Once the preprocessed HCP is data is available, it can be normalized to the respective resolution.

The normalized data has to be copied to such a directory structure ‘Folder\_name/subj01’ as shown in makenmove\_normalized\_hcp.m.

Create\_gray\_mask.m can be used to create the gray matter mask at 0.2 threshold.

norm\_mask\_hcp1.m is used to normalize c1,c2 and c3 images after segmentation and create WHOLE\_BRAIN\_MASK.img

For regressing out covariates rest tool box is required <http://restfmri.net/forum/index.php>.

rest\_preproc\_MB.m will take Wc2, Wc3 and WHOLE\_BRAIN\_MASK.img as input and regress out these signals and save the result in a folder with DirPostfix (line 45) which will be in the same subfolder as subj01.

Now the folder ‘Folder\_name’ will have two sub directories subj01 and subj01wm\_csf\_gsr\_removed (after regression).

Add appropriate path for input in DynamicBC\_run\_check.m (upto line 25). At line 112 add path for gray matter mask and at line 175 isub is made to run from 2:SubjectNum so that it runs only for subj01wm\_csf\_gsr\_removed. Add appropriate window size at winsz(line 10).

DynamicBC\_sliding\_window\_FC.m needs to be in the same folder as DynamicBC\_run\_check.m.

The input to DynamicBC\_run\_check.m is a string input which denotes the subject number.

This is used as a input via the grid using grid.sh