

Resource Summary Report

Generated by PRECISE-TBI on Jul 29, 2026

Expectation-Maximization Segmentation

RRID:SCR_013228

Type: Tool

Proper Citation

Expectation-Maximization Segmentation (RRID:SCR_013228)

Resource Information

URL: <http://www.medicalimagecomputing.com/downloads/ems.php>

Proper Citation: Expectation-Maximization Segmentation (RRID:SCR_013228)

Description: EMS is a freely available suite of Matlab functions and subroutines (with some externally compiled C routines) for fully-automated multi-spectral classification of brain tissues in Magnetic Resonance (MR) images. It uses a model based approach (including an explicit model for MR bias fields) in which all the model parameters are automatically estimated for each individual scan. This enables it to process large amounts of data from normal subjects and subjects suffering from Multiple Sclerosis without need for user intervention or preceeding manual training phase.

Synonyms: EMS

Resource Type: data visualization software, software resource, software application, data processing software

Resource Name: Expectation-Maximization Segmentation

Resource ID: SCR_013228

Alternate IDs: nif-0000-00295

Record Creation Time: 20220129T080314+0000

Record Last Update: 20260729T044311+0000

Ratings and Alerts

No rating or validation information has been found for Expectation-Maximization Segmentation.

No alerts have been found for Expectation-Maximization 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 [PRECISE-TBI](#) .

Cheung C, et al. (2011) MRI study of minor physical anomaly in childhood autism implicates aberrant neurodevelopment in infancy. PloS one, 6(6), e20246.