iBEAT

RRID:SCR_002470
Type: Tool

Proper Citation

iBEAT (RRID:SCR_002470)

Resource Information

URL: http://www.med.unc.edu/bric/ideagroup/free-softwares/libra-longitudinal-infant-brain-processing-package

Description: A toolbox with graphical user interfaces for processing infant brain MR images. Longitudinal (or single-time-point) multimodality (including T1, T2, and FA) (or single-modality) data can be processed using the toolbox. Main functions of the software (step by step) include image preprocessing, brain extraction, tissue segmentation and brain labeling. Linux operating system (64 bit) is required. A workstation or server with memory >8G is recommended for processing many images simultaneously. The graphical user interfaces and overall framework of the software are implemented in MATLAB. The image processing functions are implemented with the combination of C/C++, MATLAB, Perl and Shell languages. Parallelization technologies are used in the software to speed up image processing.

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

Keywords: atlas application, atlas data, data resource, image display, information resource, magnetic resonance, registration, segmentation, spatial transformation, visualization, warping, mri, infant, brain

Resource ID: SCR_002470
**Parent Organization:** University of North Carolina at Chapel Hill School of Medicine; North Carolina; USA

**Availability:** IBEAT License, [Http://www.nitrc.org/include/glossary.php#654](http://www.nitrc.org/include/glossary.php#654)

**Website Status:** Last checked up

**Alternate IDs:** nlx_155851

**Alternate URLs:** [http://www.nitrc.org/projects/ibeat](http://www.nitrc.org/projects/ibeat)

**Abbreviations:** iBEAT

**Mentions Count:** 8

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**Ratings and Alerts**


No alerts have been found for iBEAT.

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**Data and Source Information**

**Source:** SciCrunch Registry

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**Usage and Citation Metrics**

We found 8 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [scicrunch](https://www.sciim.com).


