

## Code Review Checklist

Most important before paper

Important every session

Unclear

<b><u>Usability</u></b>	<b><u>Comments (at least Yes / No)</u></b>
Is the code easy to install? Are there setup instructions and a list of requirements?	Easy to download but no instructions about requirements (external packages)
Is there an example script or a full pipeline that is easy to run and understand?	The "MAIN.m" file is sufficient to understand the pipeline, as it is well commented, but some comment are in french
<b><u>Data preparation</u></b>	
Are data loading and analysis implemented as separate steps? Ideal: have a data loader class	The data are loaded in the main file, it would be good to load it separately so that it does not have to be done each time
Is ALL data used available in the cluster	No, it could be good to have at least a little sample of data to better understand the format needed for preprocessed MEG
<b><u>Analysis &amp; Plotting</u></b>	
Are the different steps of the analysis clearly identified in the README?	Yes
Does the analysis code reflect what is described in the paper? If applicable	Please provide link/make a branch if it's building on someone else work
Is it clear what code is used to create each of the figures or panels in the paper?	Even though there is no paper. It would be appreciated to have a separate file to reproduce only the figures.
<b><u>Code quality</u></b>	
Project in periodically updated in github, gitignore, README	GitHub does not seems to be used during the process
Project structure: folders: data, notebooks, scripts, figures	Good structure.
Is the code well organized (functions, classes, modules, settings, ... as applicable)?	Well organized in functions, but maybe you can merge some files ?
Are all functions and classes documented?	Yes, but not equally over all the files
Are some values hardcoded?	The names of the subjects are

	hardcoded
Can any of the code be replaced by existing packages?	We don't know
Are there any obvious optimisations that will improve performance?	Yes, the loading of different subject
Is there any redundant code that should be removed?	We were wondering if some files called “_v1” and “_v2” are doing the same things and can be removed ?
Does the code agree with basic style guidelines (e.g. PEP8 for Python)	
Variables names are self explanatory (eg no a, b, c etc)	Yes
Are there any passwords in the repo or exposed in the code?	
Is any identifying information unwillingly exposed?	In the directory indicated in the paths indicated in the “MAIN” file