To start the analysis:

1. Run file writeNetCognitiveLoad.m, by default it is set to use ‘fft ‘, to use ‘stockwell’ change the variable *specmethod* in line 41. The script outputs 6 files:
   1. outputForGLMM\_alphaDiff\_baseline1.csv
   2. outputForGLMM\_alphathetadiff\_baseline1.csv
   3. outputForGLMM\_alphathetadiff\_baselineImmediate.csv
   4. outputForGLMM\_alphaDiff\_baselineImmediate.csv
   5. Table\_ImmediateBaseline.csv
   6. Table\_Baseline1.csv

The last two files are summary of the other four files. The last three lines in the summary files show *uniform loading* which is why the values are duplicated.

1. Once the weighting has been decided upon, note the combination. Run file *FocalAnalysis.m* . Change lines 6, 7,8, 9, 10 to the required measure. This outputs file *outputForGLMM.csv.* This file will be used in GLM analysis in R.
2. For the GLM analysis results, open ‘GLM\_notebook.nb.html’ in a we browser. Open ‘GLM\_notebook.Rmd’ in R-Studio to make changes.