

Detecting Movement Timing from Primate Intracortical Signals for Brain-machine Interfaces in Dynamic Environment

Chenyang Li, Yiheng Zhang, Tianwei Wang, Xinxu Xu, Qifan Wang, Ruichen Zheng and He Cui

CAS Key Lab of Primate Neurobiology, CEBSIT, Shanghai

- Movement timing recognition is neglected in current BMI decoding.
- Detecting movement timing is an outlier detection of recorded intracortical signals from unlabeled dataset.
- dPCA-based detector gives the best performance across 9 simultaneously recording set.

