

Resource Summary Report

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NiiStat

RRID:SCR_014152

Type: Tool

Proper Citation

NiiStat (RRID:SCR_014152)

Resource Information

URL: <http://www.nitrc.org/projects/niistat/>

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Description: A set of Matlab scripts for analyzing neuroimaging data from clinical populations. The NiiStat tools are designed to correlate behavioral data (task performance) with brain imaging data.

Resource Type: software resource, source code, software application, data analysis software, data processing software

Keywords: matlab script, source code, data analysis, neuroimaging data, clinical population

Funding:

Availability: Available to the research community

Resource Name: NiiStat

Resource ID: SCR_014152

Alternate URLs: <http://www.nitrc.org/plugins/mwiki/index.php/niistat:MainPage>

License: BSD License

Record Creation Time: 20220129T080319+0000

Record Last Update: 20250425T060009+0000

Ratings and Alerts

No rating or validation information has been found for NiiStat.

No alerts have been found for NiiStat.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 65 mentions in open access literature.

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

Salvato G, et al. (2025) The contribution of cutaneous thermal signals to bodily self-awareness. *Nature communications*, 16(1), 569.

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

Bellmunt-Gil A, et al. (2024) Frontal white and gray matter abnormality in gambling disorder: A multimodal MRI study. *Journal of behavioral addictions*, 13(2), 576.

Brownsett SLE, et al. (2024) Structural brain networks correlating with poststroke cognition. *Human brain mapping*, 45(5), e26665.

Morand J, et al. (2024) Quality assessment and community detection methods for anonymized mobility data in the Italian Covid context. *Scientific reports*, 14(1), 4636.

Röhrig L, et al. (2024) Structural Disconnections Caused by White Matter Hyperintensities in Post-Stroke Spatial Neglect. *Human brain mapping*, 45(17), e70078.

Rizor E, et al. (2024) Brain-Hand Function Relationships Based on Level of Grasp Function in Chronic Left-Hemisphere Stroke. *Neurorehabilitation and neural repair*, 38(10), 752.

Salazar CA, et al. (2024) Concurrent tDCS-fMRI after stroke reveals link between attention network organization and motor improvement. *Scientific reports*, 14(1), 19334.

Fahey D, et al. (2024) Lesion-symptom Mapping of Acceptability Judgments in Chronic Poststroke Aphasia Reveals the Neurobiological Underpinnings of Receptive Syntax. *Journal of cognitive neuroscience*, 36(6), 1141.

Peng S, et al. (2024) Heterogenous brain activations across individuals localize to a common network. *Communications biology*, 7(1), 1270.

Cipolotti L, et al. (2023) Graph lesion-deficit mapping of fluid intelligence. *Brain : a journal of neurology*, 146(1), 167.

Reindl C, et al. (2023) Age of epilepsy onset as modulating factor for naming deficit after epilepsy surgery: a voxel-based lesion-symptom mapping study. *Scientific reports*, 13(1), 14395.

Nordberg J, et al. (2023) Brain lesion locations associated with secondary seizure generalization in tumors and strokes. *Human brain mapping*, 44(8), 3136.

Branscheidt M, et al. (2023) Reinforcement Learning Is Impaired in the Sub-acute Post-stroke Period. *bioRxiv : the preprint server for biology*.

Stockert A, et al. (2023) Involvement of Thalamocortical Networks in Patients With Poststroke Thalamic Aphasia. *Neurology*, 100(5), e485.

Schei S, et al. (2023) Association between patient-reported cognitive function and location of glioblastoma. *Neurosurgical review*, 46(1), 282.

Sperber C, et al. (2022) The strange role of brain lesion size in cognitive neuropsychology. *Cortex; a journal devoted to the study of the nervous system and behavior*, 146, 216.

Bunker LD, et al. (2022) Hyperintense vessels on imaging account for neurological function independent of lesion volume in acute ischemic stroke. *NeuroImage. Clinical*, 34, 102991.

Reindl C, et al. (2022) Resection of dominant fusiform gyrus is associated with decline of naming function when temporal lobe epilepsy manifests after the age of five: A voxel-based lesion-symptom mapping study. *NeuroImage. Clinical*, 35, 103129.

Zigiotto L, et al. (2022) Segregated circuits for phonemic and semantic fluency: A novel patient-tailored disconnection study. *NeuroImage. Clinical*, 36, 103149.