Semi-Supervised Expectation Maximization using Gaussian Mixture Models
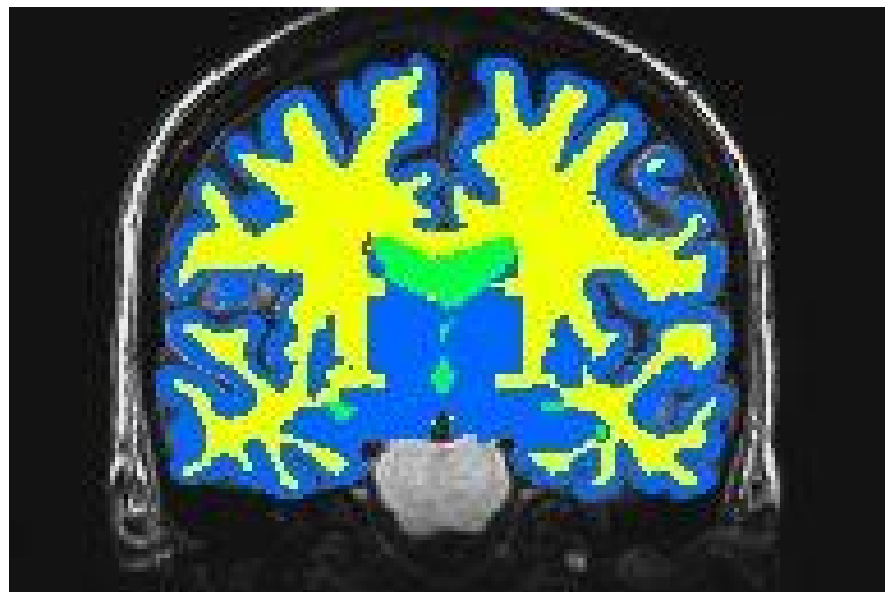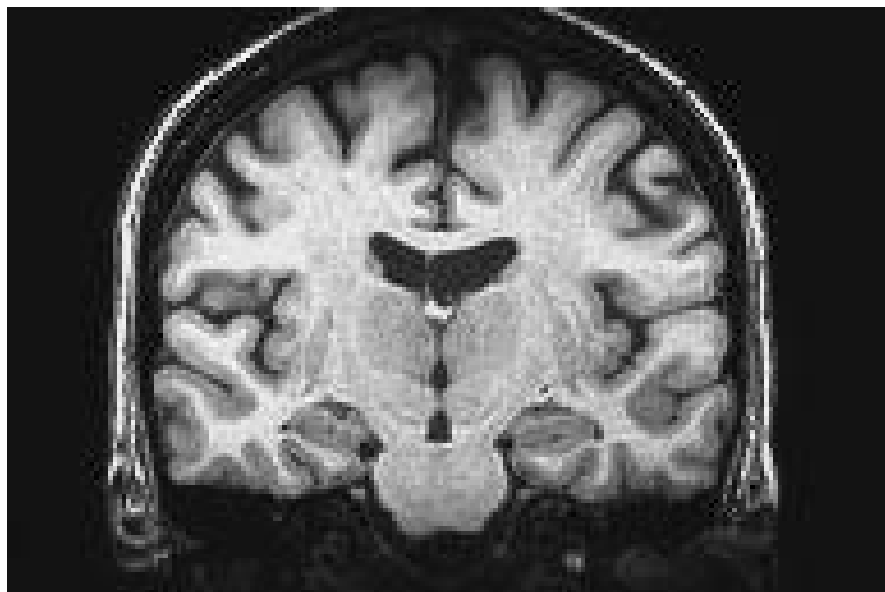
Sheng Lundquist

