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eeg2asc

- **Description**

Extracts data from an **.eeg** files and writes to a text file. The data is epoched around events defined in the parameter file.

- **Usage**

eeg2asc myeegfilein.eeg myposfile.pos myparfile.par myasciifileout
with :

- myeegfilein.eeg : input EEG file to process (with extension).
- myposfile.pos : input event file (with extension).
- myparfile.par : input parameter file (with extension).
- myasciifileout : output text file (with extension) containing concatenated epochs of data.
- options:
 - +v : verbose mode on. If omitted, verbose mode is off.

- **Fields of parameter file and examples**

nb_eventcode 2	Number of event codes to process.
list_eventcode 2 5	List of the event codes to process.
prestim_nbsample 400 800	List of the numbers of samples in the prestimulus period; one value for each event code.
poststim_nbsample 1000 1200	List of the numbers of samples in the poststimulus period; one value for each event code; the total number of samples of the analysis is prestim_nbsample + poststim_nbsample + 1, the extra sample corresponds to the event itself.
ep_channel_flag 1 1 0 1 0 0 0	List of the channels to average: 1/0 for selected/unselected channels; the total number of flags is N+2, N being the number of recorded channels in myeegfile.eeg file; the last 2 flags should be set to 0. In this example, N=5, and only channels number 1, 2, 4 will be averaged and stored in the output .p files.
ep_channel_ref 0 5 0 6 0 0 0	List of the new reference for each channel before averaging (bipolar montage for instance): 0: no change of the reference, ≠0: electrode number (rank) to which the current channel should be re-referenced. The total number of values is N+2, N being the number of recorded channels in myeegfile.eeg file; the last 2 flags should be set to 0. This field is optional. If omitted, the channels are not modified. In this example, N=5, and channel 1 is unchanged, channel 2 is referenced to channel 5, and channel 4 re-referenced to channel 6.

- **Example**

- **Comments**

- **Current version**

1.04 17-01-2012

- **History**

- 1.03 29-09-2010 (PEA) : update to use cmake and free release of Elan. Remove static allocation for reading EEG file header.
- 1.04 17-01-2012 (PEA) : fixes an error on event counters.

- **Files**

\$ELANPATH/bin/eeg2asc

- **See also**

Lyon Neuroscience Research Center - Brain Dynamic and Cognition team

CRNL



Source URL: <http://elan.lyon.inserm.fr/?q=eeg2asc>