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

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

Funding:

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: 20250521T061142+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 239 mentions in open access literature.

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

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

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.

Kausel L, et al. (2024) Patients recovering from COVID-19 who presented with anosmia during their acute episode have behavioral, functional, and structural brain alterations. Scientific reports, 14(1), 19049.

Hardikar S, et al. (2024) Macro-scale patterns in functional connectivity associated with ongoing thought patterns and dispositional traits. 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.

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

Jin X, et al. (2024) Compensation or Preservation? Different Roles of Functional Lateralization in Speech Perception of Older Non-musicians and Musicians. Neuroscience bulletin, 40(12), 1843.

Lynch KM, et al. (2024) Spatiotemporal patterns of cortical microstructural maturation in

children and adolescents with diffusion MRI. Human brain mapping, 45(1), e26528.

?? Ö, et al. (2024) Gliovascular transcriptional perturbations in Alzheimer's disease reveal molecular mechanisms of blood brain barrier dysfunction. Nature communications, 15(1), 4758.

Seo F, et al. (2024) Changes in brain functional connectivity and muscle strength independent of elbow flexor atrophy following upper limb immobilization in young females. Experimental physiology, 109(9), 1557.

Takatani T, et al. (2024) Brain morphometric changes in children born as small for gestational age without catch up growth. Frontiers in neuroscience, 18, 1441563.

Timmermann C, et al. (2023) Human brain effects of DMT assessed via EEG-fMRI. Proceedings of the National Academy of Sciences of the United States of America, 120(13), e2218949120.

Lee YG, et al. (2023) Substantia nigral dopamine transporter uptake in dementia with Lewy bodies. NPJ Parkinson's disease, 9(1), 88.

Kim JP, et al. (2023) Circulating lipid profiles are associated with cross-sectional and longitudinal changes of central biomarkers for Alzheimer's disease. medRxiv: the preprint server for health sciences.

Khundrakpam B, et al. (2023) A critical role of brain network architecture in a continuum model of autism spectrum disorders spanning from healthy individuals with genetic liability to individuals with ASD. Molecular psychiatry, 28(3), 1210.

Baik K, et al. (2023) Cortical Thickness and Brain Glucose Metabolism in Healthy Aging. Journal of clinical neurology (Seoul, Korea), 19(2), 138.

Kang K, et al. (2023) Distinct cerebral cortical perfusion patterns in idiopathic normal-pressure hydrocephalus. Human brain mapping, 44(1), 269.

Baik K, et al. (2023) Comparison Between 18F-Florapronol and 18F-Florbetaben Imaging in Patients With Cognitive Impairment. Journal of clinical neurology (Seoul, Korea), 19(3), 260.