## EEGLAB

### feature comparison

GUI: yes Epochs: same length Syntax: parameter/value pairs

History: chronological log of all function calls (usually) Workspace: fills the workspace with "system" variables Group data: yes

* script ends up looking like a mix of settings and long function calls

### from the developers

https://sccn.ucsd.edu/wiki/EEGLAB\_and\_Fieldtrip

* developed before FieldTrip as an extension of Scott Makeig's ICA toolbox
* EEGLAB collaborated with FT author for dipole fitting (before FT was released)
* code for low-level routines is accessible
* EEGLAB has extensions
* EEGLAB has proper releases; FT releases continuously
* EEGLAB maintains backwards compatibility; FT doesn't prioritize this

### Take-home

* EEGLAB is a program/toolbox hybrid
* potentially easier than FT for working "live" in the command window
* perfect for learning MATLAB
  1. Use the GUI, don't need to know any MATLAB
  2. See the function calls that the GUI buttons run
  3. Use some GUI, some custom code, simultaneously
  4. Switch to custom-scripts-only for batch processing