



Theme 4 Quiz 8

TOTAL POINTS 5

1. Symmetric image normalization (SyN) is a type of nonlinear registration

1 point

- ☐ False
☒ True

2. Symmetric image normalization (SyN) in ANTsR will not perform the affine registration before the nonlinear registration; so it is important to do this first.

1 point

- ☒ False
☐ True

3. Which registration types can be passed to the ants_regwrite wrapper through the typeofTransform argument?

1 point

- ☐ rigid
☐ affine
☐ symmetric image normalization
☒ all of these options

4. Why do we register the T1-w volume to the template instead of the FLAIR volume?

1 point

- ☐ only the T1-w volumes have the ability to be registered
☐ T1-w volumes are known to maximize mutual information
☐ it does not matter; the FLAIR is equally optimal to register to this template
☒ the template we are registering to is a T1-w template

5. Non-linear registration should put the T1-w volume and the ROI into alignment with the template image

1 point

- ☐ False
☒ True

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