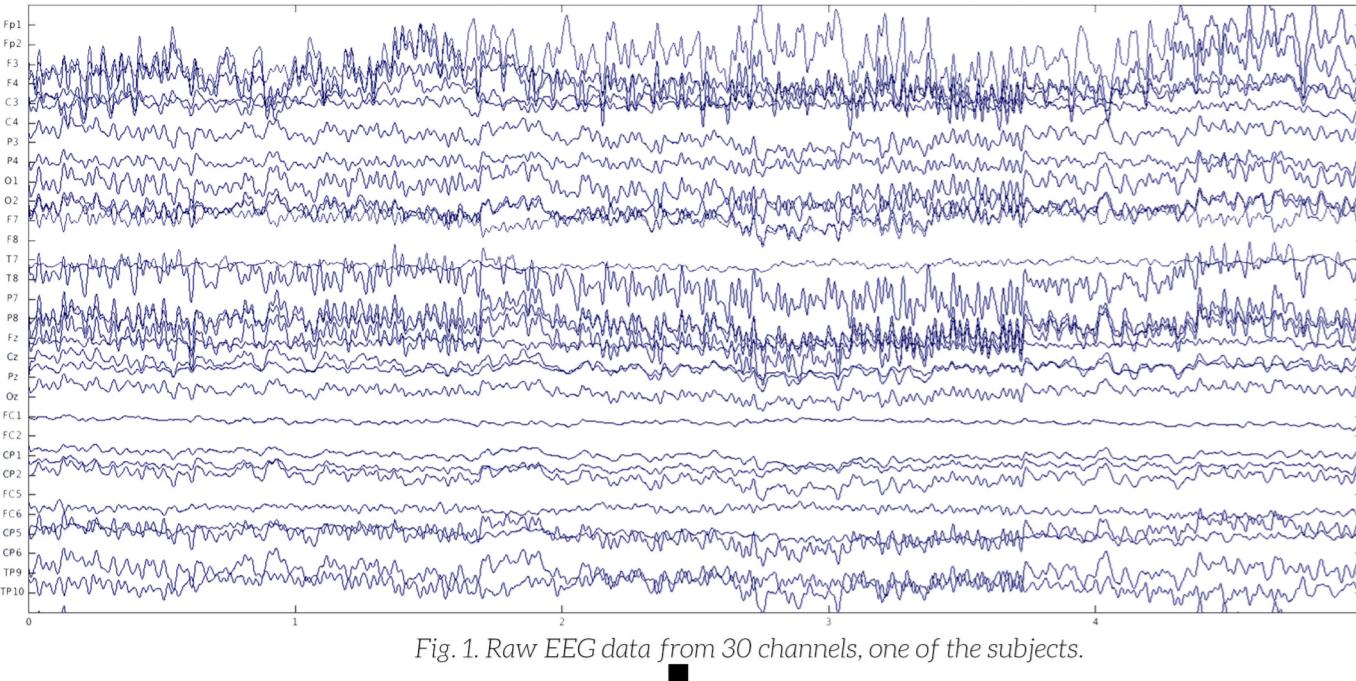


Multichannel raw EEG



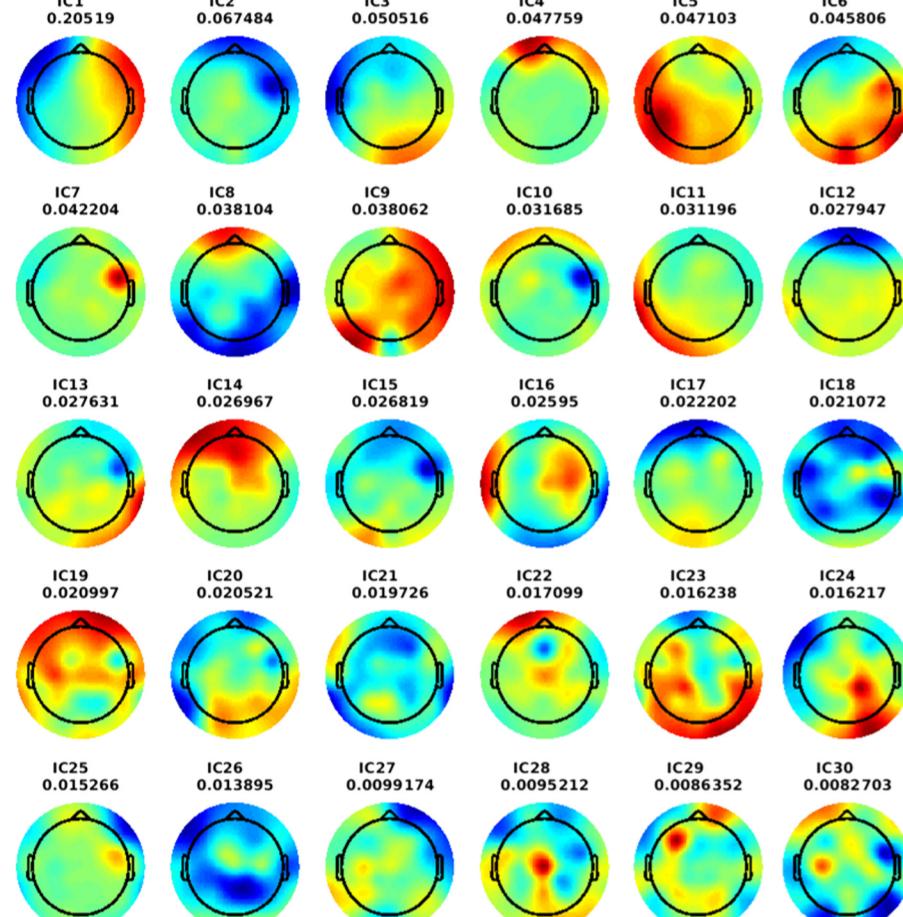
Artefact-free data

Global Field Power
(standard deviation)

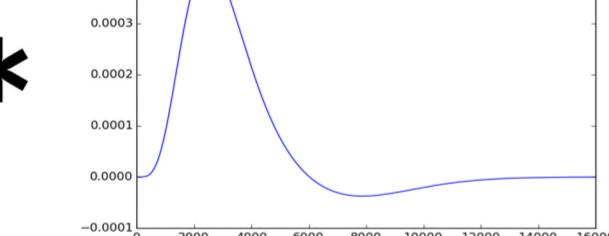
pre-ICA microstates

FastICA

Microstates



Microstates time series



(hemodynamic
response function)

Regressors

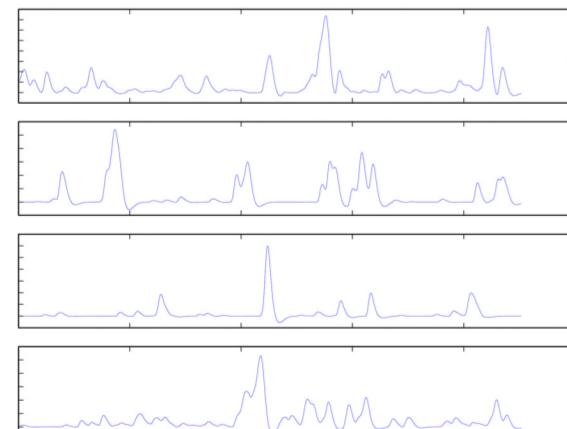


Fig. 3. Regressors are result of convolving 0-1 series of microstates with HRF.
Shown are four out of eight regressors.

