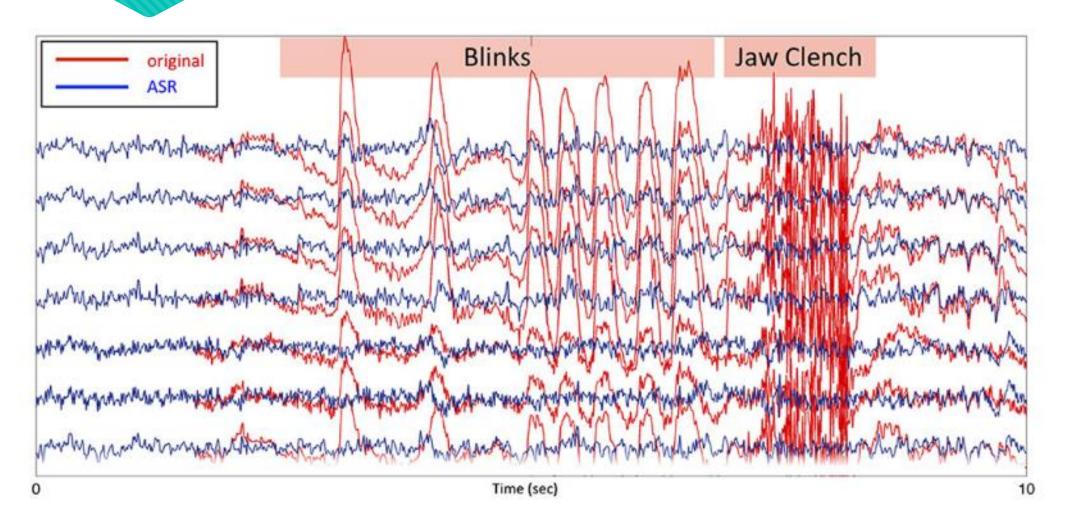
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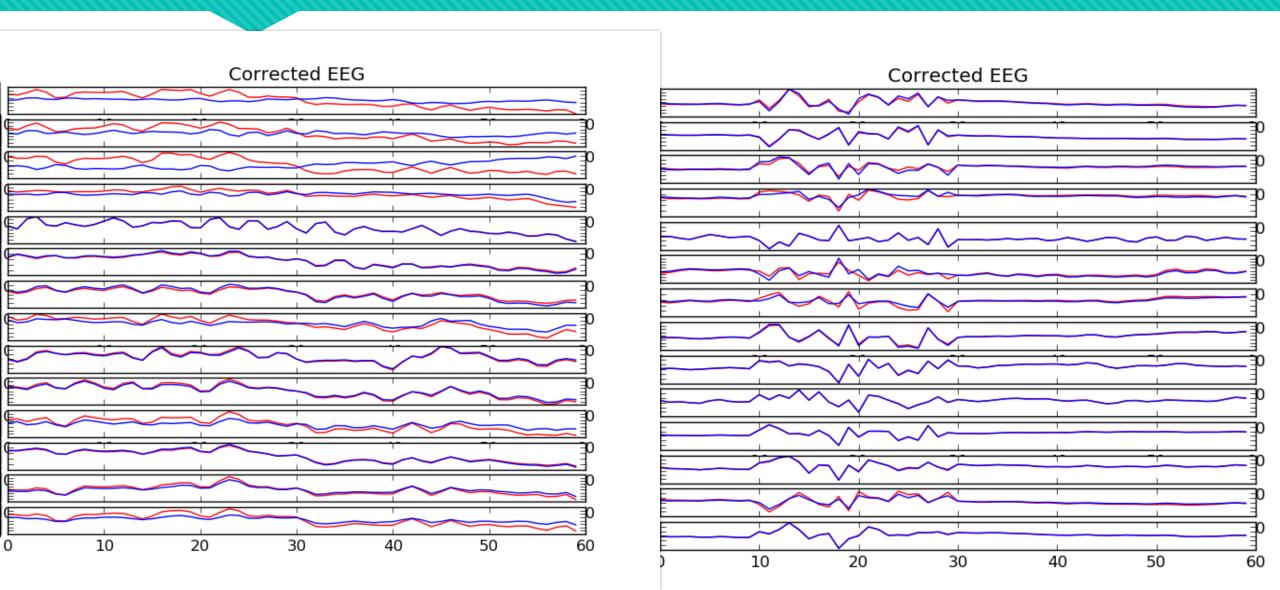
Artifact removal in EEG Data

What is our goal?



[1] Mullen, T.R., et al 2015. Real-time neuroimaging and cognitive monitoring using wearable dry EEG. Biomedical Engineering, IEEE Transactions on, 62(11), pp.2553-2567.)

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.