Code Review Checklist

Most important before paper

Important every session

Unclear

Usability	**Comments (at least Yes / No)**
Is the code easy to install? Are there setup instructions and a list of requirements?	Change the title of README
Is there an example script or a full pipeline that is easy to run and understand?	MAIN?
Data preparation	
Are data loading and analysis implemented as separate steps? Ideal: have a data loader class	No data available. The path is absolute to Yannicks local machine
Is ALL data used available in the cluster	See above
Analysis & Plotting	
Are the different steps of the analysis clearly identified in the README?	Yes but an explanation of each file/the most important files would help
Does the analysis code reflect what is described in the paper? If applicable	Yes
Is it clear what code is used to create each of the figures or panels in the paper?	No figures
Code quality	
Project in periodically updated in github, gitignore, README	We don't know
Project structure: folders: data, notebooks, scripts, figures	Project structure can be more clearly explained in the README (which file to run, purpose of each file / folder)
Is the code well organized (functions, classes, modules, settings, ... as applicable)?	Looks like there is one/two functions per file
Are all functions and classes documented?	Documentation partially in french Indentation sometimes unclear?
Are some values hardcoded?	Yes
Can any of the code be replaced by existing packages?	We don't think so
Are there any obvious optimisations that will improve performance?	

Is there any redundant code that should be removed?	We don’t think so
Does the code agree with basic style guidelines (e.g. PEP8 for Python)	Most but some indents are unclear
Variables names are self explanatory (eg no a, b, c etc)	In general yes, but it’s unclear for list_cond (‘cb’, ‘ob’ - function_hilbert/do_compute_hilbert.m)
Are there any passwords in the repo or exposed in the code?	We don’t think so
Is any identifying information unwillingly exposed?	Absolute path