- the space of the T1-w baseline volume
- both the space of the T1-w baseline and follow up volume
- the space of the T1-w follow up volume

3. You must perform skull stripping before registration. 1 point

- False
- True

4. What R function is being used in this lecture for the registration between the baseline and follow up studies?
Which R library can this function be found in? 1 point

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

5. 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

```
ants_regwrite(filename = visit2_files_skull[[1]],
              retimg = FALSE, outfile =
              outfiles2_skull[1],
              template.file = outfiles[[1]],
              other.files = visit2_files_skull[2:3],
              other.outfiles = outfiles2_skull[2:3],
              typeofTransform = "Rigid", verbose =                    FALSE)

```

- visit2_files_skull[2:3]
- outfiles[[4]]
- visit2_files_skull[[1]]
- outfiles[[1]]

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