seqefficiency

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1 Introduction

seqefficiency is a program measuring the efficiency of an event-related stimulus sequence. Requires matlab 5.2 or higher.

2 Usage

Typing seqefficiency at the command line without any options will give the following message:

```
USAGE: seqefficiency -p parfile -Ntp ntp [options]
   -p parfile  : name of the paradigm file
   -Ntp ntp    : Number of timepoints collected
Options:
   -TR    <float> : TR to use (2 sec)
   -TER   <float> : Temporal resolution of the estimate (TR)
   -timewindow <float> : Time Window to use (20 sec)
   -monly         : generate matlab file only
```

3 Command-line Arguments

-p parfile : name of the paradigm file in which the sequence is located.

-Ntp ntp: number of scans or time-points to be collected for each run.

-TR TR: temporal resolution of the fMRI scans (ie, the time between scans) in seconds.

-TER TER: temporal resolution of the estimate of the hemodynamic response in seconds. The stimuli will be presented at increments of the TER. Default is to set the TER to the TR.

-timewindow ¡float¿: time window in seconds over which the hemodynamic response will be estimated. Default is 20 sec.

-monly: only generate the matlab file which would accomplish the analysis but do not actually execute it. This is mainly good for debugging purposes.

4 Output

seqefficiency prints the efficiency measure to the standard output.