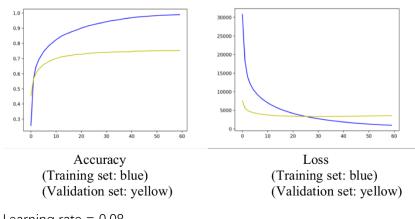
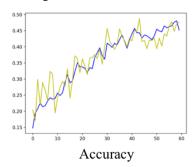
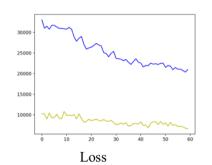
## Homework 3: Neural Networks for Recognition Ruiqi Wang

• Learning rate = 0.008; Accuracy = 76.09%

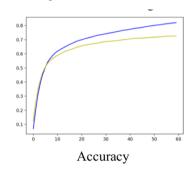


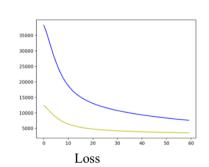
• Learning rate = 0.08



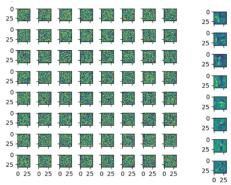


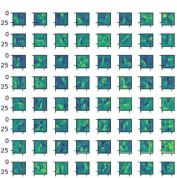
• Learning rate = 0.0008



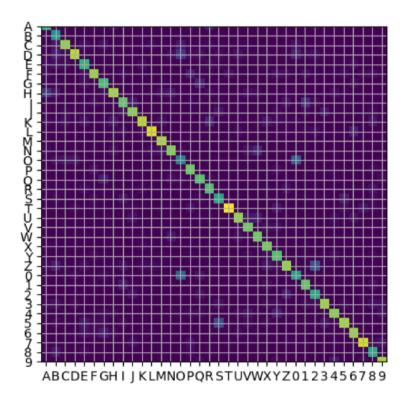


• Image before training and after 20 iterations:





## Confusion Matrix:



• Letter Detection:

