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## eegrms

- **Description**

Computes sum of RMS values across trials from an EEG file.

- **Usage**

eegrms myeegfilein.eeg myeventfile.pos myparameterfile.par [+v]

with :

- myeegfilein.eeg : input EEG file (with extension).
- myeventfile.pos : event file to process (with extension).
- myparameterfile.par : parameter file (with extension) containing parameters.
- options :
  - +v : verbose mode on. If omitted, verbose mode is off.

- **Fields of parameter file and example**

fileprefix myfilename.rms	Prefix of the output files.
nb_eventcode 3	Number of event codes to process.
list_eventcode 10 12 19	List of the event codes to process.
prestim_nbsample 500 500 500	List of the numbers of samples in the prestimulus period; one value for each event code.
poststim_nbsample 1000 1000 1000	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 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 files.
baseline_eventcode 2 2	List of the event codes used to compute the baseline. 0: no baseline correction (default), ≠0: event code on which baseline will be computed. In this example, the baseline for event code 2 will be computed from event code 2, and the baseline of event code 5 from event code 2. This field is optional.
baseline_msec_start -200 -200	List of the baseline start latencies (in ms); one value for each event code; required only if baseline_eventcode≠0. If omitted and baseline_eventcode≠0, the baseline value is computed on the whole epoch.
baseline_msec_stop -50 -50	List of the baseline stop latencies (in ms); one value for each event code; required only if baseline_eventcode≠0. If omitted and baseline_eventcode≠0, the baseline value is computed on the whole epoch.
erpa_view 4	Value stored in all output .p file. It is used by erpa to set the default mapping view (see <a href="#">eegavg</a> <sup>[1]</sup> ). This field is optional. If omitted, it is set to 0, and erpa default will be top view.
erpa_positivity_up	Value stored in all output .p file to set the default upward/downward positivity orientation for

	curve display (by erpa). -1 (positivity down) or 1 (positivity up) This field is optional. If omitted, erpa will display curve with positivity down.
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- **Example**

- **Comments**

- **Current version**

1.13 27-09-2010

- **History**

- 1.12 12-01-2004 (PEA/CTB) : 1st documented version.
- 1.13 27-09-2010 (PEA) : update to use cmake and free release of Elan. Remove all static allocations. Change messages language to english.

- **Files**

\$ELANPATH/bin/eegrms

- **See also**

eegavg

Lyon Neuroscience Research Center - Brain Dynamic and Cognition team

**CRNL**



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

**Links:**

[1] <http://elan.lyon.inserm.fr/?q=node/56>