Implementation Details

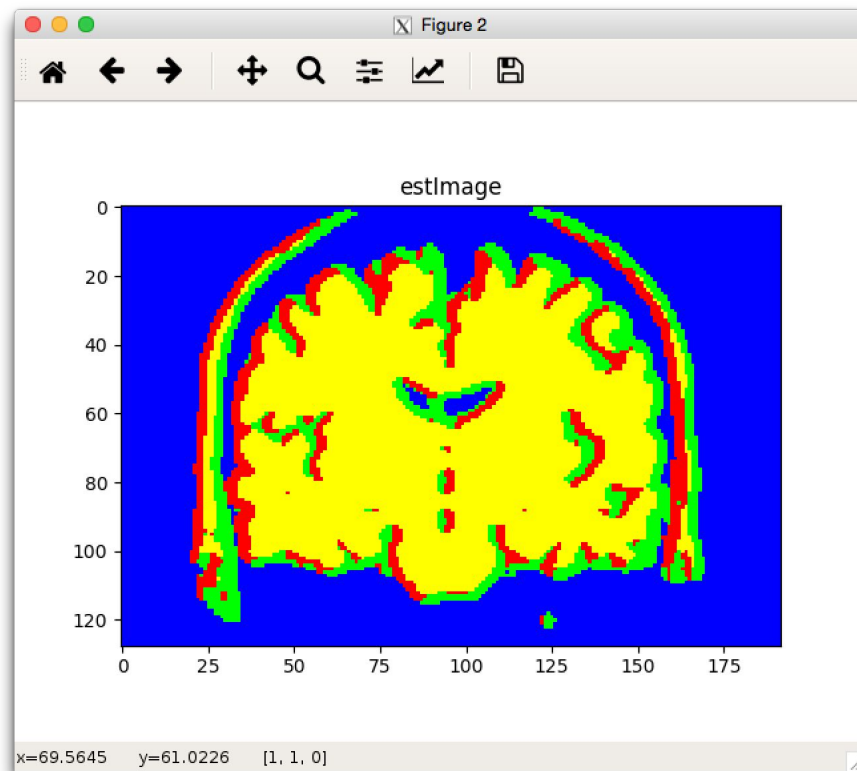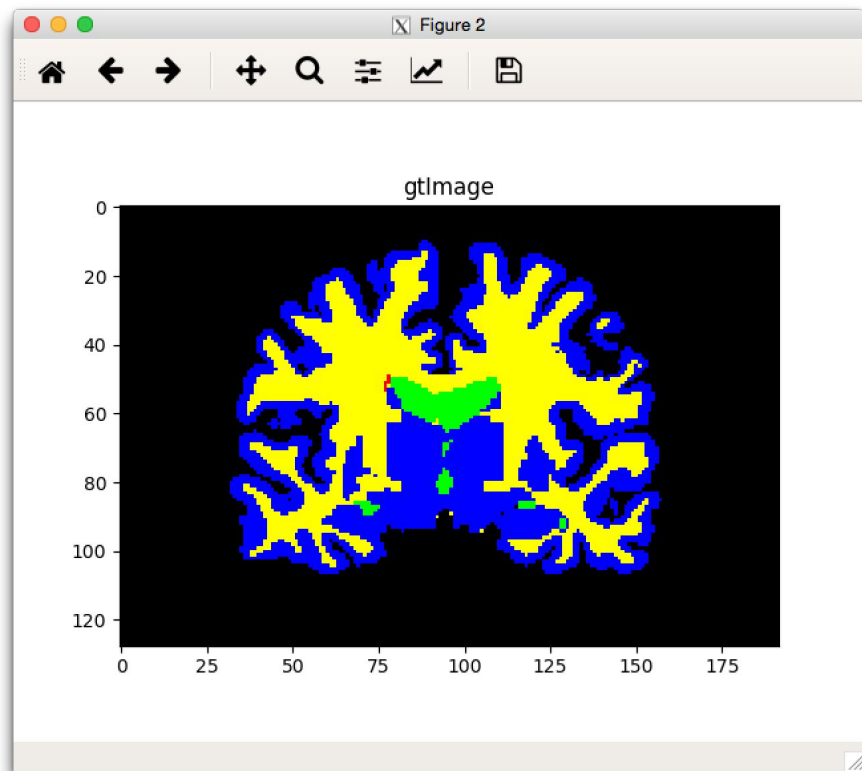Use 7 images with provided ground truth

