**iBEAT**

RRID:SCR_002470  
Type: Tool  

**Proper Citation**

iBEAT (RRID:SCR_002470)

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**Resource Information**


**Proper Citation:** iBEAT (RRID:SCR_002470)

**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.

**Abbreviations:** iBEAT

**Synonyms:** Infant Brain Extraction and Analysis Toolbox, LIBRA, iBEAT: Infant Brain Extraction and Analysis Toolbox

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

**Keywords:** atlas application, atlas data, data resource, image display, information resource, magnetic resonance, registration, segmentation, spatial transformation, visualization, warping, mri, infant, brain
**Availability:** IBEAT License, Http://www.nitrc.org/include/glossary.php#654

**Resource Name:** iBEAT

**Resource ID:** SCR_002470

**Alternate URLs:** http://www.nitrc.org/projects/ibeat

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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](http://www.nitrc.org/include/glossary.php#654)

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**Usage and Citation Metrics**

We found 13 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [FDI Lab - SciCrunch.org](http://www.nitrc.org/projects/ibeat).


