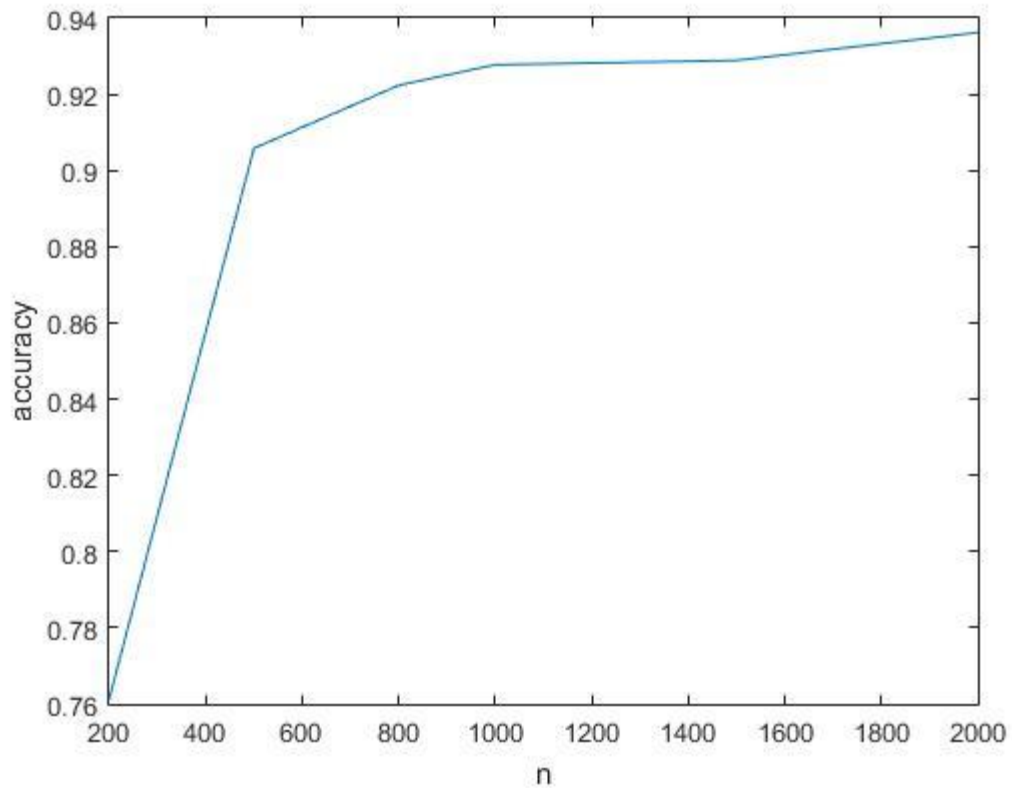


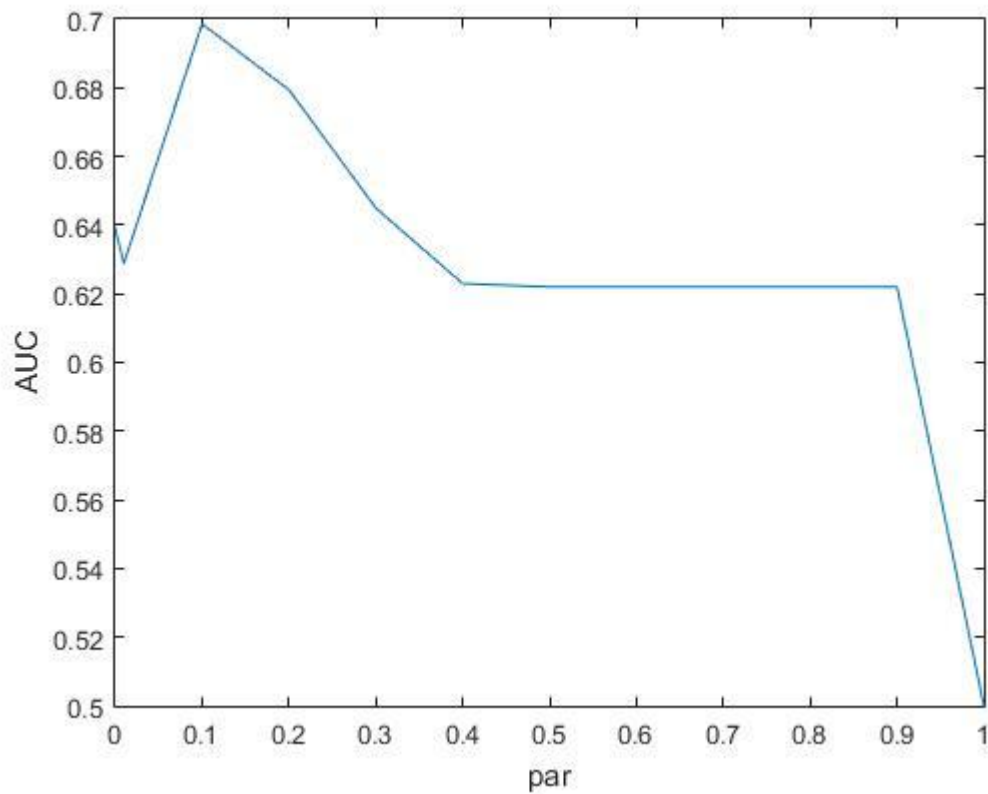
1. The Accuracy are 0.7612, 0.906, 0.922, 0.928, 0.929, 0.936



As the training size increase, AUC increase.

2. The AUC are 0.639 0.629 0.699 0.679 0.645 0.623 0.622 0.622 0.622 0.622 0.622  
0.500

The figure is



The AUC first increase then decrease. That is because at first the data dimension is too high. The model is overfitting. When the par increase, overfitting is prevented. AUC increase. But when the par is too high, too many weights are zero. Some useful feature are not used in the model. Hence AUC decrease.