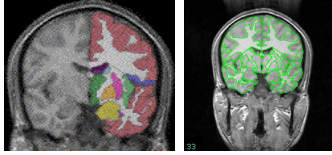


5.9 MR Brain Image Segmentation



The task is to develop and evaluate a segmentation algorithm for MR Brain Images.

1. Read information about Brain Segmentation Database and download data from some brain database, e.g. Brain Repository [1].
Data: <http://www.cma.mgh.harvard.edu/ibsr/data.html>
2. Develop some (brain) image segmentation algorithm.
3. You might start to test your algorithm on simulated data:
<http://www.cma.mgh.harvard.edu/ibsr/sec3.sub1.html>
4. Extract one or more slices for some brain volume from experimental data.
5. Evaluate the performance of your algorithm, using data from p.3 and the “ground truth” data.
6. Write a report.

[1] Internet Brain Segmentation Repository, *Massachusetts General Hospital, Center for Morphometric Analysis*: <http://www.cma.mgh.harvard.edu/ibsr/>

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