Resource Summary Report

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SurfStat

RRID:SCR_007081
Type: Tool

Proper Citation

SurfStat (RRID:SCR_007081)

Resource Information

URL: http://www.math.mcgill.ca/keith/surfstat

Proper Citation: SurfStat (RRID:SCR_007081)

Description: A Matlab toolbox for the statistical analysis of univariate and multivariate surface data using linear mixed effects models and random field theory.

Abbreviations: SurfStat

Resource Type: data processing software, software application, image analysis software, software toolkit, software resource

Keywords: afni brik, analyze, linear, matlab, minc, modeling, magnetic resonance, nifti, os independent, regression, statistical operation, pet, random field theory

Availability: Free

Resource Name: SurfStat

Resource ID: SCR_007081

Alternate IDs: nlx_156000

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

Record Creation Time: 20220129T080239+0000

Record Last Update: 20260810T040434+0000

Ratings and Alerts

No rating or validation information has been found for SurfStat.

No alerts have been found for SurfStat.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 260 mentions in open access literature.

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

Stocks JK, et al. (2026) Morphometric features enhance phenotype discrimination in frontotemporal lobar degeneration. Brain communications, 8(1), fcag012.

Gunasekaran TI, et al. (2026) Common and rare variant analyses implicate JARID2 in cerebral tau deposition. NPJ dementia, 2(1), 52.

Wu J, et al. (2026) Classifying irritable bowel syndrome using spatio-temporal graph convolution networks on brain functional MRI data. Brain communications, 8(2), fcag062.

Andrews DS, et al. (2025) Cortical Thickness Differences in Autistic Children With and Without Intellectual Disability. Autism research : official journal of the International Society for Autism Research, 18(3), 486.

Kang S, et al. (2025) White matter hyperintensities and cholinergic degeneration as Lewy body disease. Annals of clinical and translational neurology, 12(1), 97.

Zhang M, et al. (2025) Unraveling morphological brain network disparities Parkinsonian tremor from essential tremor: an artificial intelligence approach for clinical differentiation. NPJ Parkinson's disease, 11(1), 253.

Biernacki K, et al. (2025) Blunted anterior midcingulate response to reward in opioid users is normalized by prefrontal transcranial magnetic stimulation. Translational psychiatry, 15(1), 340.

Wang E, et al. (2025) Structural and functional brain alterations associated with pain in Parkinson's disease. NPJ Parkinson's disease, 11(1), 362.

Kang S, et al. (2025) Brain Perfusion, Atrophy, and Dopaminergic Changes in Amyloid Negative Logopenic Primary Progressive Aphasia. Scientific reports, 15(1), 8429.

Jang Y, et al. (2025) Structural connectome manifold changes related to body mass index and their associations with eating psychopathology. NeuroImage. Clinical, 47, 103817.

Velicky Buecheler M, et al. (2025) Longitudinal changes in hippocampal morphology before and after temporal lobe epilepsy surgery. Brain communications, 7(6), fcaf416.

Carbonell F, et al. (2025) Tau-related reduction of glucose metabolism in mild cognitive impairment occurs independently of APOE ?4 genotype and is influenced by A?. Alzheimer's & dementia : the journal of the Alzheimer's Association, 21(2), e14625.

Moodie JE, et al. (2025) Brain maps of general cognitive functioning: neuroimaging and neurobiological signatures. Translational psychiatry, 15(1), 461.

Li N, et al. (2024) Landmark-based spherical quasi-conformal mapping for hippocampal surface registration. Quantitative imaging in medicine and surgery, 14(6), 3997.

Xiao D, et al. (2024) Association of cortical morphology, white matter hyperintensity, and glymphatic function in frontotemporal dementia variants. Alzheimer's & dementia : the journal of the Alzheimer's Association, 20(9), 6045.

Gunasekaran TI, et al. (2024) Genome-wide scan of Flortaucipir PET levels finds JARID2 associated with cerebral tau deposition. medRxiv : the preprint server for health sciences.

Moodie JE, et al. (2024) Brain maps of general cognitive function and spatial correlations with neurobiological cortical profiles. bioRxiv : the preprint server for biology.

Lopez-Vilaret KM, et al. (2024) APOE ?4 and Insulin Resistance Influence Path-Integration-Based Navigation through Distinct Large-Scale Network Mechanisms. Aging and disease, 16(5), 3154.

Garcia-Saldivar P, et al. (2024) White matter structural bases for phase accuracy during tapping synchronization. eLife, 13.

Baranyi G, et al. (2024) Life-course neighbourhood deprivation and brain structure in older adults: the Lothian Birth Cohort 1936. Molecular psychiatry, 29(11), 3483.