

Resource Summary Report

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Functional Regression Analysis of DTI Tract Statistics

RRID:SCR_002293

Type: Tool

Proper Citation

Functional Regression Analysis of DTI Tract Statistics (RRID:SCR_002293)

Resource Information

URL: <http://www.nitrc.org/projects/frats/>

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Description: Software for the analysis of multiple diffusion properties along fiber bundle as functions in an infinite dimensional space and their association with a set of covariates of interest, such as age, diagnostic status and gender, in real applications. The resulting analysis pipeline can be used for understanding normal brain development, the neural bases of neuropsychiatric disorders, and the joint effects of environmental and genetic factors on white matter fiber bundles.

Abbreviations: FRATS

Synonyms: Functional Regression Analysis of DTI

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

Defining Citation: [PMID:20335089](#)

Keywords: computational neuroscience, imaging genomics, magnetic resonance, regression analysis, dti, statistics

Funding: NSF BCS-08-26844;
NCRR UL1-RR025747-01;
NIMH MH086633;
NIA AG033387;
NIMH MH064065;
NICHD HD053000;
NIMH MH070890;

NINDS R01NS055754;
NIBIB U54 EB005149-01

Availability: Academic Free License

Resource Name: Functional Regression Analysis of DTI Tract Statistics

Resource ID: SCR_002293

Alternate IDs: nlx_155629

Record Creation Time: 20220129T080212+0000

Record Last Update: 20260808T190308+0000

Ratings and Alerts

No rating or validation information has been found for Functional Regression Analysis of DTI Tract Statistics.

No alerts have been found for Functional Regression Analysis of DTI Tract Statistics.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.