

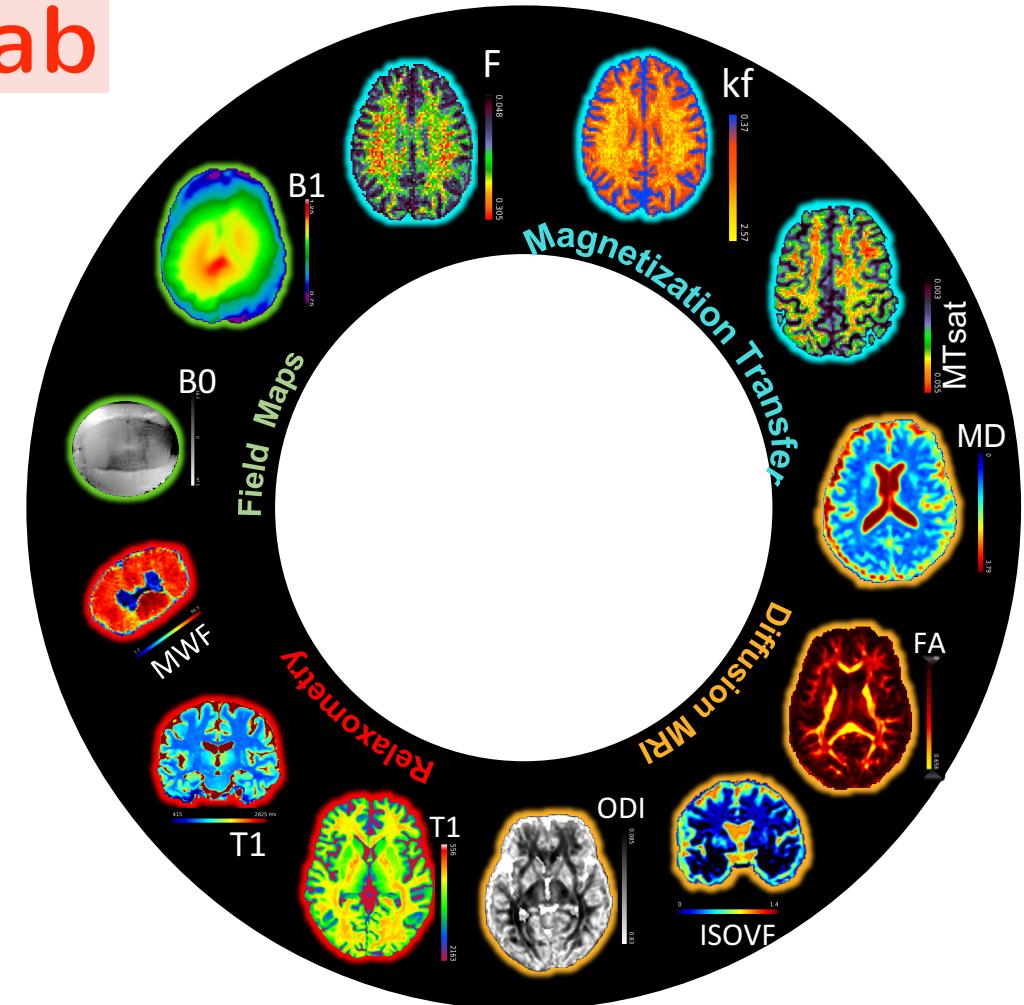
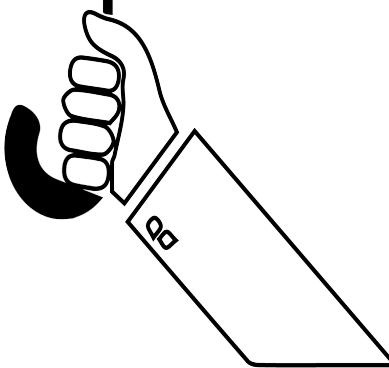
There are other quantitative
MRI methods other than
diffusion imaging!

Let's bring quantitative MRI
methods under one umbrella!