3 images as unlabeled data

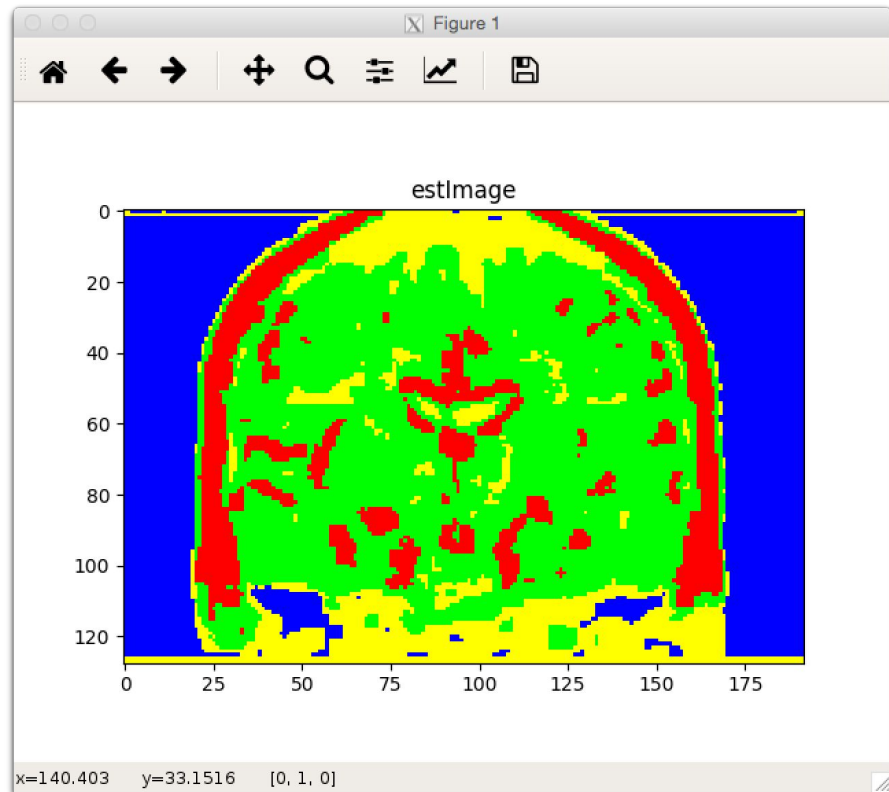Data sample is a 5x5 patch extracted from all images with a stride of 1

