

Resource Summary Report

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Group Information Guided ICA

RRID:SCR_009491

Type: Tool

Proper Citation

Group Information Guided ICA (RRID:SCR_009491)

Resource Information

URL: <http://www.nitrc.org/projects/gig-ica/>

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Description: Software toolbox for group-information guided Independent Component Analysis (ICA). In GIG-ICA, group information captured by standard Independent Component Analysis (ICA) on the group level is used as guidance to compute individual subject specific Independent Components (ICs) using a multi-objective optimization strategy. For computing subject specific ICs, GIG-ICA is applicable to subjects that are involved or not involved in the computation of the group information. Besides the group ICs, group information captured from other imaging modalities and meta analysis could be used as the guidance in GIG-ICA too.

Abbreviations: GIG-ICA

Resource Type: software toolkit, software resource

Defining Citation: [PMID:23194820](#)

Keywords: computational neuroscience, magnetic resonance

Funding: Hundred Talent Program of the Chinese Academy of Sciences ;
National Basic Research Program of China 973 Program ;
National Natural Science Foundation of China 91132707;
National Natural Science Foundation of China 30970770

Availability: Available for download

Resource Name: Group Information Guided ICA

Resource ID: SCR_009491

Alternate IDs: nlx_155639

License: PAMI License

Record Creation Time: 20220129T080253+0000

Record Last Update: 20260729T044226+0000

Ratings and Alerts

No rating or validation information has been found for Group Information Guided ICA.

No alerts have been found for Group Information Guided ICA.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.