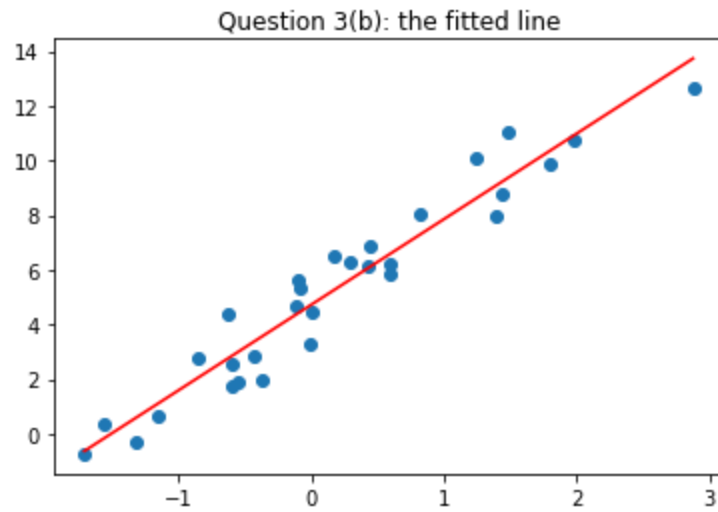


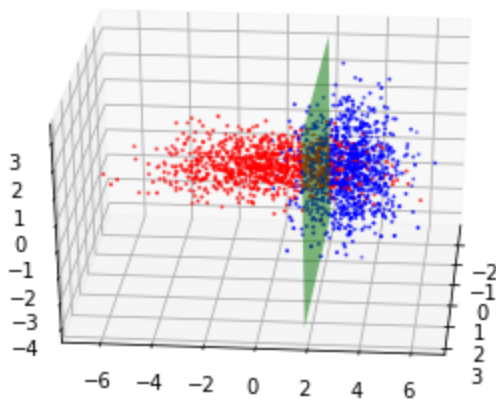
**CSC311**  
**Assignment 01 (figures)**  
**Ye Huang**

