Resource Summary Report

Generated by NIF on May 3, 2025

Local Label Learning Segmentation

RRID:SCR_009504
Type: Tool

Proper Citation

Local Label Learning Segmentation (RRID:SCR_009504)

Resource Information

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

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Description: Software using a novel local label learning strategy to estimate the target image?s segmentation label using statistical machine learning techniques. They used a support vector machine (SVM) with a K nearest neighbor (KNN) based training sample selection strategy to learn a classifier for each of the target image voxel based on a training dataset consisting of its neighboring voxels in the atlases. Validation experiments on hippocampus segmentation of 117 MR images demonstrated that the method can produce segmentation results consistently better than state-of-the-art label fusion methods.

Abbreviations: LLL Segmentation

Synonyms: Local Label Learning (LLL) Segmentation

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

Defining Citation: PMID:24151008

Keywords: magnetic resonance, svm, segmentation, local label learning, multi-atlas based segmentation

Funding:

Availability: BSD License

Resource Name: Local Label Learning Segmentation

Resource ID: SCR_009504

Alternate IDs: nlx_155653

Record Creation Time: 20220129T080253+0000

Record Last Update: 20250502T055908+0000

Ratings and Alerts

No rating or validation information has been found for Local Label Learning Segmentation.

No alerts have been found for Local Label Learning Segmentation.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF.

Zhang L, et al. (2024) Regulation of muscle hypertrophy through granulin: Relayed communication among mesenchymal progenitors, macrophages, and satellite cells. Cell reports, 43(4), 114052.