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## eegval

- **Description**

Compute mean value of temporal window on each single trials. Values are written in text files (one file containing all single trials for each event code).

- **Usage**

```
eegval myeegfilein.eeg myeventfile.pos myparameterfile.par [-e] [-c] [-dc]
```

with :

- myeegfilein.eeg : input EEG file (with extension).
- myeventfile.pos : event file to process (with extension).
- myparameterfile.par : parameter file (with extension) containing parameters for value extraction.
- options :
  - -e : omit column titles in output file.
  - -c : compute mean of squares.
  - -dc : subtract baseline mean value before square.

- **Fields of parameter file and example**

fileprefix myfilename	Prefix of the output text files (suffix .single.val).
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 compute: 1/0 for selected/unselected channels; the total number of flags is N+2, N being the number of recorded channels in myeegfilein.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 computed and stored in the output text files.
single_lat_min 100 200	Value in msec of the beginning of the window to average for each event.
single_lat_max 150 300	Value in msec of the end of the window to average for each event.
single_base_min - 100 -100	Value in msec of the beginning of the baseline for each event (even if it is not used). The baseline is subtracted only in case of -dc option is set.
single_base_max - 50 -50	Value in msec of the end of the baseline for each event (even if it is not used). The baseline is subtracted only in case of -dc option is set.

- **Example**

- **Comments**

- **Current version**

3.13 24-09-2010

- **History**

- 3.12 13-01-2004 (PEA) : 1st version with documentation.
- 3.13 24-09-2010 (PEA) : update to use cmake and free release of Elan. Remove all static allocations. Change messages language to english.

- **Files**

\$ELANPATH/bin/eegval

- **See also**

Lyon Neuroscience Research Center - Brain Dynamic and Cognition team

**CRNL**

