

Resource Summary Report

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S-rep Fitting Statistics and Segmentation

RRID:SCR_002540

Type: Tool

Proper Citation

S-rep Fitting Statistics and Segmentation (RRID:SCR_002540)

Resource Information

URL: <http://www.nitrc.org/projects/sreps/>

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Description: Software to fit s-reps to segmented anatomic objects, to compute probability distributions on these s-reps, to train and to apply classifiers between two classes of anatomic objects, and to apply hypothesis testing to determine which geometric or physiological features vary significantly between two classes. Software for object segmentation from medical images may also be included. S-reps are skeletal models for anatomic objects especially suited for computing probability distributions from populations of these objects and for providing object-related coordinates for the interior of these objects. They allow classification and hypothesis testing using their geometric features and physiological features derived from medical images. They also allow the definition of shape spaces, probability-based geometric typicality functions, and appearance models used for segmentation or registration. A variety of successful applications to objects in neuroimages have already been performed.

Abbreviations: S-rep Fitting Statistics and Segmentation

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

Keywords: computational neuroscience, computed tomography, domain independent, mr

Availability: BSD License

Resource Name: S-rep Fitting Statistics and Segmentation

Resource ID: SCR_002540

Alternate IDs: nlx_155948

Record Creation Time: 20220129T080214+0000

Record Last Update: 20260821T193646+0000

Ratings and Alerts

No rating or validation information has been found for S-rep Fitting Statistics and Segmentation.

No alerts have been found for S-rep Fitting Statistics and Segmentation.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.