#### **Code Review Checklist**

Most important before paper

Important every session

Optional

| **Usability** | **Comments (at least Yes / No)** |
| --- | --- |
| Is the code easy to install/run? Are there setup instructions and a list of requirements? | Yes |
| Is there an example script or a full pipeline that is easy to run and understand? | No : without a data sample to try the pipeline it’s not possible to check |
|  |  |
| **Data preparation** |  |
| Are data loading and analysis implemented as separate steps? Ideal: have a data loader class | Yes |
| Is ALL data used available in the cluster | No. The script “format\_dat.py” refers to a local path in your laptop  Maybe add a sample of the data in github for demo purpose (if suitable) ? |
|  |  |
| **Analysis & Plotting** |  |
| 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 | The paper was not in github |
| Is it clear what code is used to create each of the figures or panels in the paper? | No, it’s not clear or no folder exists for reproducing figures |
|  |  |
| **Code quality** |  |
| Project in periodically updated in github, gitignore, README | No, maybe not required in this case |
| Project structure: folders: data, notebooks, scripts, figures | [1]It’s not hierarchically structured |
| Is the code well organized (functions, classes, modules, settings, ... as applicable)? | [2] Yes |
| Are all functions and classes documented? | Very well documented |
| Are some values hardcoded? | Yes, subject names and some parameter values |
| Can any of the code be replaced by existing packages/functions? | No |
| Are there any obvious optimisations that will improve performance? | ? |
| Is there any redundant code that should be removed/refactored? | Yes, some importation which later are not used |
| Consistent, readable coding style (bonus points if. PEP8 for Python) | Good |
| Variables names are self explanatory (eg no a, b, c etc) | Most of them |
|  |  |
| Are there any passwords in the repo or exposed in the code? | No (but path in your laptop directories) |
| Is any identifying information unwillingly exposed? | No |

sub-checklists

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