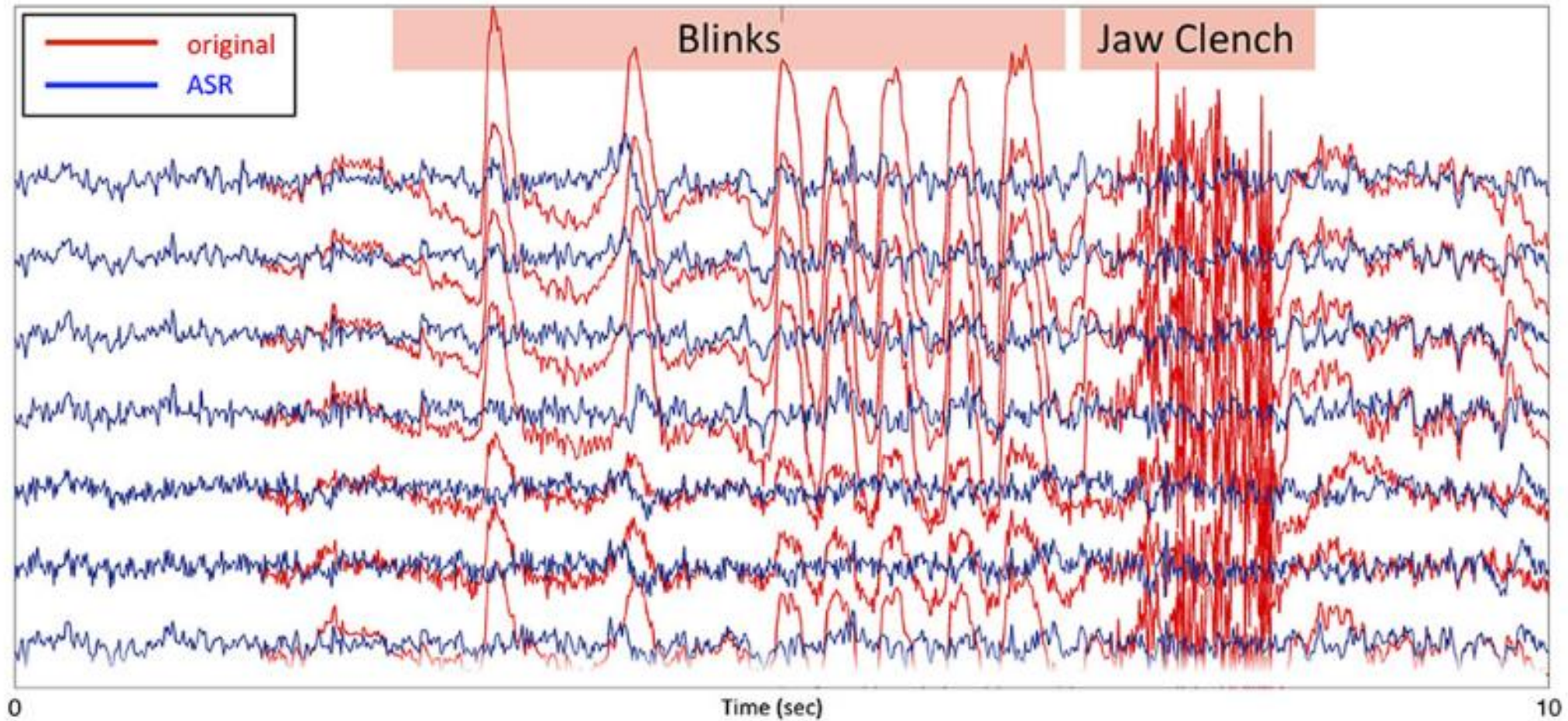


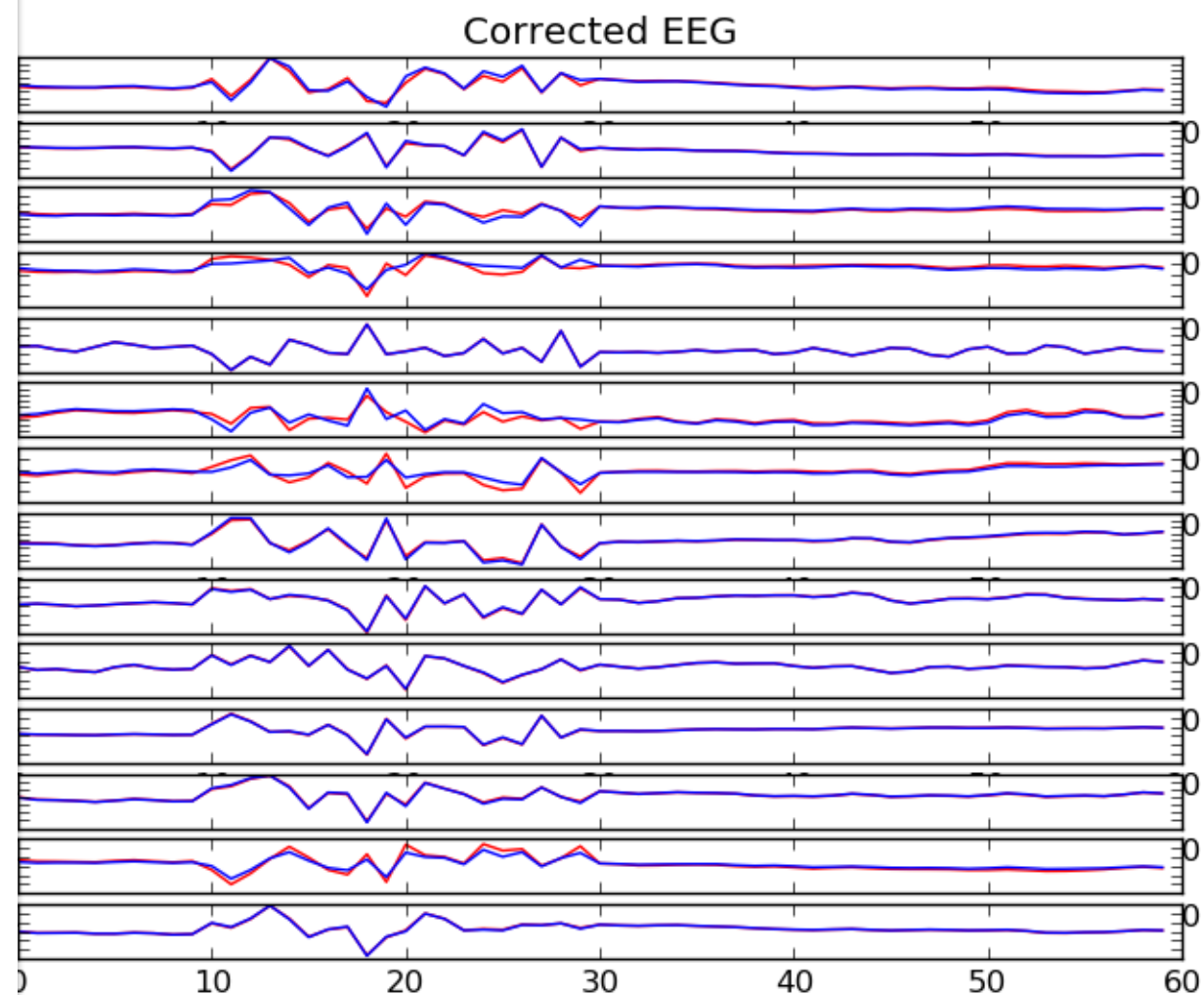
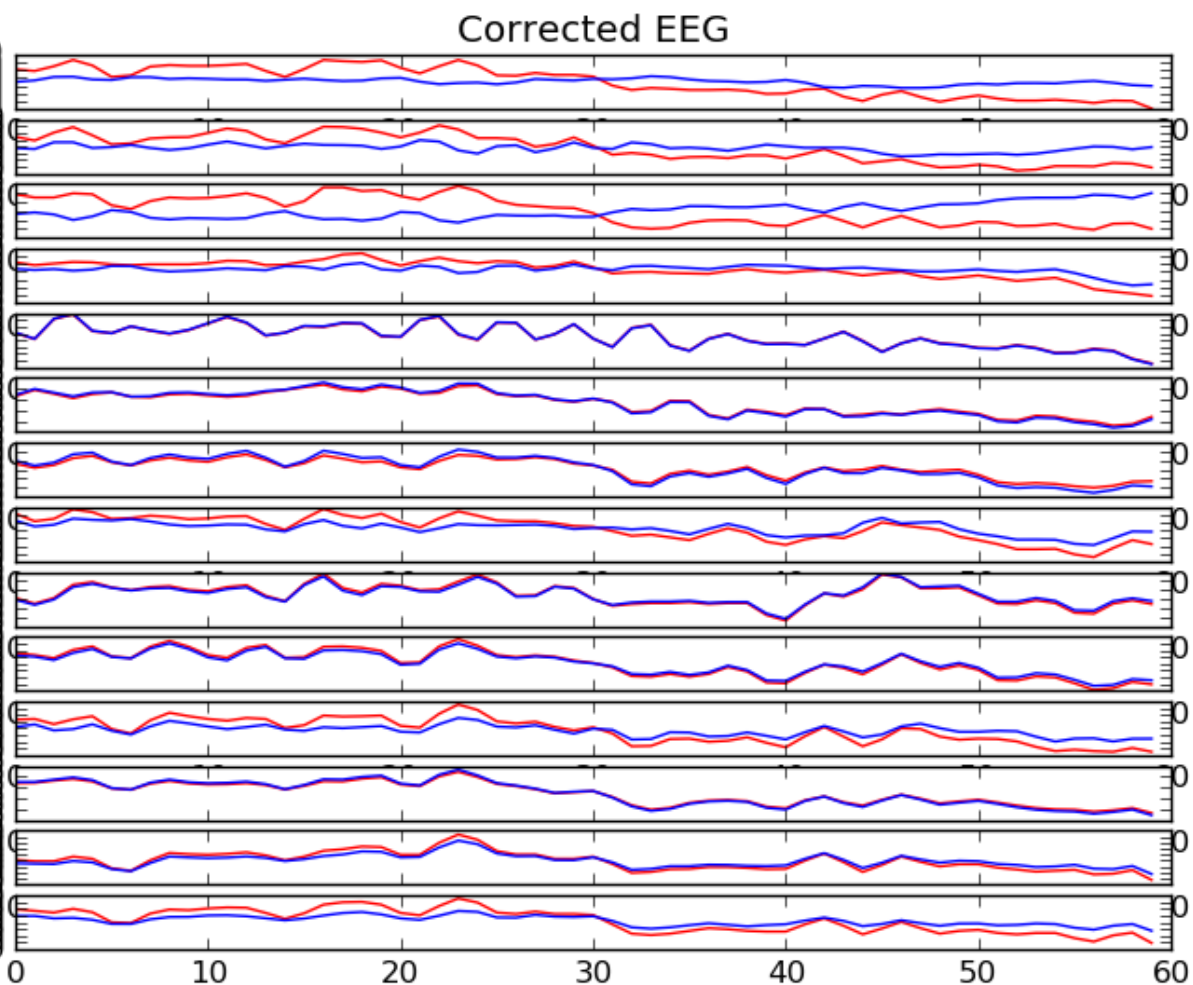
02460 Advanced Machine Learning

Artifact removal in EEG Data

What is our goal?



What did we do so far?



What do we plan to do now?

- Better artifact simulation
- Compare with other methods such as ICA
- Try real time artifact removal

Additional sources:

[2] Delorme, A., Kothe, C., Vankov, A., Bigdely-Shamlo, N., Oostenveld, R., Zander, T.O. and Makeig, S., 2010. MATLAB-based tools for BCI research. In *Brain-Computer Interfaces* (pp. 241-259). Springer London.

[3] Hsu, S.H., Mullen, T., Jung, T.P. and Cauwenberghs, G., 2015. Real-time Adaptive EEG Source Separation using Online Recursive Independent Component Analysis.