

**Subject:** Fwd: Preprocessing script  
**From:** Fumie Costen <fumie.costen@manchester.ac.uk>  
**Date:** 16/08/18 22:35  
**To:** Edward Pyzer-Knapp3 <EPyzerK3@uk.ibm.com>  
**BCC:** Chao Fang <chao.fang@postgrad.manchester.ac.uk>

Hi Ed

Thank you very much for your patience 😊

Attached are the script (python3.6) for preprocessing and mask for ROI extraction. ROBEX 1.2 ([https://www.nitrc.org/frs/?group\\_id=622&release\\_id=2425](https://www.nitrc.org/frs/?group_id=622&release_id=2425)) and FSL (<https://fsl.fmrib.ox.ac.uk/fsl/fslwiki>) need to be installed firstly, and add the FSL path into PATH

```
'FSLDIR=/usr/local/fsl
. ${FSLDIR}/etc/fslconf/fsl.sh
PATH=${FSLDIR}/bin:${PATH}
export FSLDIR PATH' .
```

Then, the command to run this script is 'python3 <number of threads> <MRI image folder> <ROI mask file> <output folder>'

We would be grateful if you can give us some of your reading materials to prepare for our discussion 😊

Best wishes Fumie

On 06/08/18 08:43, Edward Pyzer-Knapp3 wrote:

```
> Hi Fumie.
> If I remember right, you do some pre-processing on the data set. Do you
> have a script that I could use to replicate that here? I am trying to
> get things in place so that I can move fast when my manager returns.
> My plan is
> 1) Replicate exactly what you are doing on Power to get some timings.
> 2) With those timings, estimate usage for a HP tuning session, comparing
> to your current workload.
> 3) Work with you to get some nice results!
> Ed
> --
> Dr Edward O. Pyzer-Knapp
```

—Attachments:—

preprocess.py	11.2 kB
harvardoxford_prob_Hippo_Amyg_Thal_Puta_Pall_Caud_MTL_ROI_Mask_1mm_test.nii.gz	83.8 kB