FSL

RRID:SCR_002823
Type: Tool

Proper Citation

FSL (RRID:SCR_002823)

Resource Information

URL: http://www.fmrib.ox.ac.uk/fsl/

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Description: Software library of image analysis and statistical tools for fMRI, MRI and DTI brain imaging data. Include registration, atlases, diffusion MRI tools for parameter reconstruction and probabilistic tractography, and viewer. Several brain atlases, integrated into FSLView and Featquery, allow viewing of structural and cytoarchitectonic standard space labels and probability maps for cortical and subcortical structures and white matter tracts. Includes Harvard-Oxford cortical and subcortical structural atlases, Julich histological atlas, JHU DTI-based white-matter atlases, Oxford thalamic connectivity atlas, Talairach atlas, MNI structural atlas, and Cerebellum atlas.

Resource Type: Resource, software resource, software toolkit, software library

References: PMID:21979382, PMID:19059349, PMID:15501092

Keywords: dti, brain, imaging, data, structural, mri, diffusion, function, preprocessing, analysis, statistical, tractography, atlas, neuroimaging, parameter, reconstruction, volumetric, segmentation, independent, component, temporal, transformation

Parent Organization: University of Oxford; Oxford; United Kingdom

Funding Agency: BBSRC, EPSRC, GlaxoSmithKline, MRC, Pfizer

Related resources: Rodent Brain Extraction Tool, Human Connectome Coordination Facility, BASH4RfMRI, DW-MRI registration in FSL, FSL extensions, Diffusion MRI of Traumatic Brain Injury, Segmentation of Hippocampus Subfields, masked ICA (mICA) Toolbox
Availability: Non-commercial, Available to the research community

Website Status: Last checked up

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Alternate IDs: birnlex_2067, SCR_007368, nif-0000-00305


Ratings and Alerts

- 4.5 / 5 (36 votes) Rated at NITRC http://www.nitrc.org/projects/fsl

No alerts have been found for FSL.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 3180 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch Infrastructure.


Wu C, et al. (2020) COMT-Polymorphisms Modulated Functional Profile of the Fusiform Face Area Contributes to Face-Specific Recognition Ability. Scientific reports, 10(1), 2134.


Duc NT, et al. (2020) 3D-Deep Learning Based Automatic Diagnosis of Alzheimer's Disease
with Joint MMSE Prediction Using Resting-State fMRI. Neuroinformatics, 18(1), 71-86.