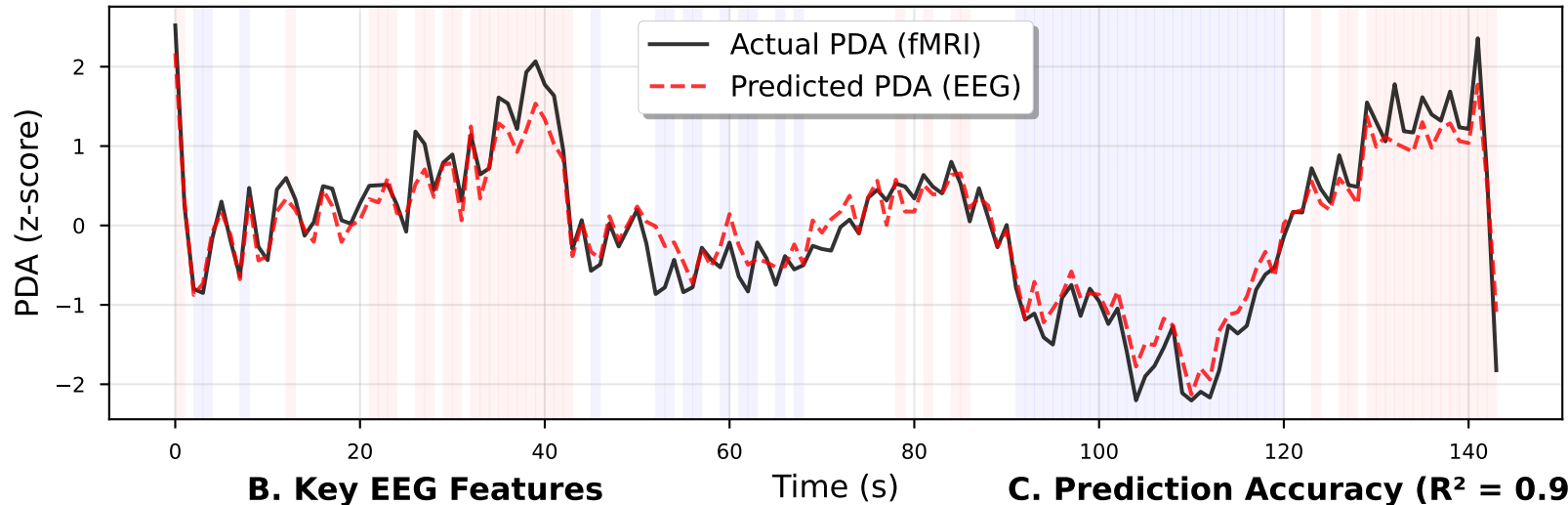
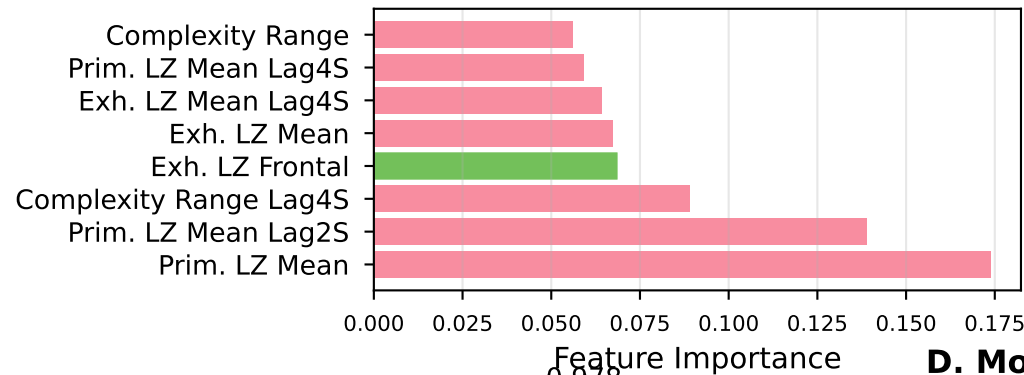


EEG-Based Prediction of fMRI Brain Network States

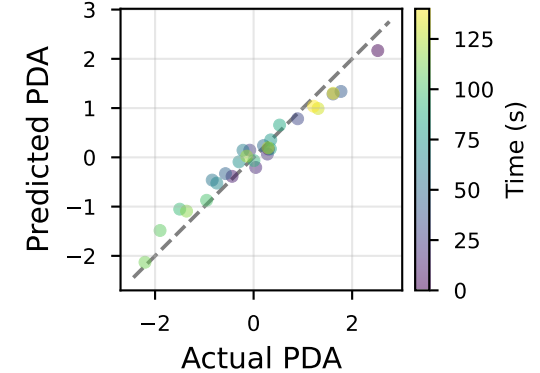
A. EEG-based Prediction of fMRI Network States ($r = 0.978$)



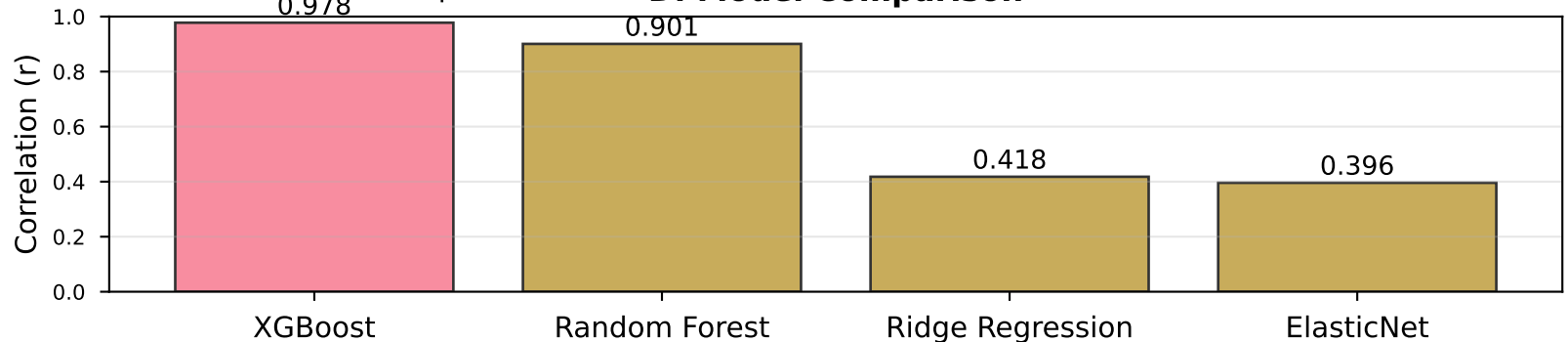
B. Key EEG Features



C. Prediction Accuracy ($R^2 = 0.926$)



D. Model Comparison



*Lempel-Ziv complexity features extracted from 2s EEG windows
XGBoost model with 5-fold time series cross-validation*