hw4\_sol Haoyuan Du 5500151

du000078@umn.edu

文本, 信件

描述已自动生成

文本, 信件

描述已自动生成

3. a.

文本

描述已自动生成

Use θ = 0.2, the accuracy is 0.872.

b.

the less the θ is, the more complex the tree is. Although when θ = 0.01, the training accuracy and validation is high, but it’s overfitting. To avoid overfitting, we need to choose the tree that has the highest test accuracy.