Implementation.

`classify.py`

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~/Code/academic/mtp/reegmo master* 6s
datacon ❯ python classify.py --help
usage: classify.py [-h] [-b] [-s] [-a] [-d {random,subjectid} [{random,subjectid} ...]]
                   [-m {random_forest,xgboost} [{random_forest,xgboost} ...]]
                   [-r RANDOM_STATE] [-tr TEST_SIZE] [-ts TEST_SUBJECT_SIZE]
                   [-c {2,3,-1}] [--all]

Supervised classification of EEG features

optional arguments:
  -h, --help            show this help message and exit
  -b, --baseline        Subtract mean value of the respective channel from each channel
                        -- Use this feature
  -s, --standardize     Standardize each channel -- Use this feature
  -a, --average         Average out all channels -- Use this feature
  -d {random,subjectid} [{random,subjectid} ...], --divtype {random,subjectid} [{random,subjectid} ...]
                        How to split the data into train and test sets
  -m {random_forest,xgboost} [{random_forest,xgboost} ...], --model {random_forest,xgboost} [{random_forest,xgboost} ...]
                        Model(s) to use for classification
  -r RANDOM_STATE, --random-state RANDOM_STATE
                        Random State for Shuffle
  -tr TEST_SIZE, --test-size TEST_SIZE
                        Test size in fraction (of total data points)
  -ts TEST_SUBJECT_SIZE, --test-subject-size TEST_SUBJECT_SIZE
                        Test size in fraction (of number of subjects)
  -c {2,3,-1}, --num-classes {2,3,-1}
                        Number of classes into which y will be divided
  --all                 Use features from all possible combinations
```

Classification.