Internet Brain Segmentation Repository

RRID:SCR_001994
Type: Tool

Proper Citation

Internet Brain Segmentation Repository (RRID:SCR_001994)

Resource Information

URL: http://www.nitrc.org/projects/ibsr

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Description: Data set of manually-guided expert segmentation results along with magnetic resonance brain image data. Its purpose is to encourage the development and evaluation of segmentation methods by providing raw test and image data, human expert segmentation results, and methods for comparing segmentation results. Please see the MediaWiki for more information. This repository is meant to contain standard test image data sets which will permit a standardized mechanism for evaluation of the sensitivity of a given analysis method to signal to noise ratio, contrast to noise ratio, shape complexity, degree of partial volume effect, etc. This capability is felt to be essential to further development in the field since many published algorithms tend to only operate successfully under a narrow range of conditions which may not extend to those experienced under the typical clinical imaging setting. This repository is also meant to describe and discuss methods for the comparison of results.

Resource Type: Resource, data set, data or information resource

Keywords: 3d model, anatomy, brainstem, cerebellum, cortex, gray matter, imaging, morphology, mri, segmentation, volume, white matter, adult human, male, child, image collection, application, magnetic resonance, os independent, php, quality metrics, segmentation, test data, web service

Parent Organization: Harvard Medical School; Massachusetts; USA

Related Condition: Normal, Tumor
Funding Agency: NINDS

Availability: Public Domain

Website Status: Last checked up

Abbreviations: IBSR

Resource Name: Internet Brain Segmentation Repository

Resource ID: SCR_001994

Alternate IDs: nif-0000-00032

Old URLs: http://www.cma.mgh.harvard.edu/ibsr/

Ratings and Alerts

No rating or validation information has been found for Internet Brain Segmentation Repository.

No alerts have been found for Internet Brain Segmentation Repository.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 22 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch Infrastructure.


Maji P, et al. (2015) Rough-fuzzy clustering and unsupervised feature selection for wavelet...
based MR image segmentation. PloS one, 10(4), e0123677.


