Description of the algorithm used for the classification of the >motor imagery in ECoG recordings, session-to-session transfer

Data set I from the BCI Competition 05

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Methodology

After Channel Selection using Time and Frequency Information, we use Rayleigh Coefficients (the ratio of variances between classes and within classes) to select features.

The Classifier which we adopt is Attribute Clustering Network based Nearest Neighbor Classification Approach.

In training procedure we use 10-folds cross-validation to choose an optimal number of features.

Results

please see the attachment "xcsun_etal_datai.mat" or "xcsun_etal_datai.txt".