

Resource Summary Report

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Mixed Effect Model of Genetic-Set and Environment Interaction

RRID:SCR_015514

Type: Tool

Proper Citation

Mixed Effect Model of Genetic-Set and Environment Interaction (RRID:SCR_015514)

Resource Information

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

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Description: MATLAB Toolbox which provides a mixed effect model for gene-environment interaction (MixGE) on neuroimaging phenotypes, such as structural volumes and tensor-based morphometry (TBM). This model incorporates both fixed and random effects of genetic-set and environment interaction in order to investigate homogeneous and heterogeneous contributions of sets of genetic variants and their interactions with environmental risks to phenotypes.

Synonyms: Mixed Effect Model of Genetic Set and Environment Interaction, Mixed Effect Model of Genetic Set and Environment Interaction Toolbox, MixGE Toolbox

Resource Type: model, data or information resource, software toolkit, software resource

Keywords: gene environment interaction, gene environment interaction model, neuroimaging phenotype

Funding: Singapore National Research Foundation Singapore-NMRC/TCR/004-NUS/2008;
Singapore National Research Foundation Singapore-NMRC/TCR/012-NUHS/2014;
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NMRC/CBRG/0039/2013;
Singapore Ministry of Education Academic Research Fund Tier 2 MOE2012-T2-2-130

Availability: Free for non-commercial use

Resource Name: Mixed Effect Model of Genetic-Set and Environment Interaction

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Ratings and Alerts

No rating or validation information has been found for Mixed Effect Model of Genetic-Set and Environment Interaction.

No alerts have been found for Mixed Effect Model of Genetic-Set and Environment Interaction.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.