Input

K-Means

Unsupervised
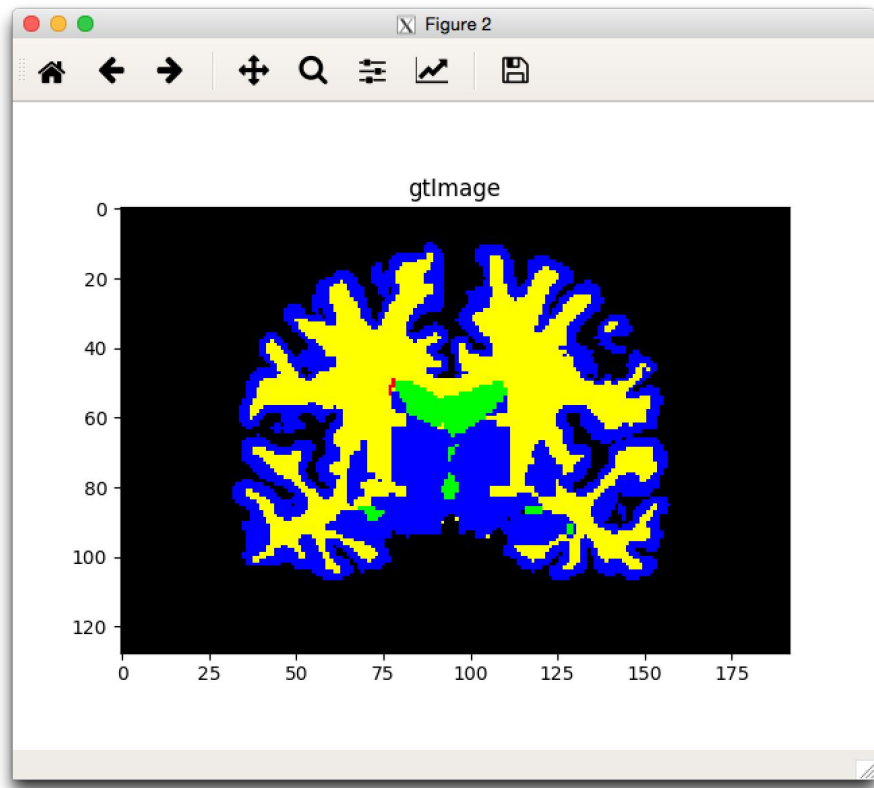
Fully Supervised
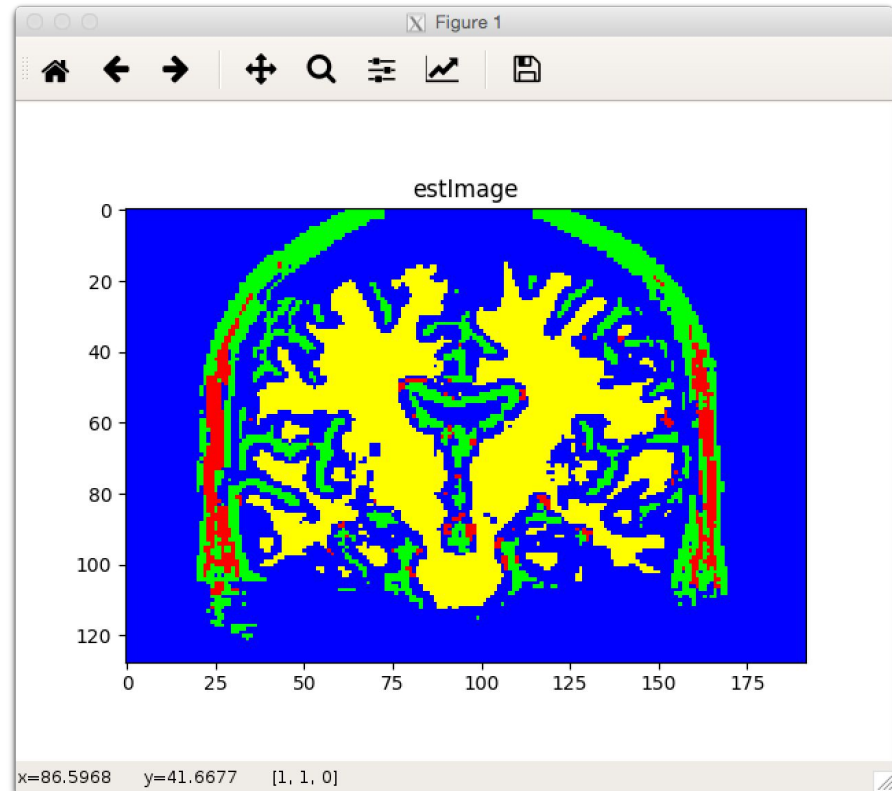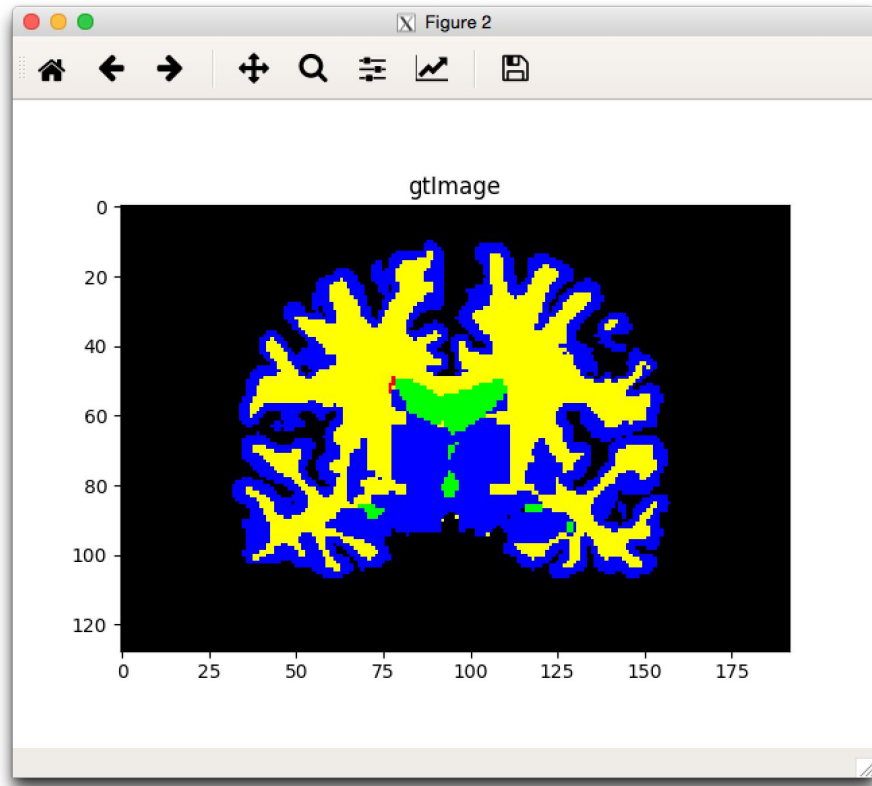