An EEG based emotion recognition and classification using machine learning techniques

GSCCA method: model learning and emotion recognition.

Support Vector Machines (SVMs), used for supervised classification experiments.

Steps:

* Dataset collection
* Building neural network & algorithm implementation
* Classification of emotion
* Performance evaluation

Classification:

* Supervised: The set of possible classes is known in advance.
* Unsupervised: Set of possible classes is not known. Try to assign name to that class after the classification.

Classification methods:

* K-Nearest neighbors (KNN)
* Decision tree
* SVM (support vector machine)
* Softmax classifier