Module “Functions”

**\_\_init\_\_.py**

**main\_MEG\_QC.py:**

save\_derivative\_html() – using ANCP BIDS:

* + Read config **settings.ini (get directory path)**
* For each subject:
  + - Make folder for the derivative
    - For every data\_file.fif:
      * Initial\_stuff(config) -> **data\_load\_and\_folders.py**
        + load\_meg\_data
        + Epoch\_meg
        + MEG\_QC\_Measures (config + all outputs of initial\_stuff)

RMSE\_meg\_qc() -> **RMSE\_MEG\_QC.py ->** own funcs

PSD\_meg\_qc() -> **PSD\_MEG\_QC.py ->** mne.time\_frequency.psd\_welch + own funcs

PP\_manual\_meg\_qc() -> own funcs

PP\_auto\_meg\_qc() -> mne.preprocessing.annotate\_amplitude

ECG\_meg\_qc() -> mne.preprocessing.find\_ecg\_events + mne.preprocessing.create\_ecg\_epochs

EOG\_meg\_qc() -> mne.preprocessing.find\_eog\_events + mne.preprocessing.create\_eog\_epochs

HEAD\_movements\_meg\_qc() ->

mne.chpi.get\_chpi\_info

mne.chpi.compute\_chpi\_amplitudes

mne.chpi.compute\_chpi\_locs

mne.chpi.compute\_head\_pos

OR funcs from another tutorial…

MUSCLE\_meg\_qc() -> mne.preprocessing.annotate\_muscle\_zscore

* + - Write all derivatives for all subjects.