EEG Classification

Summary: This method aims to learn the brain manifold that is obtained by training a Classifier using EEG. After verifying that visual information can be extracted from EEG data, a multimodal approach is carried out using deep image and EEG encoders for learning a joint manifold that maximizes a compatibility measure between visual features and brain representations.

Paper: https://arxiv.org/abs/1810.10974

Code: https://github.com/perceivelab/eeg_visual_classification

Dataset: https://www.nature.com/articles/sdata2018308/tables/6