
False positive reduction

vrlzy1412@gmail.com

We trained a 3D CNN with a specific training strategy, which is to select the samples with largest loss to train the network. Every iteration we calculate the loss of every sample in a large-batch involving N samples with the current model, and select the K/N samples with largest loss as a mini-batch by sorting the samples by loss. In our implement we set K/N to 64/400. We only use the mini-batch to update the model.

We use the dataset provided by the challenge to train the network and perform 8-folder cross validation. We also augment the dataset to set the positive/negative ratio of samples to about 1:11. The result is from single model.