Independent Components from fMRI

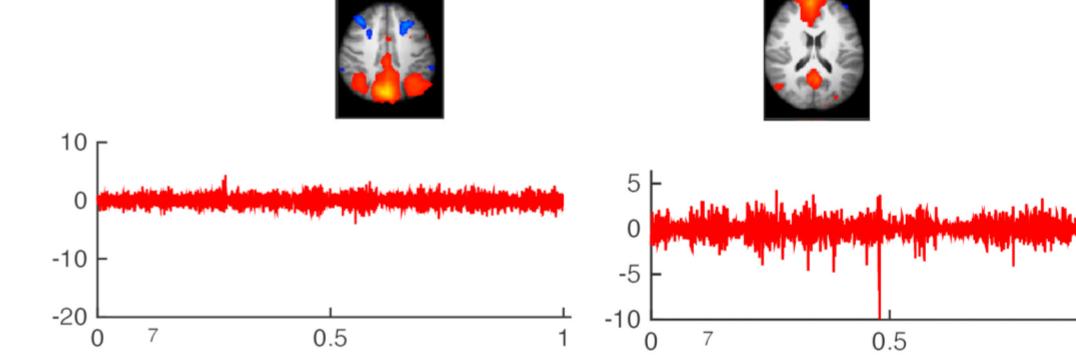


Fig. 4. The third and seventh component from ICA analysis of fMRI, showing the DMN active regions.

