

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

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

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: 20260801T042725+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 77 mentions in open access literature.

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

Di Caro V, et al. (2025) The neural bases of the reach-grasp movement in humans: Quantitative evidence from brain lesions. *Proceedings of the National Academy of Sciences of the United States of America*, 122(10), e2419801122.

Reindl C, et al. (2025) The prognostic value of cortical stimulation induced seizures using stereo EEG in presurgical evaluation of focal epilepsies. *Scientific reports*, 15(1), 7941.

Hess F, et al. (2025) Predictors and Implications of Myocardial Injury in Intracerebral Hemorrhage. *Clinical neuroradiology*, 35(2), 395.

Kufner A, et al. (2025) Neuropsychiatric changes following striatal stroke- results from the observational PostPsyDis study. *Neurological research and practice*, 7(1), 32.

Lugtmeijer S, et al. (2025) Visual feature processing in a large stroke cohort: evidence against modular organization. *Brain : a journal of neurology*, 148(4), 1144.

Gruber J, et al. (2025) Voxel-Based Lesion Symptom Mapping to Predict Poststroke Epilepsy After Mechanical Thrombectomy. *European journal of neurology*, 32(4), e70154.

Foit NA, et al. (2025) Linking Memory Impairment to Structural Connectivity in Extrahippocampal Temporal Lobe Epilepsy Surgery. *Neurology international*, 17(4).

Kurteff GL, et al. (2025) Mapping of critical prosodic and phonetic networks in post-stroke apraxia of speech. *bioRxiv : the preprint server for biology*.

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

Bunker LD, et al. (2025) Discourse Measures From the Modern Cookie Theft Picture Description Are Sensitive to Mild Communication Deficits Not Captured by the Western Aphasia Battery-Revised Aphasia Quotient. *American journal of speech-language pathology*, 34(3), 1100.

Stark A, et al. (2025) Lesion topography shapes motor thresholds in brain tumor patients. *NeuroImage. Clinical*, 49, 103924.

Sherzad N, et al. (2025) Lesion-Symptom Mapping of Acute Speech Deficits After Left vs. Right Hemisphere Stroke: A Retrospective Analysis of NIHSS Best Language Scores and Clinical Neuroimaging. *Brain sciences*, 15(12).

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.

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

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.

Rosenzopf H, et al. (2024) Bayesian evidence for the neural dissociation between finger and hand imitation skills. *Imaging neuroscience (Cambridge, Mass.)*, 2.

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.

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.