Implementation.

Classification Model.

1. Data with features and labels read.
2. NaN values dropped, rows shuffled.
3. Test-train split. (either by subjectid or random.)
4. X - Y split.
5. Binning of Y into N classes. (N = 3, by default.)
6. Y has 4 columns : Valence, Arousal, Control, Prediction.
7. For each, y is extracted, data used for training a model.

Implementation.

extract_features.py

```
~/Code/academic/mtp/reegmo master*
datacon ❯ python extract_features.py --help
usage: extract_features.py [-h] [-e] [-m] [-b] [-s] [-a] [--all] [-w WINSIZE]

Extract features from EEG sessions

optional arguments:
  -h, --help            show this help message and exit
  -e, --extract-only    Only extract each session into pickle
  -m, --merge-only      Only merge all sessions into a single pickle
  -b, --baseline        Subtract mean value of the respective channel from each channel
  -s, --standardize     Standardize each channel
  -a, --average         Average out all channels
  --all                 Extract all possible combinations
  -w WINSIZE, --winsize WINSIZE
                        Window Size in seconds
```