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

Save   Submit