<https://github.com/neuropoly/qMRLab>



qMR
Lab

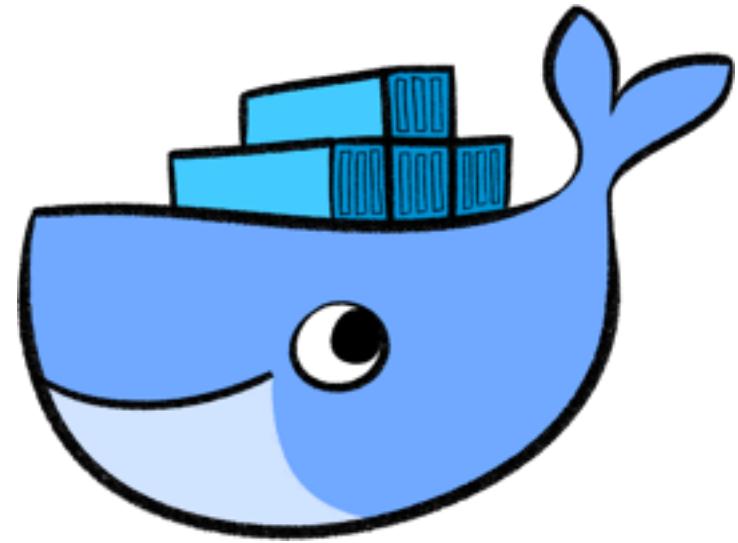




I have a tool



Uh! Dockerized qMRLab



And I have a Docker



1 - Initialize qMRLab

```
In [1]: cd('qMRLab');
startup

warning: function /home/jovyan/work/qMRLab/External/NODDI_toolbox_v1.0/ParforProgMonv2/example.m shadows a core library function
warning: called from
    startup at line 1 column 1
warning: function /home/jovyan/work/qMRLab/Common/pulse/sinc.m shadows a core library function
warning: called from
    startup at line 1 column 1
loading struct
loading optim
loading io
loading statistics
loading image
```

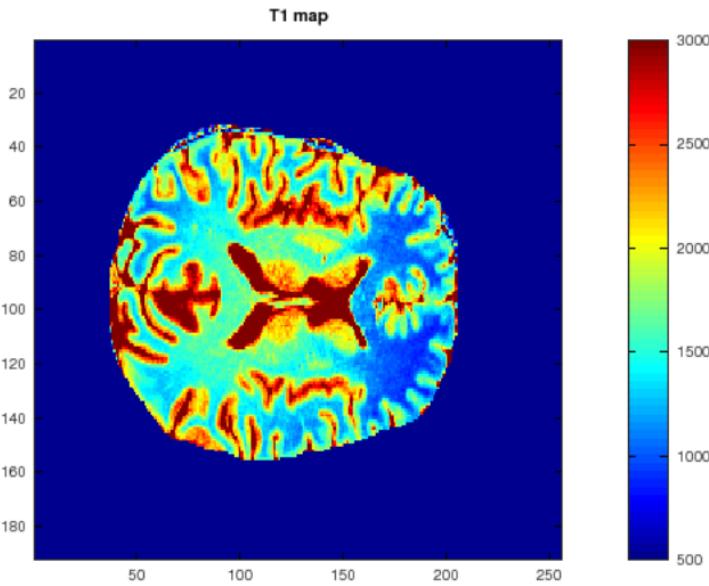
2 Download BIDS data from OSF

```
In [2]: urlwrite('https://osf.io/ym9k6/download','BIDSsample.zip');
```

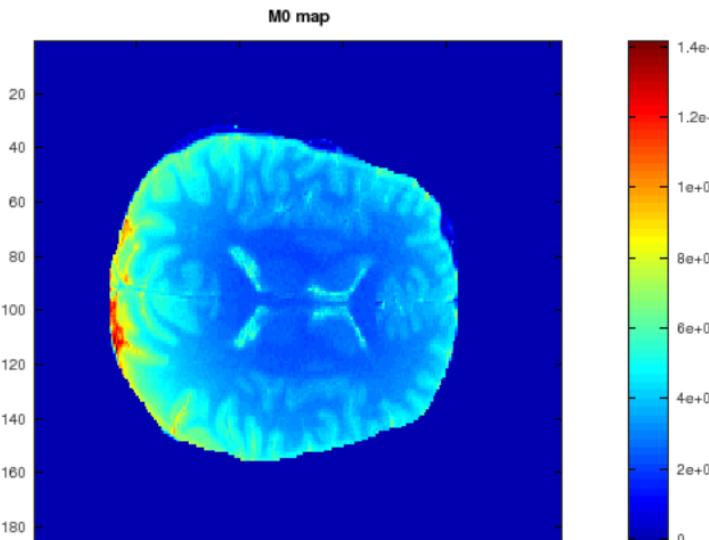
3 Just show BIDS data to qMRLab

```
In [12]: qmrFitBIDS('/home/jovyan/work/BIDS');
```

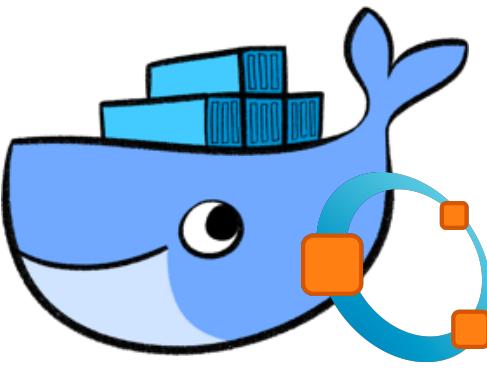
```
In [25]: cd('/home/jovyan/work/BIDS')
load('FitResults.mat')
T1 = FitResults.T1.*1000;
imagesc(T1); caxis([500 3000]); colormap('jet'); colorbar; title('T1 map')
```



```
In [29]: T1 = FitResults.M0.*1000;
imagesc(T1); colormap('jet'); colorbar; title('M0 map');
```



What did I do in BrainHack MTL



binder

What I'd like to learn in Brain Hack School?

