Master Thesis

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Machine learning for analysis of EEG signals in neurosciences.

Lemahieu Antoine

Faculté des Sciences
Université Libre de Bruxelles

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▶ MNELAB, a GUI for MNE (https://pypi.org/project/mnelab/)

   ▶ Creation of the project in june 2017
   ▶ First "official" release in june 2019
   ▶ 8 contributors but only 1 really work on the project
   ▶ Implemented features : ICA, filtering, event finding, epoching, referencing, croping, PSD, ERDS (ERSP)

Other tools (all based on MATLAB) :

- ▶ EEGLAB (https://sccn.ucsd.edu/eeglab/index.php)
- ▶ FieldTrip, limited GUI (https://www.fieldtriptoolbox.org/)
- ▶ Brainstorm
  (https://neuroimage.usc.edu/brainstorm/Introduction)
- ▶ Brain Vision Analyzer 2, not free
  (https://brainvision.com/products/analyzer-2/)