

Resource Summary Report

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Neurokit2

RRID:SCR_021889

Type: Tool

Proper Citation

Neurokit2 (RRID:SCR_021889)

Resource Information

URL: <https://neurokit2.readthedocs.io/en/latest/>

Proper Citation: Neurokit2 (RRID:SCR_021889)

Description: Software Python package for neurophysiological signal processing. Used to analyze physiological data.

Resource Type: software toolkit, software resource

Defining Citation: [PMID:33528817](#)

Keywords: neurophysiological signal processing, analyze physiological data

Availability: Free, Available for download, Freely available

Resource Name: Neurokit2

Resource ID: SCR_021889

Alternate URLs: <https://github.com/neuropsychology/NeuroKit>

License: MIT license

Record Creation Time: 20220421T050137+0000

Record Last Update: 20260819T044537+0000

Ratings and Alerts

No rating or validation information has been found for Neurokit2.

No alerts have been found for Neurokit2.

Data and Source Information

Usage and Citation Metrics

We found 111 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Yi W, et al. (2026) Respiratory Synchrony and Individual Differences Causally Influence Dyadic Interpersonal Coordination. *Psychophysiology*, 63(2), e70254.

Nöring V, et al. (2026) Bridging Lab and Life: A Dual-Person Paradigm for Social Interaction Research. *Psychophysiology*, 63(4), e70292.

Cinetto S, et al. (2026) Further evidence for embodied cognition: The link between spontaneous respiratory oscillations and number processing. *PloS one*, 21(6), e0351764.

Weng TB, et al. (2026) Predicting Breath Hold Task Compliance From Head Motion. *Journal of magnetic resonance imaging : JMRI*, 63(1), 183.

Uryga A, et al. (2026) Impact of positive end-expiratory pressure on autonomic nervous system activity and its interaction with cerebrovascular reactivity - an experimental study. *Journal of clinical monitoring and computing*, 40(3), 703.

Uendes B, et al. (2026) Electrocardiogram-Based Mental Stress Detection Amid Everyday Activities Using Machine Learning: Model Development and Validation Study. *Journal of medical Internet research*, 28, e80450.

Goutham S, et al. (2026) Yoga for Opioid Withdrawal and Autonomic Regulation: A Randomized Clinical Trial. *JAMA psychiatry*, 83(3), 238.

Gader MA, et al. (2026) LightGBM-Based Classification of Heart Failure Phenotypes Using Morpho-Energy Features from High-Resolution ECG. *Sensors (Basel, Switzerland)*, 26(11).

Pykäri J, et al. (2026) Severe aortic stenosis detection using seismocardiography. *Open heart*, 13(1).

Silva LEV, et al. (2026) Prediction of neurological outcome after pediatric cardiac arrest using heart rate variability and machine learning. *Resuscitation*, 219, 110961.

Lindi HA, et al. (2026) Interpretable Feature-Transformer Framework for Cross-Subject MCI Detection Using Nonlinear Dynamical and Graph-Theoretic EEG Features. *Research square*.

Gozansky E, et al. (2026) The involvement of attentional biases in endogenous pain inhibition and autonomic reactivity. *PloS one*, 21(2), e0342113.

Han C, et al. (2026) Electrocardiogram-based deep learning score for coronary artery calcification reclassifies cardiovascular risk and identifies screening candidates. *BMC medical informatics and decision making*, 26(1).

Ha J, et al. (2026) Noninvasive Detection of Acute Hyperglycemia Using Signal from Wearable ECG Sensors Considering Individual HRV Response Delays to Glucose. *Biosensors*, 16(5).

Barletta V, et al. (2026) Reliable ECG monitoring during rest and exercise: a pilot comparative validation of a wearable single-lead band. *European heart journal. Imaging methods and practice*, 4(1), qyag109.

Rahman S, et al. (2026) Design and evaluation of a knowledge-based ECG noise filtering framework. *Scientific reports*, 16(1), 2429.

Genc S, et al. (2026) Tracking Flow in Real Time: Continuous Measurement of Game-Induced Flow in Virtual Reality. *Psychophysiology*, 63(4), e70283.

von der Ohe T, et al. (2026) Detection and characterization of physiological network interactions in pulsatile motion of cranial blood vessels using real-time MRI. *Frontiers in network physiology*, 6, 1701638.

Meng Y, et al. (2026) Interpretable machine learning with SHAP predicts honest behavior from personality traits and physiological data. *Scientific reports*, 16(1).

Lotter LD, et al. (2026) Linking human brain functional connectivity to underlying neurotransmission. *bioRxiv : the preprint server for biology*.