**Q3(b).**



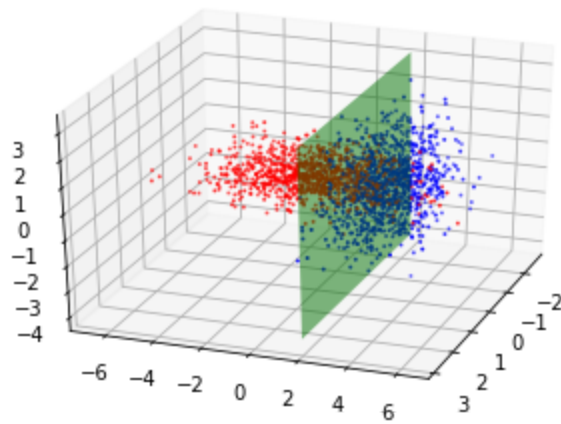
**Q4(c).**

Question 4(c): Training data and decision boundary



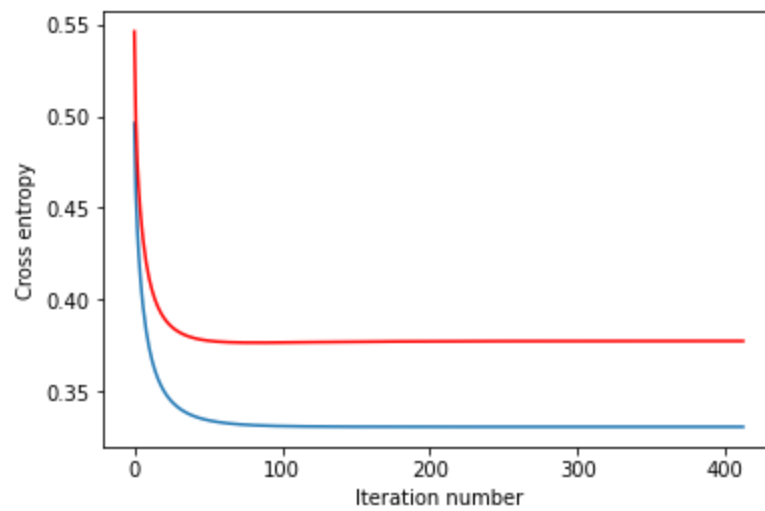
**Q4(d).**

Question 4(d): Training data and decision boundary



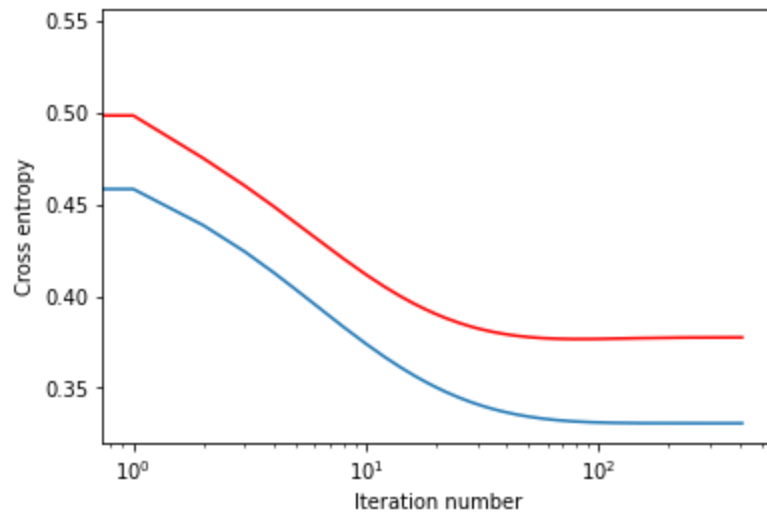
**Q5(f).**

Question 5: Training and test loss v.s. iterations



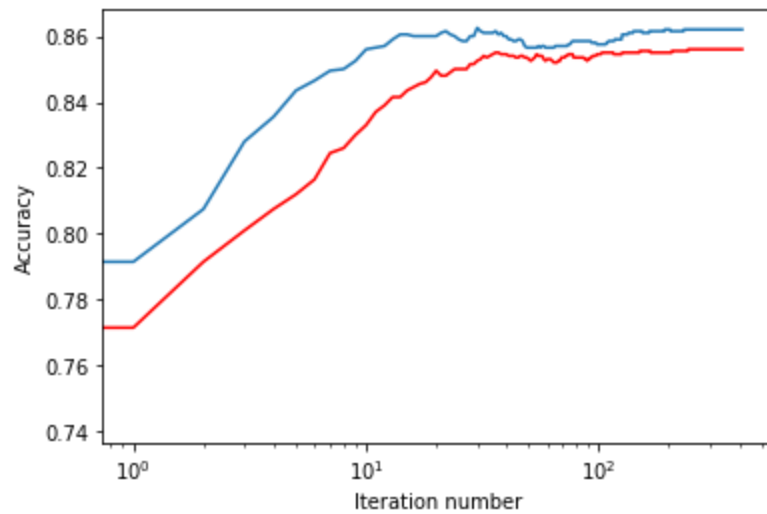
**Q5(g).**

Question 5: Training and test loss v.s. iterations (log scale)

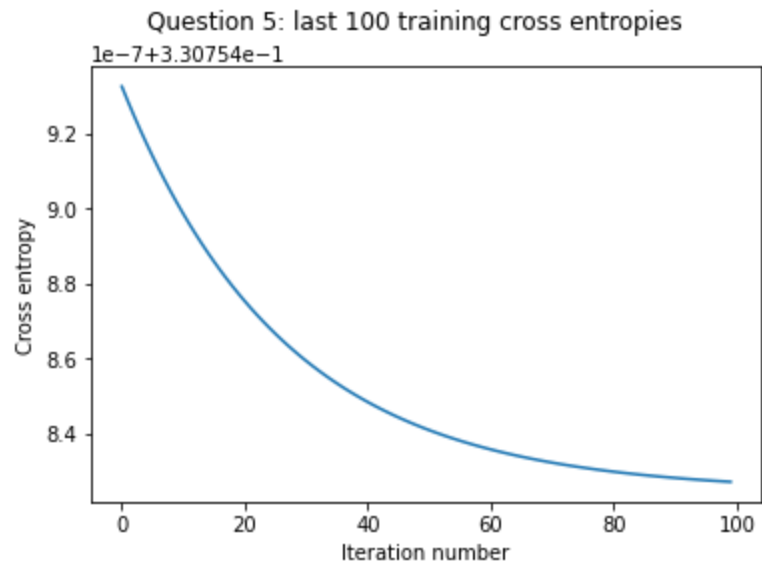


**Q5(h).**

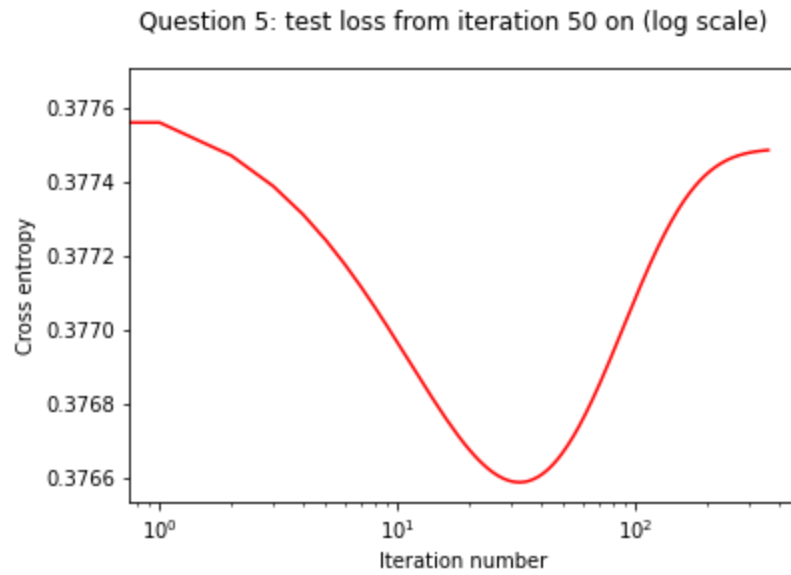
Question 5: Training and test accuracy v.s. iterations (log scale)



