brainmap.org
RRID:SCR_003069
Type: Tool

Proper Citation

brainmap.org (RRID:SCR_003069)

Resource Information

URL: http://brainmap.org/

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Description: A community database of published functional and structural neuroimaging experiments with both metadata descriptions of experimental design and activation locations in the form of stereotactic coordinates (x,y,z) in Talairach or MNI space. BrainMap provides not only data for meta-analyses and data mining, but also distributes software and concepts for quantitative integration of neuroimaging data. The goal of BrainMap is to develop software and tools to share neuroimaging results and enable meta-analysis of studies of human brain function and structure in healthy and diseased subjects. It is a tool to rapidly retrieve and understand studies in specific research domains, such as language, memory, attention, reasoning, emotion, and perception, and to perform meta-analyses of like studies. Brainmap contains the following software: # Sleuth: database searches and Talairach coordinate plotting (this application requires a username and password) # GingerALE: performs meta-analyses via the activation likelihood estimation (ALE) method; also converts coordinates between MNI and Talairach spaces using icbm2tal # Scribe: database entry of published functional neuroimaging papers with coordinate results

Resource Type: Resource, software resource, software application, data or information resource, database

References: PMID:15897617, PMID:11967563, PMID:15846810

Keywords: 3d model, atlas, data management, imaging, map, neuroinformatics, warping, neuroimaging, brain, talairach, mni, java, modeling, magnetic resonance, nifti-1, ontology, os independent, pet, spect, visualization, functional neuroimaging, fmri

Parent Organization: University of Texas Health Science Center at San Antonio; Texas;
Related Condition: Healthy, Diseased

Funding Agency: NIMH

Related resources: Brede Database

Availability: BrainMap License, Free for educational and scientific purposes, Non-commercial, Coding scheme and its taxonomy of experimental design are available for use without restriction, Acknowledgement requested

Website Status: Last checked up

Abbreviations: BrainMap

Resource Name: brainmap.org

Resource ID: SCR_003069

Alternate IDs: nif-0000-00049

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

Ratings and Alerts

- 4 / 5 (4 votes) Rated at NITRC http://www.nitrc.org/projects/brainmap

No alerts have been found for brainmap.org.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 284 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.


Tahmasian M, et al. (2020) The interrelation of sleep and mental and physical health is anchored in grey-matter neuroanatomy and under genetic control. Communications biology, 3(1), 171.

Roberts CA, et al. (2020) A Systematic Review and Activation Likelihood Estimation Meta-
Analysis of fMRI Studies on Sweet Taste in Humans. The Journal of nutrition, 150(6), 1619-1630.


