## MRI Data

Chapter 3 & 5 Extracting T1, T2 and DTI.



DTI images

T1 & T2 images

### FreeSurfer

# DTI

Chapter 5 mri\_convert dt\_recon

tensor.nii.gz

## Segmentation

Chapter 3 & 4 recon\_all mri\_binarize

surfaces



# Nibabel & Numpy

Chapter 5
prep\_tensor.py
dti2dolfin.py

mesh w/ tensor

### SVMTK

Chapter 4 Surface repair Mesh generation Mesh tags



Mesh conversion



# FEniCS

Chapter 4 & 6 Scalar diffusion PDE Tensor diffusion PDE

