

Vnet_pytorch

We implemented V-net using Pytorch to automatically segment out prostate. All the pre-processing, data augmentation and layers are same as the original V-net implementation [1], except the optimization algorithm is changed to Adam built in Pytorch. This is because the Pytorch SGD optimizer is greatly different from the SGD solver in Caffe. This implementation will be applied as baseline in my new study.

1. Milletari F, Navab N, Ahmadi S-A. V-net: Fully convolutional neural networks for volumetric medical image segmentation. 2016. IEEE. p 565-71.