

Coding standard

Based largely on PEP8

General

- indentation: 4 spaces (no tabs)
- 79 chars max per line
- comment each class and function
- if a block of code within a function is doing something complex, add a high level comment

Naming conventions

- Module names: lower case (E.g. filters, features)
- Class names: capitalized (E.g. class EEGBandFilter)
- Function names, variable names: mixed case (E.g. filterSignal, segmentDuration)
- Constants: all caps with words separated by underscores (E.g. ELECTRODE_NAMES)
- Private variables of a class: start with underscore (E.g. _electrodeList)

Project Setup

General

conda : for installing packages (included in anaconda)

anaconda: conda + data science packages + jupyter

IDE : PyCharm / VS code

Code repo: git

Visualization framework: E.g. plotly / seaborn

Later:

code review tool: TBD

linter: pyLint (setup later)

testing framework: pytest

Project specific

mne: for eeg processing