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## eegresample

- **Description**

Tool for resampling continuous data.

- **Usage**

```
eegresample myeegfile_in.eeg myeegfile_out.eeg new_sf
```

with :

- myeegfile\_in.eeg : input file to change reference (with extension).
- myeegfile\_out.eeg : output file (with extension).
- new\_sf : new sampling frequency (Hz).

- **Fields of parameter file and example**

- **Example**

- **Comments**

- When decimating data, to ensure that the sampling theorem is satisfied, a low-pass filter is used as an anti-aliasing filter to reduce the bandwidth of the signal before the signal is downsampled. For this, you must use [eegfiltfilt](#) [1] to filter EEG data before downsampling. The filter is a low-pass with a cutoff frequency less than  $\text{new\_sf}/2$ .
- The filtering is not computed by eegresample. You must first call [eegfiltfilt](#) [1] before downsampling data.

- **Current version**

3.03 04-05-2011

- **History**

- 3.02 29-09-2010 (PEA) : 1st documented version.
- 3.03 04-05-2011 (PEA) : adds more precision (10 decimals) in for saving sampling period in output header file.

- **Files**

`$ELANPATH/bin/eegresample`

- **See also**

[eegfiltfilt](#) [1]

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**CRNL**



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

**Links:**

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