mrQ

mrQ is a software package designed to calculate MR parameters (T1 and PD) using spoiled gradient echo scans (SPGR, FLASH). Using T1 and PD maps, mrQ performs the evaluation of macromolecular tissue volume (MTV) and the apparent volume of the interacting water protons (VIP) as well as the water-surface interaction rate (SIR).

Our mrQ software can be freely download:

- [https://github.com/mezera/mrQ](https://github.com/mezera/mrQ)

hare, troubleshoot and discuss in our mrQ Forum:

- [https://groups.google.com/forum/#!forum/mrq-forum](https://groups.google.com/forum/#!forum/mrq-forum)

Supplement example data for mrQ software:

- [A sample MRI data and quantitative a running scripts and MRI quantitative map outcomes form mrQ](https://github.com/mezera/mrQ) Nov, 2015.

- [Sample MRI data and quantitative map outcomes for the publication: "Quantifying the local tissue volume and composition in individual brains with MRI." Nature Medicine 2013.](https://github.com/mezera/mrQ)

Collaborators:

- [Brian A. Wandell, Stanford's Center for Cognitive and Neurobiological Imaging.](https://github.com/mezera/mrQ)

- [Jason D. Yeatman, Institute for Learning & Brain Sciences, University of Washington's.](https://github.com/mezera/mrQ)

- [Franco Pestilli, Indiana University Bloomington.](https://github.com/mezera/mrQ)

- [Nikola Stikov and Julien Cohen-Adad, NeuroImaging Research Laboratory at Polytechnique.](https://github.com/mezera/mrQ)
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