**Q5(i).**

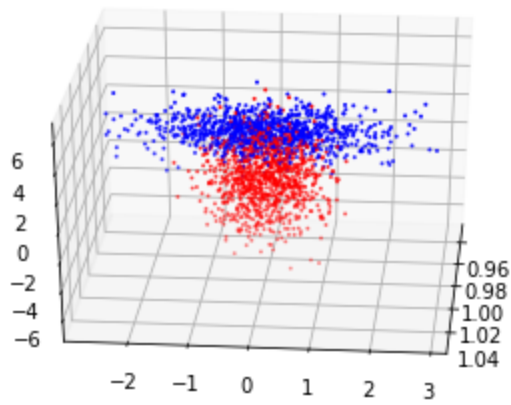


**Q5(j).**



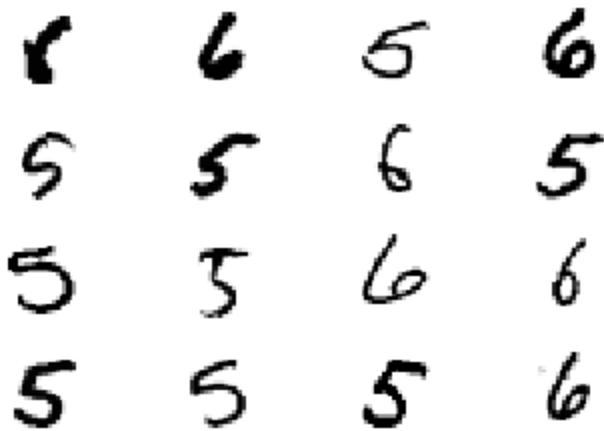
Q5(k).

Question 5: Training data and decision boundary



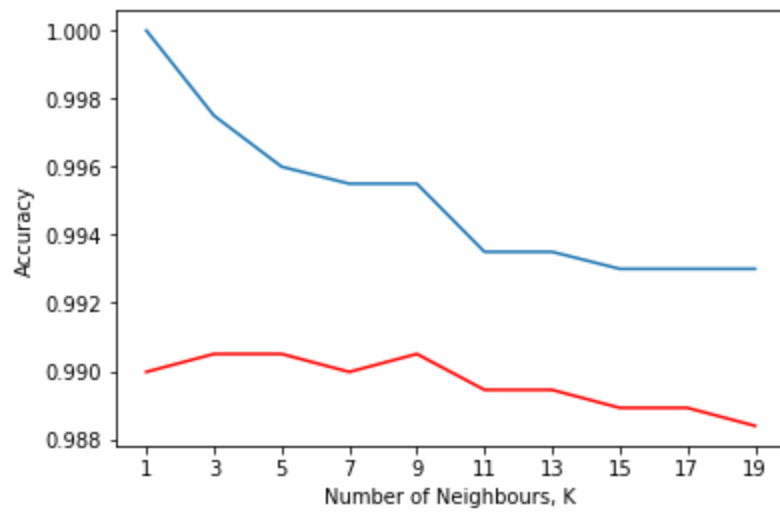
Q6(b).

Question 6(b): 16 MNIST training images.



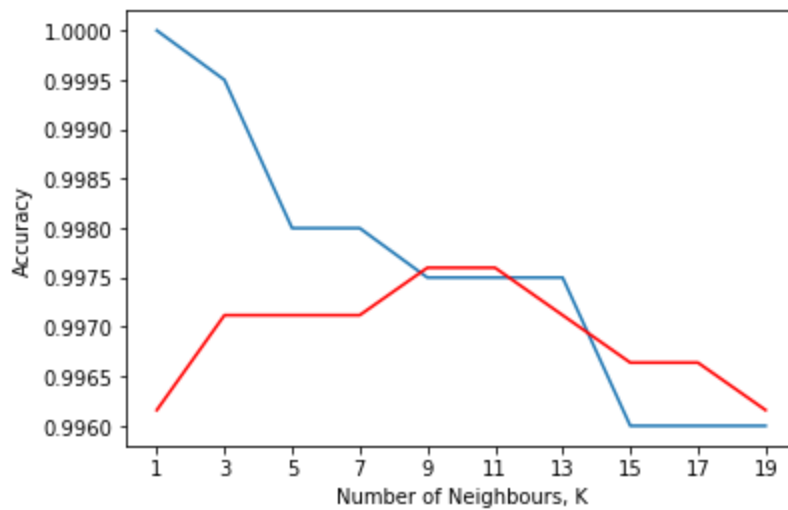
**Q6(c).**

Question 6(c): Training and Validation Accuracy for KNN, digits 5 and 6



**Q6(d).**

Question 6(c): Training and Validation Accuracy for KNN, digits 4 and 7



**End of Assignment**