

Resource Summary Report

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Bern-Barcelona EEG database

RRID:SCR_001582

Type: Tool

Proper Citation

Bern-Barcelona EEG database (RRID:SCR_001582)

Resource Information

URL: https://www.upf.edu/web/ntsa/downloads/-/asset_publisher/xvT6E4pczrBw/content/2012-nonrandomness-nonlinear-dependence-and-nonstationarity-of-electroencephalographic-recordings-from-epilepsy-patients

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Description: THIS RESOURCE IS NO LONGER IN SERVICE, documented November 23, 2020; EEG data set, source code, and results from 7500 signal pairs from 5 epilepsy patients analyzed in the manuscript, Andrzejak RG, Schindler K, Rummel C. Nonrandomness, nonlinear dependence, and nonstationarity of electroencephalographic recordings from epilepsy patients. Phys. Rev. E, 86, 046206, 2012. All Matlab source codes are included in the file ASR_Sources_2012_10_16.zip. The clinical purpose of these recordings was to delineate the brain areas to be surgically removed in each individual patient in order to achieve seizure control.

Abbreviations: Bern-Barcelona EEG database

Resource Type: data or information resource, data set, software resource, source code

Defining Citation: [PMID:23214662](#)

Keywords: eeg, electroencephalogram, epilepsy, intracranial, eeg recording, signal, analysis, time series, nonlinear, surrogate signal, surrogate, matlab, focal, non-focal, signal

Related Condition: Epilepsy, Pharmacoresistant focal-onset epilepsy, Seizure

Funding: Spanish Ministry of Education and Science grant FIS-2010-18204;
Swiss National Science Foundation SNF 320030-122010;
Swiss National Science Foundation SNF 33CM30-124089

Availability: Free, Available for download, Freely available

Resource Name: Bern-Barcelona EEG database

Resource ID: SCR_001582

Alternate IDs: nlx_153819

Old URLs: <http://ntsa.upf.edu/downloads/andrzejak-rg-schindler-k-rummel-c-2012-nonrandomness-nonlinear-dependence-and>, <http://www.dtic.upf.edu/~ralph/sc/>

Record Creation Time: 20220129T080208+0000

Record Last Update: 20260829T182828+0000

Ratings and Alerts

No rating or validation information has been found for Bern-Barcelona EEG database.

No alerts have been found for Bern-Barcelona EEG database.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#).

Tayyib M, et al. (2020) Accelerated sparsity based reconstruction of compressively sensed multichannel EEG signals. PloS one, 15(1), e0225397.

Gao Z, et al. (2018) Automatic Change Detection for Real-Time Monitoring of EEG Signals. Frontiers in physiology, 9, 325.

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