

Resource Summary Report

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Tract Based Spatial Statistics

RRID:SCR_024932

Type: Tool

Proper Citation

Tract Based Spatial Statistics (RRID:SCR_024932)

Resource Information

URL: <https://fsl.fmrib.ox.ac.uk/fsl/fslwiki/TBSS>

Proper Citation: Tract Based Spatial Statistics (RRID:SCR_024932)

Description: Software tool to improve sensitivity, objectivity and interpretability of analysis of multi-subject diffusion imaging studies.

Abbreviations: TBSS

Synonyms: , Tract-Based Spatial Statistics, TBSS:Tract-Based Spatial Statistics

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

Defining Citation: [PMID:16624579](#)

Keywords: analysis of multi-subject diffusion imaging studies, imaging analysis, imaging,

Funding: BBSRC ;
EPSRC ;
MRC ;
Multiple Sclerosis Society ;
Wellcome Trust

Availability: Free, Freely available

Resource Name: Tract Based Spatial Statistics

Resource ID: SCR_024932

Record Creation Time: 20240129T210604+0000

Record Last Update: 20260904T000920+0000

Ratings and Alerts

No rating or validation information has been found for Tract Based Spatial Statistics.

No alerts have been found for Tract Based Spatial Statistics.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 11 mentions in open access literature.

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

Pareto D, et al. (2025) Image analysis research in neuroradiology: bridging clinical and technical domains. *Neuroradiology*, 67(7), 1649.

Pyne JD, et al. (2025) Phase contrast-derived cerebral blood flow is associated with neurodegeneration and cerebrovascular injury in older adults. *Frontiers in neuroscience*, 19, 1538956.

Goena Vives J, et al. (2025) Deviant sound frequency and time stimuli in auditory oddball tasks reveal persistent aberrant brain activity in patients with psychosis and symptomatic remission. *Journal of psychiatric research*, 182, 400.

Sheriff AB, et al. (2024) A comparison of white matter microstructure and correlates with neuropsychological measures in younger and older adults. *PloS one*, 19(6), e0305818.

D'Antonio F, et al. (2024) Distinct grey and white matter changes are associated with the phenomenology of visual hallucinations in Lewy Body Disease. *Scientific reports*, 14(1), 14748.

Pinky NN, et al. (2022) Multimodal magnetic resonance imaging of youth sport-related concussion reveals acute changes in the cerebellum, basal ganglia, and corpus callosum that resolve with recovery. *Frontiers in human neuroscience*, 16, 976013.

Su W, et al. (2022) Different patterns of association between white matter microstructure and plasma unsaturated fatty acids in those with high risk for psychosis and healthy participants. *General psychiatry*, 35(2), e100703.

Li D, et al. (2022) Brain structural alterations in young girls with Rett syndrome: A voxel-based morphometry and tract-based spatial statistics study. *Frontiers in neuroinformatics*, 16, 962197.

Chang X, et al. (2022) Alterations of cerebellar white matter integrity and associations with cognitive impairments in schizophrenia. *Frontiers in psychiatry*, 13, 993866.

Chao YP, et al. (2022) Reduced Inter-Voxel White Matter Integrity in Subjective Cognitive Decline: Diffusion Tensor Imaging With Tract-Based Spatial Statistics Analysis. *Frontiers in aging neuroscience*, 14, 810998.

Li Y, et al. (2022) Combined fractional anisotropy and subcortical volumetric deficits in patients with mild-to-moderate depression: Evidence from the treatment of antidepressant traditional Chinese medicine. *Frontiers in neuroscience*, 16, 959960.