Resource Summary Report

Generated by dkNET on May 10, 2025

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 or information resource, data set

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: 20250507T060445+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 dkNET.

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.