**Co-register fMRI and MRI**

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**Description**: Use FSL to co-register between fMRI and anatomical MRI data. Note that FSL package must be included in the path (by source /space/maki/1/pubsw/bme-dev-env-new\_mne.csh as of 9/30/2013).

The environmental variable $SUBJECTS\_DIR must be set to include the already-completed FREESURFER reconstruction of the anatomy.

**Code**:

fslregister --s 091813 --mov ../rawdata/ref\_ini/gre\_cor.mgh --reg ./register\_cor.dat --maxangle 70 --initxfm

**Input files:**

‘gre\_cor.mgh’, an anatomical MRI file, in the folder ‘../rawdata/ref\_ini’. This may be the sum-of-squares images of an INI ‘reference scan’. This is the file of the fMRI to be moved.

**Output files:**

‘register\_cor.dat’ , a file including details of the 12-parameter affine transformation to co-register between fMRI and anatomical MRI, will be generated in the local working directory.

Notes:

* Double check environmental variables to include access to FSL
* Double check the completion of freesurfer reconstruction of the anatomical MRI