

The exemplary segmentation provided here is a modified and incomplete version of a segmentation with severe MS lesion from the BrainWeb: Simulated Brain Database (https://brainweb.bic.mni.mcgill.ca/anatomic_ms3.html/) [1, 2, 3, 4], including normal appearing white matter (NAWM), gray matter (GM), cerebrospinal fluid (CSF) and lesions. The full high-res data and other segmentations can be found at <https://brainweb.bic.mni.mcgill.ca/>.

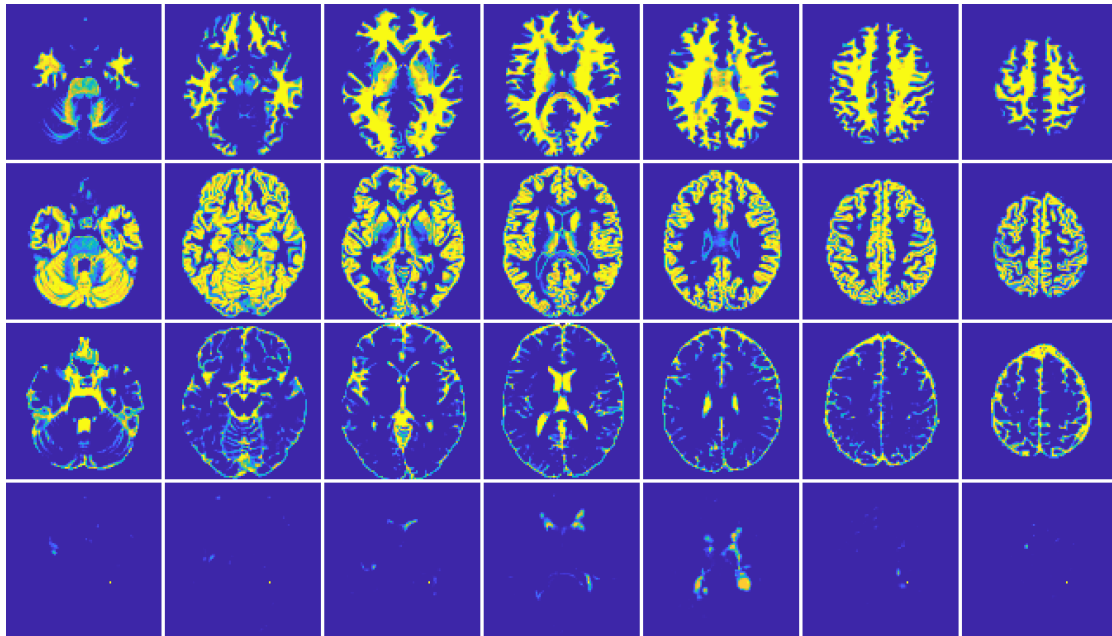


Figure 1: The exemplary segmentation provided here consists of 7 axial slices (inferior to superior shown from left to right) and 4 different tissue classes (top to bottom: NAWM, GM, CSF, lesion).

References

- [1] R.K.-S. Kwan, A.C. Evans, and G.B. Pike. An extensible MRI simulator for post-processing evaluation. In *Visualization in Biomedical Computing: 4th International Conference, VBC'96 Hamburg, Germany, September 22–25, 1996 Proceedings*, pages 135–140. Springer, 1996.
- [2] C.A. Cocosco. Brainweb: Online interface to a 3D MRI simulated brain database. *NeuroImage*, 5, 1997.
- [3] D.L. Collins, A.P. Zijdenbos, V. Kollokian, J.G. Sled, N.J. Kabani, C.J. Holmes, and A.C. Evans. Design and construction of a realistic digital brain phantom. *IEEE Transactions on Medical Imaging*, 17(3):463–468, 1998.
- [4] R.K.-S. Kwan, A.C. Evans, and G.B. Pike. MRI simulation-based evaluation of image-processing and classification methods. *IEEE transactions on medical imaging*, 18(11):1085–1097, 1999.