Resource Summary Report

Generated by RRID on Sep 10, 2026

Mindboggle

RRID:SCR_002438
Type: Tool

Proper Citation

Mindboggle (RRID:SCR_002438)

Resource Information

URL: http://mindboggle.info

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Description: Mindboggle (http://mindboggle.info) is open source software for analyzing the shapes of brain structures from human MRI data. The following publication in PLoS Computational Biology documents and evaluates the software: Klein A, Ghosh SS, Bao FS, Giard J, Hame Y, Stavsky E, Lee N, Rossa B, Reuter M, Neto EC, Keshavan A. (2017) Mindboggling morphometry of human brains. PLoS Computational Biology 13(3): e1005350. doi:10.1371/journal.pcbi.1005350

Abbreviations: Mindboggle

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

Keywords: analyze, anatomic, atlas application, console (text based), labeling, python, magnetic resonance, os independent, region of interest, segmentation, brain, label, mri, anatomy, cerebral cortex, human brain, parcellation, morphometry, shape measures, cortical thickness, cortical depth, Laplace-Beltrami spectra, Zernike moments

Funding: NIMH MH084029-02

Availability: Free, Available for download, Freely available

Resource Name: Mindboggle

Resource ID: SCR_002438

Alternate IDs: nlx_155813

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

License: Apache License, v2

Record Creation Time: 20220129T080213+0000

Record Last Update: 20260905T133038+0000

Ratings and Alerts

No rating or validation information has been found for Mindboggle.

No alerts have been found for Mindboggle.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 246 mentions in open access literature.

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

Jeong G, et al. (2026) Population coding for visual and auditory quantity in human numerotopic maps. Communications biology, 9(1).

Dalby C, et al. (2026) Delineating In Vivo T1-Weighted Intensity Profiles Within the Human Insula Cortex Using 7-Tesla MRI. Human brain mapping, 47(4), e70486.

Bouffard NR, et al. (2026) Age Differences in Hippocampal Neural Timescales During Movie-Viewing. bioRxiv : the preprint server for biology.

Qu S, et al. (2026) Advancing whole-brain BOLD functional MRI in humans at 10.5 T with motion-robust 3D echo-planar imaging, parallel transmission, and high-density radiofrequency receive coils. Magnetic resonance in medicine, 95(2), 1068.

Hüppi RM, et al. (2026) Predicting Continuous Cognitive Decline: The Generalizability of a Multimodal Machine Learning Approach Including Structural MRI and Non-Brain Data. medRxiv : the preprint server for health sciences.

David I, et al. (2026) Distance- and hierarchy-dependent functional dysconnectivity in schizophrenia and its association with cortical microstructure. NeuroImage. Clinical, 49, 103958.

Centanino V, et al. (2026) Neuronal populations across the cortex underlie discrete, categorical, and subjective representations of visual durations. PLoS biology, 24(3), e3003704.

Hsiao FJ, et al. (2026) Unmasking the noise: aberrant cortical oscillations in visual snow syndrome. The journal of headache and pain, 27(1).

Huang J, et al. (2026) Binding items to contexts through conjunctive neural representations with the method of loci. Nature communications, 17(1).

Camacho PB, et al. (2026) Study protocol for the Champaign-Urbana population study. Frontiers in neuroimaging, 5, 1728970.

Brissenden JA, et al. (2026) Cerebellar perturbation impairs human working memory and degrades spatial tuning throughout cortex. bioRxiv : the preprint server for biology.

Brannigan K, et al. (2026) Hippocampal connectivity predicting recognition and categorization abilities. Frontiers in cognition, 5, 1765217.

Rezaei A, et al. (2026) The retrieval of previously learned motor memories is facilitated by the reinstatement of default mode network manifold structures. PLoS biology, 24(3), e3003684.

Yi S, et al. (2026) Computational and neural mechanisms underlying the influence of action affordances on value learning. Nature communications, 17(1), 1096.

Miao Z, et al. (2026) Common and distinct neural correlates of social interaction processing and theory of mind in narratives. Nature communications, 17(1).

Sochan L, et al. (2026) Does the brain's E:I balance really shape long-range temporal correlations? Lessons learned from 3T MRI. Imaging neuroscience (Cambridge, Mass.), 4.

Sugawara M, et al. (2026) A densely sampled fMRI dataset for investigating food valuation. Scientific data, 13(1).

Jarvers I, et al. (2026) The Relationship Between Precuneus Thickness and Psychopathology in Adolescent Females With Anorexia Nervosa. The International journal of eating disorders, 59(2), 384.

Crawford JL, et al. (2026) Dissociable Mechanisms Underlie Differences Between Memory and Metamemory in Older Adults: The Differentiating Role of Anxiety and Depression Symptoms. Hippocampus, 36(3), e70100.

Stevenson N, et al. (2026) Building bridges between brain and behavior: An open-source toolbox for joint modeling with fMRI. Imaging neuroscience (Cambridge, Mass.), 4.