

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

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: 20250514T061415+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 1017 mentions in open access literature.

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

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

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

He Y, et al. (2025) Diverse Frontoparietal Connectivity Supports Semantic Prediction and Integration in Sentence Comprehension. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 45(5).

Gong L, et al. (2025) Sex-Specific Entorhinal Cortex Functional Connectivity in Cognitively Normal Older Adults with Amyloid-? Pathology. *Molecular neurobiology*, 62(1), 475.

Moreno-Rodriguez S, et al. (2025) The human reward system encodes the subjective value of ideas during creative thinking. *Communications biology*, 8(1), 37.

Quah SKL, et al. (2025) A data-driven latent variable approach to validating the research domain criteria framework. *Nature communications*, 16(1), 830.

Lee DH, et al. (2025) Decoding pain: uncovering the factors that affect the performance of neuroimaging-based pain models. *Pain*, 166(2), 360.

van Stee A, et al. (2025) Apples and oranges: Conceptual review as task analysis method. *The European journal of neuroscience*, 61(1), e16623.

Tahedi M, et al. (2025) Domain-Specific Prediction of Clinical Progression in Parkinson's Disease Using the Mosaic Approach. *Brain and behavior*, 15(1), e70289.

Wallace RS, et al. (2025) Mapping patterns of thought onto brain activity during movie-watching. *eLife*, 13.

Gonzalez Alam TRJ, et al. (2025) A double dissociation between semantic and spatial cognition in visual to default network pathways. *eLife*, 13.

Liu L, et al. (2025) Tripartite organization of brain state dynamics underlying spoken narrative comprehension. *eLife*, 13.

Ge W, et al. (2025) Dissociable ventral and dorsal sensorimotor functional circuits linking the hypomanic personality traits to aggression via behavioral inhibition system. *International journal of clinical and health psychology : IJCHP*, 25(1), 100537.

Tashjian SM, et al. (2025) Subregions in the ventromedial prefrontal cortex integrate threat and protective information to meta-represent safety. *PLoS biology*, 23(1), e3002986.

Leopold DR, et al. (2024) Stimulus shapes strategy: Effects of stimulus characteristics and individual differences in academic achievement on the neural mechanisms engaged during the N-back task. *Developmental cognitive neuroscience*, 66, 101372.

Mizzi S, et al. (2024) Resting-state amygdala subregion and precuneus connectivity provide evidence for a dimensional approach to studying social anxiety disorder. *Translational psychiatry*, 14(1), 147.

Quah SKL, et al. (2024) A Data-Driven Latent Variable Approach to Validating the Research Domain Criteria Framework. *bioRxiv : the preprint server for biology*.

Harrington RM, et al. (2024) Dissociating reading and auditory comprehension in persons with aphasia. *Brain communications*, 6(2), fcae102.

Lettieri G, et al. (2024) Dissecting abstract, modality-specific and experience-dependent coding of affect in the human brain. *Science advances*, 10(10), eadk6840.

Jimenez CA, et al. (2024) The dorsomedial prefrontal cortex prioritizes social learning during

rest. Proceedings of the National Academy of Sciences of the United States of America, 121(12), e2309232121.