-Main function that calls all other functions: fmri\_ica\_aroma

-The head and functional masks are not saved in any directory but they can be saved by uncommenting the last lines in both make\_epi\_mask and make\_head\_masks functions and introducing the desired directory-

-The outDir parameter in the fmri\_ica\_aroma function is the path where the ICA files will be stored and needs to be specified.

-path to json path needs to be specified before the call to fmri\_ica\_aroma.

-In do\_ica function, line 30 defines the directory of the init parameter template file. Might need to be changed if it’s not correct. It is currently it this directory: \matlab\my\_spmbatch\fmri\_denoising-master\subfunc\_ica\_aroma

-Line 128 in do\_ica function runs ICA. All the results are stores in the outDir, including the new parameter initialization.

-The file names of the IC analysis are always stored as subject 1 and session by default using the GIFT toolbox, thus it doesn’t correspond to the subject number and session if the real subject number is not 1. After do\_ica, the output files could be renamed to their real subject and session number.

-The parameter ica\_dir in the ica\_aroma\_classification file is the outDir specified in the do\_ica function.

-Line 30 in ica\_aroma\_classification needs to be changed to the directory of the IC file stored as ‘ica\_gift\_sub01\_component\_ica\_s1\_.nii’ in the ica\_dir file.

-Line 37 in ica\_aroma\_classification needs to be changed to the directory of the time courses file stored as ‘ica\_gift\_sub01\_timecourses\_ica\_s1\_i’ in the ica\_dir file.

-The above two modifications are always true considering that there is no renaming of the output files resulting from the IC decomposition to their correct subject number.

-Line 129 in ica\_aroma\_classification defines the output directory where the noise ICs will be stored. Might want to change the path.

-Line 46 in fmri\_ica\_aroma needs to specify the path to the parameter initialization file created in the do\_ica function that was stored in the outDir.

-Line 47 in fmri\_ica\_aroma needs to specify the output directory where the denoised files will be stored.

-I also included the script to compute the t\_snr