

# Resource Summary Report

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## Functional Regression Analysis of DTI Tract Statistics

RRID:SCR\_002293

Type: Tool

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### Proper Citation

Functional Regression Analysis of DTI Tract Statistics (RRID:SCR\_002293)

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### Resource Information

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

**Proper Citation:** Functional Regression Analysis of DTI Tract Statistics (RRID:SCR\_002293)

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

**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:** 20260912T200053+0000

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## 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.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.