Resource Summary Report

Generated by RRID on Apr 9, 2025

DRIFTER

RRID:SCR_014937
Type: Tool

Proper Citation

DRIFTER (RRID:SCR_014937)

Resource Information

URL: http://becs.aalto.fi/en/research/bayes/drifter/

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Description: Model based Bayesian method for eliminating physiological noise from fMRI data. This algorithm uses image voxel analysis to isolate the cardiac and respiratory noise from the relevant data.

Synonyms: DRIFTER Toolbox

Resource Type: image analysis software, software resource, data processing software, software application

Defining Citation: PMID:22281675

Keywords: bayesian, physiological noise, fMRI, algorithm, cardiac, respiratory, image anaylsis, bold signal

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National Science Council Taiwan NSC 100-2325-B-002-046;
National Health Research Institute Taiwan NHRI-EX100-9715EC;
Academy of Finland 124698;

Academy of Finland 125349;
Academy of Finland 127624;
Academy of Finland 129670;
Academy of Finland 218054;
Academy of Finland 218248

Availability: Free, Available for download, Acknowledgement requested

Resource Name: DRIFTER

Resource ID: SCR_014937

License: GNU General Public License version 3

Record Creation Time: 20220129T080323+0000

Record Last Update: 20250409T061237+0000

Ratings and Alerts

No rating or validation information has been found for DRIFTER.

No alerts have been found for DRIFTER.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 25 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID.

Meylakh N, et al. (2024) Altered Corticobrainstem Connectivity during Spontaneous Fluctuations in Pain Intensity in Painful Trigeminal Neuropathy. eNeuro, 11(7).

Crawford LS, et al. (2023) Function and biochemistry of the dorsolateral prefrontal cortex during placebo analgesia: how the certainty of prior experiences shapes endogenous pain relief. Cerebral cortex (New York, N.Y. : 1991), 33(17), 9822.

Jaatela J, et al. (2023) Limb-specific thalamocortical tracts are impaired differently in hemiplegic and diplegic subtypes of cerebral palsy. Cerebral cortex (New York, N.Y. : 1991), 33(19), 10245.

Saarimäki H, et al. (2022) Classification of emotion categories based on functional connectivity patterns of the human brain. NeuroImage, 247, 118800.

Mungoven TJ, et al. (2022) Alterations in pain processing circuitries in episodic migraine. The journal of headache and pain, 23(1), 9.

Meylakh N, et al. (2022) Exploring alterations in sensory pathways in migraine. The journal of headache and pain, 23(1), 5.

Lee B, et al. (2022) Altered basal ganglia infraslow oscillation and resting functional connectivity in complex regional pain syndrome. Journal of neuroscience research, 100(7), 1487.

Suvilehto JT, et al. (2021) Relationship-specific Encoding of Social Touch in Somatosensory and Insular Cortices. Neuroscience, 464, 105.

Deng L, et al. (2021) Age-related dedifferentiation and hyperdifferentiation of perceptual and mnemonic representations. Neurobiology of aging, 106, 55.

Wang W, et al. (2021) Noradrenergic correlates of chronic cocaine craving: neuromelanin and functional brain imaging. Neuropsychopharmacology : official publication of the American College of Neuropsychopharmacology, 46(4), 851.

Mills EP, et al. (2020) Altered Brainstem Pain-Modulation Circuitry Connectivity During Spontaneous Pain Intensity Fluctuations. Journal of pain research, 13, 2223.

Di Pietro F, et al. (2020) Altered resting activity patterns and connectivity in individuals with complex regional pain syndrome. Human brain mapping, 41(13), 3781.

Bacha-Trams M, et al. (2020) Social perspective-taking shapes brain hemodynamic activity and eye movements during movie viewing. Social cognitive and affective neuroscience, 15(2), 175.

Yoshikawa A, et al. (2020) Heart Rate and Respiration Affect the Functional Connectivity of Default Mode Network in Resting-State Functional Magnetic Resonance Imaging. Frontiers in neuroscience, 14, 631.

Geugies H, et al. (2019) Impaired reward-related learning signals in remitted unmedicated patients with recurrent depression. Brain : a journal of neurology, 142(8), 2510.

Tikka P, et al. (2018) Narrative comprehension beyond language: Common brain networks activated by a movie and its script. PloS one, 13(7), e0200134.

Yu K, et al. (2018) Hyperspectral Canopy Sensing of Wheat Septoria Tritici Blotch Disease. Frontiers in plant science, 9, 1195.

Bacha-Trams M, et al. (2018) A drama movie activates brains of holistic and analytical thinkers differentially. Social cognitive and affective neuroscience, 13(12), 1293.

Fassbender C, et al. (2017) Minimizing noise in pediatric task-based functional MRI; Adolescents with developmental disabilities and typical development. NeuroImage, 149, 338.

Bacha-Trams M, et al. (2017) Differential inter-subject correlation of brain activity when kinship is a variable in moral dilemma. Scientific reports, 7(1), 14244.