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These data were provided for use in the MICCAI 2012 Grand Challenge and Workshop on Multi-Atlas Labeling [B. Landman, S. Warfield, MICCAI 2012 workshop on multi-atlas labeling, in: MICCAI Grand Challenge and Workshop on Multi-Atlas Labeling, CreateSpace Independent Publishing Platform, Nice, France, 2012.]. The data is released under the Creative Commons Attribution-NonCommercial license (CC BY-NC) with no end date.

2012 MICCAI Multi-Atlas Labeling Challenge Data

MICCAI 2012 Workshop on Multi-Atlas Labeling Paperback — August 26, 2012. by Bennett Allan Landman (Author), Annemie Ribbens (Author), Blake Lucas (Author), Christos Davatzikos, (Author), Brian Avants (Author), Christian Ledig (Author), Da Ma (Author), Daniel Rueckert (Author), Dirk Vandermeulen (Author), Frederik Maes (Author) & 7 more.

MICCAI 2012 Workshop on Multi-Atlas Labeling: Landman ...
matic multi-atlas segmentation pipeline for mouse brain MRI tissue par-cellation. The pipeline adopts the Multi-STEPS multi-atlas

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segmentation algorithm, which utilises a locally normalised cross correlation (LNCC) similarity metric for atlas selection and an extended STAPLE frame-work for multi-label fusion. The segmentation accuracy of the pipeline

Multi Atlas Segmentation applied to in vivo mouse brain MRI
Overview Multi-atlas labeling has proven to be an effective paradigm for creating segmentation algorithms from training data. These approaches have been extraordinarily successful for brain and cranial structures (e.g., our prior MICCAI workshops: MLSF¹¹, MAL¹², SATA¹³).

Multi-Atlas Labeling Beyond the Cranial Vault - Workshop ...
“ Multi-Atlas Based Segmentation with Local Label Fusion for Right Ventricle MR Images ” , Wenjia Bai et al. (Imperial College London, UK) 15.30-16.00: Coffee break Concurrent poster session The participants can explain their algorithm and possibly include on-site demos: 16.00-16.30: Presentations from both challenges: 16.00-16.15

MICCAI'12 workshop - The Right Ventricle Segmentation ...
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Landman, B., Warfield, S.: Miccai 2012 workshop on multi-atlas labeling. In: Medical Image Computing and Computer Assisted Intervention Conference 2012: MICCAI 2012 Grand Challenge and Workshop on Multi-Atlas Labeling Challenge Results (2012) Google Scholar

Brain Image Labeling Using Multi-atlas Guided 3D Fully ...
MICCAI 2012 Workshop on Multi-Atlas Labeling (Volume 2).
CreateSpace Independent Publishing Platform (August 26, 2012)
Original website: <http://masiweb.vuse.vanderbilt.edu/workshop2012>.

Organization/Program Committee of Workshops and Challenges ...
We describe our submission to the MICCAI 2013 SATA Challenge. The method is based on multi-atlas based label propagation, its major characteristic being that it uses the concept of an atlas forest to represent an atlas. This results in an efficient scheme, which requires only a single registration to label a target. Fusion of the [...]

Multi-Atlas Label Propagation with Atlas Encoding by ...
The TICV_BC2 atlases consist of 27 OASIS images released by “ MICCAI 2012 Grand Challenge and Workshop on Multi-Atlas Labeling ” . The terms of using the TICV_BC2 atlases obey MICCAI 2012 Grand Challenge and Workshop on Multi-Atlas Labeling.

Resources : Data | Medical-image Analysis and Statistical ...
Tang X, Mori S, Miller MI (2012) Segmentation via multi-atlas LDDMM. In Landman BA, Warfield SK, editors. MICCAI Workshop on Multi-Atlas Labeling. Nice: CreateSpace Independent Publishing Platform. pp. 123 – 133.

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Multi-Contrast Multi-Atlas Parcellation of Diffusion ...

These data were expertly labeled courtesy of Neuromorphometrics, Inc. (Somerville, MA) and provided under a nondisclosure agreement. A refined dataset (using the OASIS brains and a subtly revised labeling protocol) has recently been made available as part of the MICCAI 2012 workshop on multi-atlas labeling.

Out-of-atlas likelihood estimation using multi-atlas ...

The algorithm has been evaluated on a number of different cohorts which includes patients of different ages and scanner manufacturers, and has been shown to be robust. It is shown to have comparable accuracy to other state of the art methods using the MICCAI 2012 multi-atlas challenge benchmark, but the runtime is substantially less.

Fast, Simple, Accurate Multi-atlas Segmentation of the ...

MICCAI 2011 Workshop on Multi-Atlas Labeling and Statistical Fusion Paperback – September 22, 2011 by Bennett A Landman (Author), Antong Chen (Author), D. Louis Collins (Author), & See all formats and editions Hide other ...

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Miccai 2012 Workshop Multi Atlas Labeling MICCAI 2012 Multi-Atlas Labeling Workshop and Challenge (Neuromorphometrics) The MICCAI 2012 Multi-Atlas Labeling Workshop and Challenge dataset is a manually segmented whole-brain parcellation (see refs). How to obtain the atlas: The atlas comes preinstalled within Lead-DBS Cortical

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Multi-atlas segmentation propagation has evolved quickly in recent years, becoming a state-of-the-art method for automatic structural parcellation for brain MRI. However, few studies have applied these methods to preclinical research. In this study, we present a fully automatic multi-atlas segmentation pipeline for mouse brain MRI tissue ...

Multi Atlas Segmentation applied to in vivo mouse brain ...

Visualization of fine-tuned and pre-trained model on the MICCAI test data. (L-R : Original, Manual Ground Truth, Pre-trained Model, Fine-tuned ... Miccai 2012 workshop on multi-atlas labeling (volume 2). CreateSpace Independent Publishing Platform(EDS), 2012 [Back to Capstone Page](#).

Brain Segmentation Using Deep Learning Poster – NYU Center ...

MICCAI 2012 Multi-Atlas Labeling Workshop and Challenge (Neuromorphometrics) The MICCAI 2012 Multi-Atlas Labeling Workshop and Challenge dataset is a manually segmented whole-brain parcellation (see refs). How to obtain the atlas: The atlas comes preinstalled within Lead-DBS

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