Resource Summary Report

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NeuroSynth

RRID:SCR_006798
Type: Tool

Proper Citation

NeuroSynth (RRID:SCR_006798)

Resource Information

URL: http://neurosynth.org

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Description: Platform for large-scale, automated synthesis of functional magnetic resonance imaging (fMRI) data extracted from published articles. It''s a website wrapped around a set of open-source Python and JavaScript packages. Neurosynth lets you run crude but useful analyses of fMRI data on a very large scale. You can: * Interactively visualize the results of over 3,000 term-based meta-analyses * Select specific locations in the human brain and view associated terms * Browse through the nearly 10,000 studies in the database Their ultimate goal is to enable dynamic real-time analysis, so that you''ll be able to select foci, tables, or entire studies for analysis and run a full-blown meta-analysis without leaving your browser. You''ll also be able to do things like upload entirely new images and obtain probabilistic estimates of the cognitive states most likely to be associated with the image.

Abbreviations: Neurosynth

Synonyms: Neurosynth.org

Resource Type: data or information resource, software resource, database, source code

Defining Citation: PMID:21706013

Keywords: activation foci, magnetic resonance imaging assay, brain, human, fmri, neuroimaging, python, image, functional neuroimaging, FASEB list

Funding: NIMH R01MH096906

Availability: Neurosynth Automated Coordinate Extraction (ACE) tools under, Open unspecified license, Open Software License, v3, Http://www.nitrc.org/include/glossary.php#552, Software is, Free, Copyright and permission notice required

Resource Name: NeuroSynth

Resource ID: SCR_006798

Alternate IDs: nlx_55906

Alternate URLs: http://www.nitrc.org/projects/neurosynth, https://github.com/tyarkoni/neurosynth

Record Creation Time: 20220129T080238+0000

Record Last Update: 20260731T042730+0000

Ratings and Alerts

No rating or validation information has been found for NeuroSynth.

No alerts have been found for NeuroSynth.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 1174 mentions in open access literature.

Listed below are recent publications. The full list is available at kravitz2 .

Germani E, et al. (2025) HCP Multi-Pipeline: a derived dataset to investigate analytical variability in fMRI. Scientific data, 12(1), 940.

Jacobsen NSJ, et al. (2025) Preprocessing choices for P3 analyses with mobile EEG: A systematic literature review and interactive exploration. Psychophysiology, 62(1), e14743.

Edwards G, et al. (2025) No facilitatory effects of transcranial random noise stimulation on motion processing: A registered report. bioRxiv : the preprint server for biology.

Mathew J, et al. (2025) Closed-Loop Infraslow Brain-Computer Interface can Modulate Cortical Activity and Connectivity in Individuals With Chronic Painful Knee Osteoarthritis: A Secondary Analysis of a Randomized Placebo-Controlled Clinical Trial. Clinical EEG and neuroscience, 56(2), 165.

Chuikova ZV, et al. (2025) Mapping common and distinct brain correlates among cognitive flexibility tasks: concordant evidence from meta-analyses. Brain imaging and behavior, 19(1), 50.

Mckeown B, et al. (2025) Self-reports map the landscape of task states derived from brain imaging. Communications psychology, 3(1), 8.

Higuchi Y, et al. (2025) The role of memory in affirming-the-consequent fallacy. iScience, 28(2), 111889.

Hirao T, et al. (2025) A neuroimaging dataset during sequential color qualia similarity judgments with and without reports. Scientific data, 12(1), 389.

Luppi AI, et al. (2025) General anaesthesia decreases the uniqueness of brain functional connectivity across individuals and species. Nature human behaviour, 9(5), 987.

Li Y, et al. (2025) The neural correlates of logical-mathematical symbol systems processing resemble those of spatial cognition more than language processing. iScience, 28(4), 112016.

Zhu Z, et al. (2025) Innate network mechanisms of temporal pole for semantic cognition in neonatal and adult twin studies. Nature communications, 16(1), 3835.

Riccardi N, et al. (2025) Distinct brain age gradients across the adult lifespan reflect diverse neurobiological hierarchies. Communications biology, 8(1), 802.

Kang H, et al. (2025) Neural representations in MPFC and insula encode individual differences in estimating others' preferences. Social cognitive and affective neuroscience, 20(1).

Zheng L, et al. (2025) Newly trained navigation and verbal memory skills elicit changes in task-related networks but not brain structure. bioRxiv : the preprint server for biology.

Rezaei A, et al. (2025) Transfer of motor learning is associated with patterns of activity in the default mode network. PLoS biology, 23(8), e3003268.

Wolfe T, et al. (2025) "Population-level age effects on the white matter structure subserving cognitive flexibility in the human brain". bioRxiv : the preprint server for biology.

Wang Y, et al. (2025) Evolutionary Convergence of the Arcuate Fasciculus in Marmosets and Humans. bioRxiv : the preprint server for biology.

Reddan MC, et al. (2025) Neural signatures of emotional intent and inference align during social consensus. Nature communications, 16(1), 6156.

Ahn J, et al. (2025) Baseline physical activity moderates brain-behaviour relationships in response to framed health messages. Social cognitive and affective neuroscience, 20(1).

Xiayan C, et al. (2025) Unraveling Hierarchical Brain Dysfunction in Major Depressive Disorder: A Multimodal Imaging and Transcriptomic Approach. Human brain mapping, 46(10), e70277.