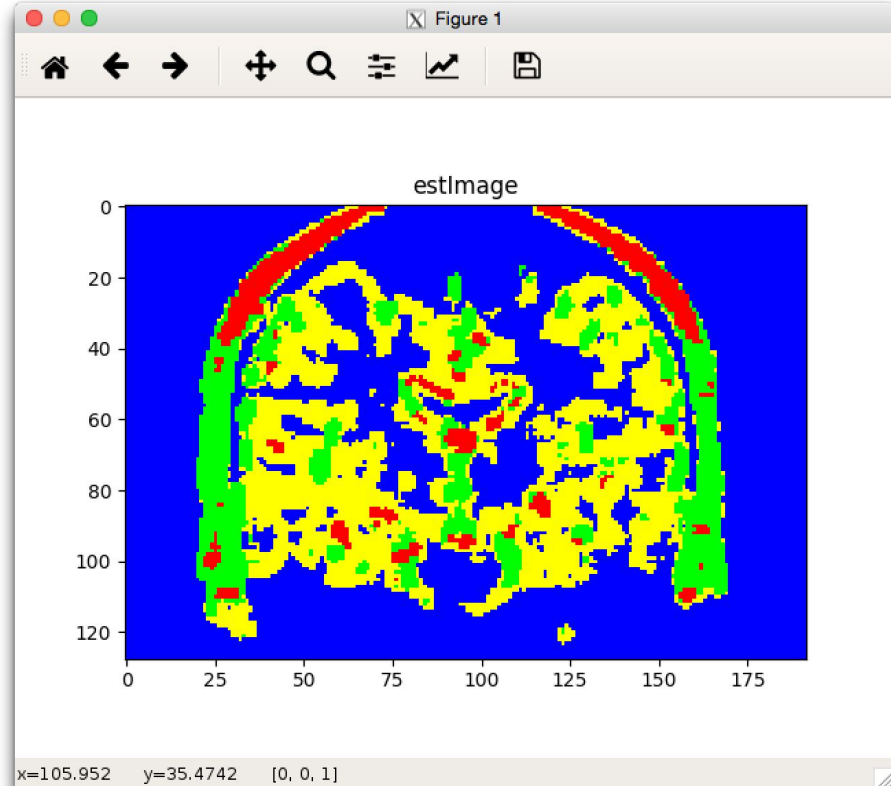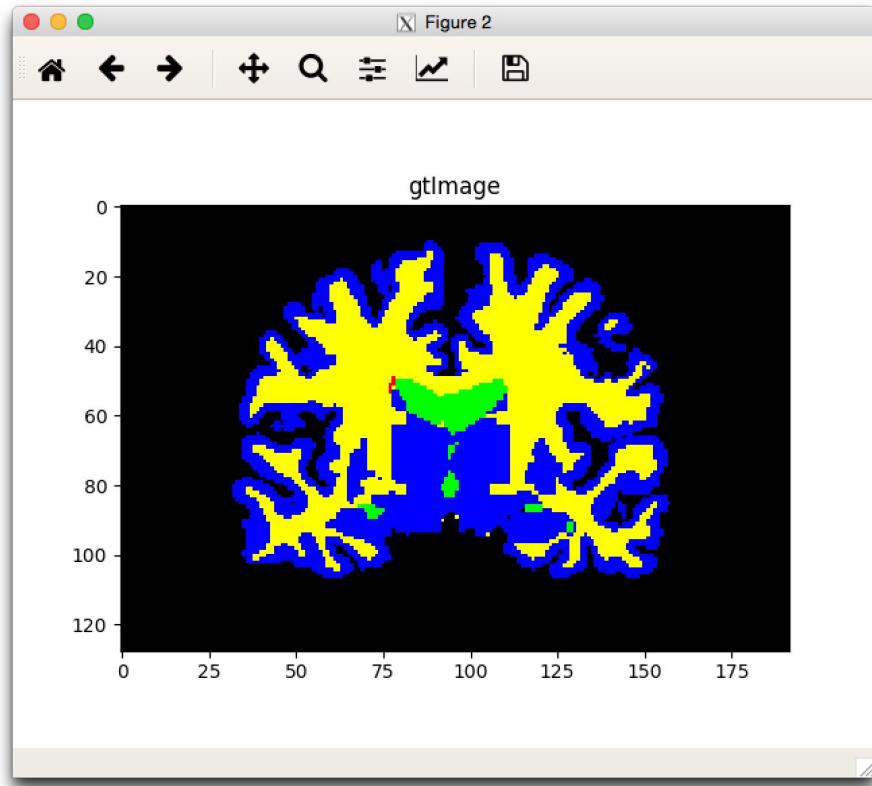
Semi-Supervised

How to improve

More clusters (plus classification)

Remove surrounding brain area from input data