

Resource Summary Report

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Functional Mixed Processes Models

RRID:SCR_014187

Type: Tool

Proper Citation

Functional Mixed Processes Models (RRID:SCR_014187)

Resource Information

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

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Description: A tool which implements a functional analysis pipeline for the joint analysis of longitudinally measured functional data and clinical data (for example age, gender and disease status). FMPM consists of a functional mixed effects model for characterizing the association of functional response with covariates of interest by incorporating complex spatial–temporal correlation structure, an efficient method for spatially smoothing varying coefficient functions, an estimation method for estimating the spatial–temporal correlation structure, a test procedure with local and global test statistics for testing hypotheses of interest associated with functional response, and a simultaneous confidence band for quantifying the uncertainty in the estimated coefficient functions.

Abbreviations: FMPM

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

Keywords: workflow software, data analysis software, analysis pipeline, longitudinal, functional data, clinical data

Availability: Public, Available to the research community

Resource Name: Functional Mixed Processes Models

Resource ID: SCR_014187

License: NIH Data Access Policy

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Record Last Update: 20260807T042816+0000

Ratings and Alerts

No rating or validation information has been found for Functional Mixed Processes Models.

No alerts have been found for Functional Mixed Processes Models.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.