Resource Summary Report

Generated by NIF on Apr 26, 2025

REX

RRID:SCR_002532

Type: Tool

Proper Citation

REX (RRID:SCR_002532)

Resource Information

URL: https://www.nitrc.org/projects/rex/

Proper Citation: REX (RRID:SCR_002532)

Description: A stand-alone MATLAB-based toolkit for the rapid and flexible exploration of Region of Interest (ROI) response waveforms and other signals from across large fMRI datasets. An alpha-release is currently available for use with an example dataset and tutorial.

Abbreviations: REX

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

Keywords: analyze, linux, macos, matlab, magnetic resonance, nifti, posix/unix-like, time domain analysis, visualization, workflow, region of interest, fmri

Funding:

Availability: GNU General Public License

Resource Name: REX

Resource ID: SCR_002532

Alternate IDs: nlx_155937

Alternate URLs: http://www.nitrc.org/projects/rex

Old URLs: http://www.neuroimaging.org.au/nig/rex

Record Creation Time: 20220129T080213+0000

Record Last Update: 20250426T055553+0000

Ratings and Alerts

No rating or validation information has been found for REX.

No alerts have been found for REX.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 33 mentions in open access literature.

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

You B, et al. (2024) Pain resilience dimensions and regional gray matter volume as risk factors for poor outcomes of chronic pain: a prospective cohort study. Psychological medicine, 54(13), 1.

Shields GS, et al. (2024) Heightened neural activity and functional connectivity responses to social rejection in female adolescents at risk for depression: Testing the Social Signal Transduction Theory of Depression. Journal of affective disorders, 345, 467.

You B, et al. (2024) Resting-state brain activity as a biomarker of chronic pain impairment and a mediator of its association with pain resilience. Human brain mapping, 45(10), e26780.

Pilotto A, et al. (2024) Insular monoaminergic deficits in prodromal ?-synucleinopathies. Annals of clinical and translational neurology, 11(11), 2836.

Boccalini C, et al. (2024) The diagnostic and prognostic value of tau-PET in amnestic MCI with different FDG-PET subtypes. Annals of clinical and translational neurology, 11(5), 1236.

Vucurovic K, et al. (2023) Activation of the left medial temporal gyrus and adjacent brain areas during affective theory of mind processing correlates with trait schizotypy in a nonclinical population. Social cognitive and affective neuroscience, 18(1).

Gruzman R, et al. (2023) Investigation of Neurofunctional Changes Over the Course of Electroconvulsive Therapy. The international journal of neuropsychopharmacology, 26(1), 20.

Domke AK, et al. (2023) Functional connectivity changes between amygdala and prefrontal

cortex after ECT are associated with improvement in distinct depressive symptoms. European archives of psychiatry and clinical neuroscience, 273(7), 1489.

Mäki-Marttunen V, et al. (2023) Functional connectivity of the visual cortex in chronic migraine before and after medication withdrawal therapy. NeuroImage. Clinical, 40, 103543.

Weigand A, et al. (2022) Predicting Antidepressant Effects of Ketamine: the Role of the Pregenual Anterior Cingulate Cortex as a Multimodal Neuroimaging Biomarker. The international journal of neuropsychopharmacology, 25(12), 1003.

Boccalini C, et al. (2022) Gender differences in dopaminergic system dysfunction in de novo Parkinson's disease clinical subtypes. Neurobiology of disease, 167, 105668.

Kaiser A, et al. (2022) A Developmental Perspective on Facets of Impulsivity and Brain Activity Correlates From Adolescence to Adulthood. Biological psychiatry. Cognitive neuroscience and neuroimaging, 7(11), 1103.

Di Cesare G, et al. (2021) The middle cingulate cortex and dorso-central insula: A mirror circuit encoding observation and execution of vitality forms. Proceedings of the National Academy of Sciences of the United States of America, 118(44).

Ascone L, et al. (2021) A longitudinal, randomized experimental pilot study to investigate the effects of airborne ultrasound on human mental health, cognition, and brain structure. Scientific reports, 11(1), 5814.

Pravatà E, et al. (2021) Migraine in Multiple Sclerosis Patients Affects Functional Connectivity of the Brain Circuitry Involved in Pain Processing. Frontiers in neurology, 12, 690300.

Blomberg R, et al. (2021) The Effects of Working Memory Load on Auditory Distraction in Adults With Attention Deficit Hyperactivity Disorder. Frontiers in human neuroscience, 15, 771711.

Hildebrandt MK, et al. (2021) Brain activation during social cognition predicts everyday perspective-taking: A combined fMRI and ecological momentary assessment study of the social brain. NeuroImage, 227, 117624.

Hartling C, et al. (2021) Comparison of Four fMRI Paradigms Probing Emotion Processing. Brain sciences, 11(5).

Kim S, et al. (2021) Reconciliation of Two Cognitive Models in Obsessive-Compulsive Disorder: An fMRI Study. Psychiatry investigation, 18(6), 545.

Ascone L, et al. (2021) A longitudinal, randomized experimental pilot study to investigate the effects of airborne infrasound on human mental health, cognition, and brain structure. Scientific reports, 11(1), 3190.