Elastic net & cross-validation

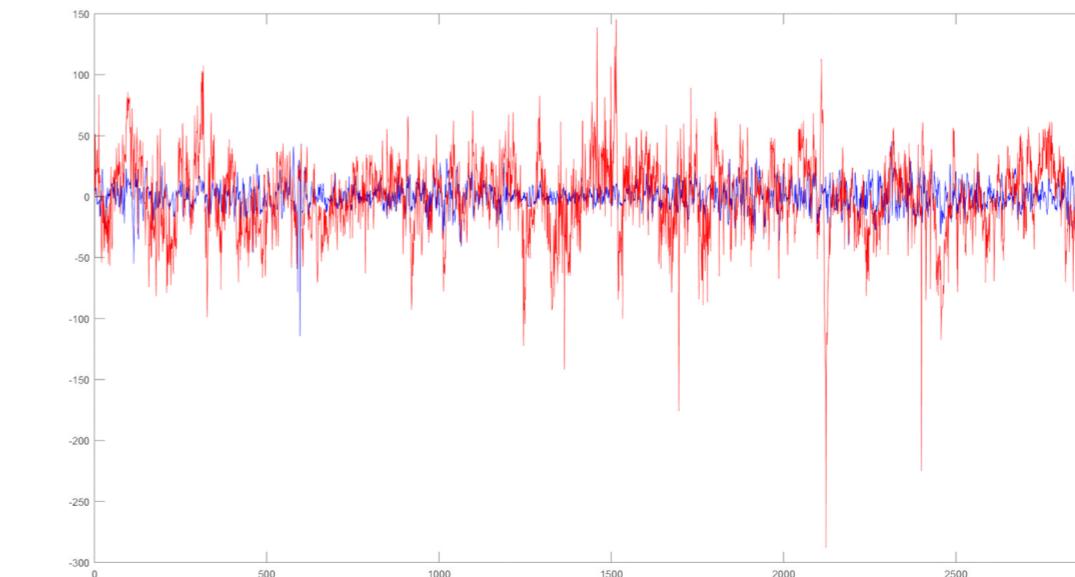
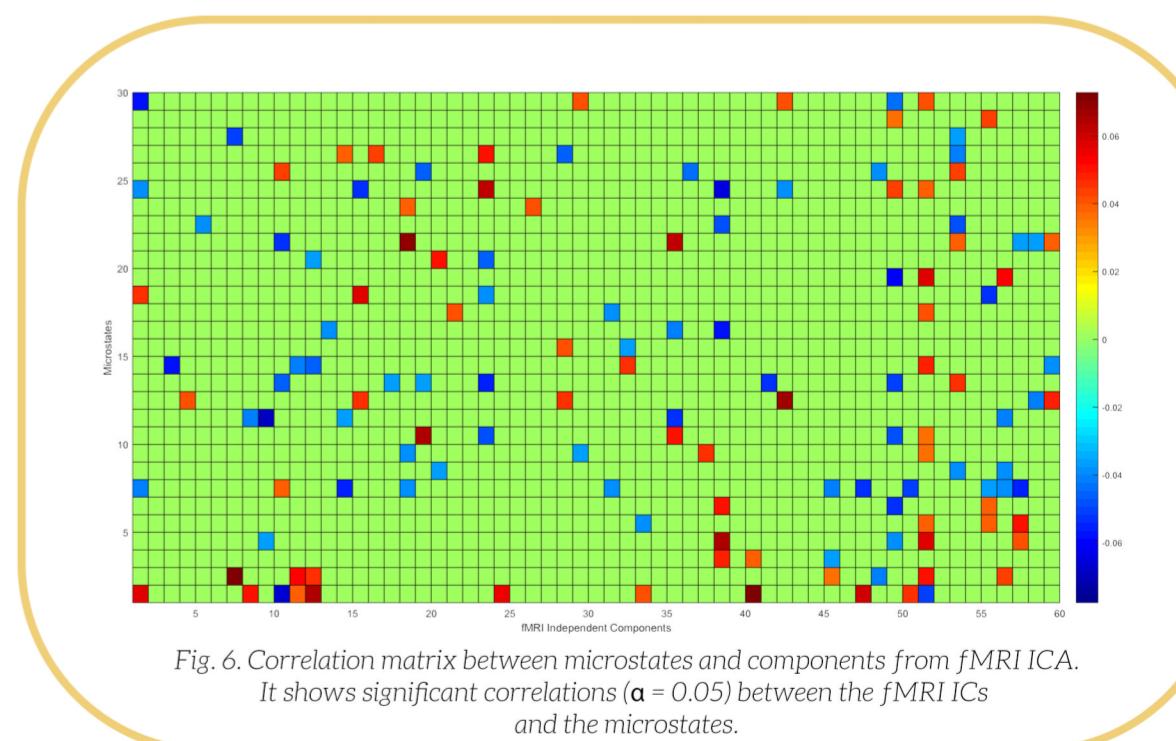
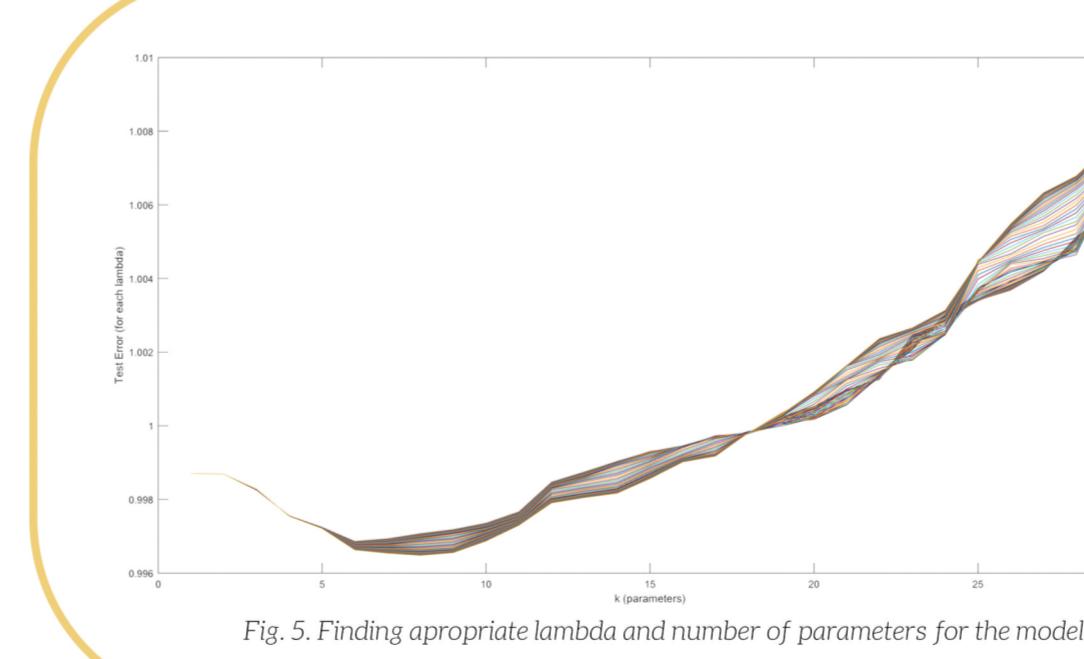


Fig. 7. Prediction (blue line) of fMRI (red line), based on EEG microstates.
The correlation is 0.0729, normalized mean square error is 0.9961