

Resource Summary Report

Generated by [SPARC SAWG](#) on Sep 18, 2026

EEG Database

RRID:SCR_001581

Type: Tool

Proper Citation

EEG Database (RRID:SCR_001581)

Resource Information

URL: <http://archive.ics.uci.edu/ml/datasets/EEG+Database>

Proper Citation: EEG Database (RRID:SCR_001581)

Description: Data set from a large study to examine EEG correlates of genetic predisposition to alcoholism. It contains measurements from 64 electrodes placed on the scalp sampled at 256 Hz (3.9-msec epoch) for 1 second. There were two groups of subjects: alcoholic and control. Each subject was exposed to either a single stimulus (S1) or to two stimuli (S1 and S2) which were pictures of objects chosen from the 1980 Snodgrass and Vanderwart picture set. When two stimuli were shown, they were presented in either a matched condition where S1 was identical to S2 or in a non-matched condition where S1 differed from S2. There were 122 subjects and each subject completed 120 trials where different stimuli were shown. The electrode positions were located at standard sites (Standard Electrode Position Nomenclature, American Electroencephalographic Association 1990). Zhang et al. (1995) describes in detail the data collection process. There are three versions of the EEG data set. * The Small Data Set (smni97_eeg_data.tar.gz) contains data for the 2 subjects, alcoholic a_co2a0000364 and control c_co2c0000337. For each of the 3 matching paradigms, c_1 (one presentation only), c_m (match to previous presentation) and c_n (no-match to previous presentation), 10 runs are shown. * The Large Data Set (SMNI_CMI_TRAIN.tar.gz and SMNI_CMI_TEST.tar.gz) contains data for 10 alcoholic and 10 control subjects, with 10 runs per subject per paradigm. The test data used the same 10 alcoholic and 10 control subjects as with the training data, but with 10 out-of-sample runs per subject per paradigm. * The Full Data Set contains all 120 trials for 122 subjects. The entire set of data is about 700 MBytes.

Abbreviations: EEG Database

Synonyms: EEG Database Data Set

Resource Type: data or information resource, data set

Defining Citation: [PMID:8590074](#)

Keywords: genetic predisposition, eeg, gene, heredity, picture, stimuli, match, non-match

Related Condition: Alcoholism, Alcoholic, Control

Availability: Free, Freely available

Resource Name: EEG Database

Resource ID: SCR_001581

Alternate IDs: nlx_153818

Alternate URLs: <http://kdd.ics.uci.edu/databases/eeg/eeg.html>

Record Creation Time: 20220129T080208+0000

Record Last Update: 20260912T200312+0000

Ratings and Alerts

No rating or validation information has been found for EEG Database.

No alerts have been found for EEG Database.

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 [SPARC SAWG](#) .

Liu Q, et al. (2025) Finite mixtures of functional graphical models: Uncovering heterogeneous dependencies in high-dimensional data. PloS one, 20(1), e0316458.

Al-Hadeethi H, et al. (2021) An Eigenvalues-Based Covariance Matrix Bootstrap Model Integrated With Support Vector Machines for Multichannel EEG Signals Analysis. Frontiers in neuroinformatics, 15, 808339.

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

Mickley Steinmetz KR, et al. (2010) Meeting the challenge of preparing undergraduates for careers in cognitive neuroscience. Journal of undergraduate neuroscience education : JUNE : a publication of FUN, Faculty for Undergraduate Neuroscience, 9(1), A36.