

## Code Review Checklist

Most important before paper

Important every session

Optional

<u>Usability</u>	<u>Comments (at least Yes / No)</u>
Is the code easy to install/run? Are there setup instructions and a list of requirements?	Easy to install Requirements are there
Is there an example script or a full pipeline that is easy to run and understand?	No clear example pipeline Could add a bash file that plots one figure easily
<b>Data preparation</b>	
Are data loading and analysis implemented as separate steps? Ideal: have a data loader class	Data is in the repository; No data loader function; Data is directly loaded within the scripts;
Is ALL data used available in the cluster	Data already in the repository;
<b>Analysis &amp; Plotting</b>	
Are the different steps of the analysis clearly identified in the README?	Very short README;
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?	Yes, related to file names;
<b>Code quality</b>	
Project in periodically updated in github, gitignore, README	
Project structure: folders: data, notebooks, scripts, figures	Well structured;
Is the code well organized (functions, classes, modules, settings, ... as applicable)?	Yes, overall; Functions are well organized through files;
Are all functions and classes documented?	Functions lack docstrings; Might deserve explanations at the beginning of each file;
Are some values hardcoded?	Certain paths are hardcoded and do not point towards the repository;

Can any of the code be replaced by existing packages/functions?	Many functions are already imported, so it's OK;
Are there any obvious optimisations that will improve performance?	
Is there any redundant code that should be removed/refactored?	No
Consistent, readable coding style (bonus points if. PEP8 for Python)	Mostly, but lots of commented code;
Variables names are self explanatory (eg no a, b, c etc)	Some variable names are not self explanatory (eg stdf1, gdf, etc)
Are there any passwords in the repo or exposed in the code?	No
Is any identifying information unwillingly exposed?	No