

Resource Summary Report

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Sleep-EDF Database

RRID:SCR_006976

Type: Tool

Proper Citation

Sleep-EDF Database (RRID:SCR_006976)

Resource Information

URL: <http://www.physionet.org/physiobank/database/sleep-edf/>

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Description: Sleep EEG dataset from 8 subjects in European Data Format (EDF) including original recordings and their hypnograms as described in B Kemp, AH Zwinderman, B Tuk, HAC Kamphuisen, JJL Obery??. Analysis of a sleep-dependent neuronal feedback loop: the slow-wave microcontinuity of the EEG. IEEE-BME 47(9):1185-1194 (2000). The recordings were obtained from Caucasian males and females (21 - 35 years old) without any medication; they contain horizontal EOG, FpzCz and PzOz EEG, each sampled at 100 Hz. The sc* recordings also contain the submental-EMG envelope, oro-nasal airflow, rectal body temperature and an event marker, all sampled at 1 Hz. The st* recordings contain submental EMG sampled at 100 Hz and an event marker sampled at 1 Hz. The 4 sc* recordings were obtained in 1989 from ambulatory healthy volunteers during 24 hours in their normal daily life, using a modified cassette tape recorder. The 4 st* recordings were obtained in 1994 from subjects who had mild difficulty falling asleep but were otherwise healthy, during a night in the hospital, using a miniature telemetry system with very good signal quality.

Abbreviations: Sleep-EDF Database

Synonyms: Sleep Recordings and Hypnograms in European Data Format (EDF), Sleep Recordings and Hypnograms in European Data Format

Resource Type: data set, data or information resource

Defining Citation: [PMID:11008419](#)

Keywords: eeg, sleep, male, female, hypnogram, european data format, early adult human, caucasian, recording

Related Condition: Difficulty falling asleep, Healthy

Funding:

Availability: Acknowledgement requested

Resource Name: Sleep-EDF Database

Resource ID: SCR_006976

Alternate IDs: nlx_153823

Record Creation Time: 20220129T080239+0000

Record Last Update: 20250517T055802+0000

Ratings and Alerts

No rating or validation information has been found for Sleep-EDF Database.

No alerts have been found for Sleep-EDF Database.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

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.