Resource Summary Report

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EEG Motor Movement/Imagery Dataset

RRID:SCR_004858
Type: Tool

Proper Citation

EEG Motor Movement/Imagery Dataset (RRID:SCR_004858)

Resource Information

URL: http://www.physionet.org/pn4/eegmmidb/

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Description: Data set of over 1500 one- and two-minute EEG recordings, obtained from 109 volunteers. Subjects performed different motor/imagery tasks while 64-channel EEG were recorded using the BCI2000 system (http://www.bci2000.org). Each subject performed 14 experimental runs: two one-minute baseline runs (one with eyes open, one with eyes closed), and three two-minute runs of each of the four following tasks: # A target appears on either the left or the right side of the screen. The subject opens and closes the corresponding fist until the target disappears. Then the subject relaxes. # A target appears on either the left or the right side of the screen. The subject imagines opening and closing the corresponding fist until the target disappears. Then the subject relaxes. # A target appears on either the top or the bottom of the screen. The subject opens and closes either both fists (if the target is on top) or both feet (if the target is on the bottom) until the target disappears. Then the subject relaxes. # A target appears on either the top or the bottom of the screen. The subject imagines opening and closing either both fists (if the target is on top) or both feet (if the target is on the bottom) until the target disappears. Then the subject relaxes. The data are provided here in EDF+ format (containing 64 EEG signals, each sampled at 160 samples per second, and an annotation channel).

Abbreviations: EEG Motor Movement/Imagery Dataset

Synonyms: EEG Motor Movement / Imagery Dataset

Resource Type: data or information resource, data set

Defining Citation: PMID:15188875

Keywords: eeg, recording, motor, movement, imagery, eyes open, eyes closed, task, open fist, closed fist

Funding: NIBIB EB006356;
NIBIB EB00856

Availability: Acknowledgement requested

Resource Name: EEG Motor Movement/Imagery Dataset

Resource ID: SCR_004858

Alternate IDs: nlx_84003

Record Creation Time: 20220129T080226+0000

Record Last Update: 20250507T060254+0000

Ratings and Alerts

No rating or validation information has been found for EEG Motor Movement/Imagery Dataset.

No alerts have been found for EEG Motor Movement/Imagery Dataset.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 4 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET.

Cavanagh JF, et al. (2017) The Patient Repository for EEG Data + Computational Tools (PRED+CT). Frontiers in neuroinformatics, 11, 67.

Obeid I, et al. (2016) The Temple University Hospital EEG Data Corpus. Frontiers in neuroscience, 10, 196.

Gerber S, et al. (2015) Improving clustering by imposing network information. Science advances, 1(7), e1500163.

Dinov I, et al. (2010) Neuroimaging study designs, computational analyses and data provenance using the LONI pipeline. PloS one, 5(9).