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Brief Introduction

- My algorithm is automatic, costing about 1.86sec per scan on Nvidia TitanX GPU machine.
- I only use the thick-slice T1-weighted scan
- My algorithm listed as the following step:
  - Per-train VGG based Fully Convolutional Neural Network on ImageNet
  - Loading T1-weighted as 2D slicer, duplicate the 2D image to 3 channel fitting VGG input.
  - fine-tune using adam optimizer
- Since this is my first trying of medical image, very little optimize for domain specific. The FCN is proved work well on sense segmentation, but never be used on medical image segmentation according to my knowledge. If my algorithm works well on MRBrainS, this may owns to Transfer Learning.
- My training set only use the 5 labeled brains provided by MRBrainS challenge.