

Weilin Lu
Assign7
Bank Notes
Q4
1

Just f1 miss

Accuracy: 42%

Just f2 miss

Accuracy: 48%

Just f3 miss

Accuracy: 46%

Just f4 miss

Accuracy: 50%

2

No, as the result from last week, the best k value is 3 and the accuracy is 98%

3

If F1 miss, it will have the lowest accuracy

4

If F4 miss, it will have the highest accuracy

Q5

2

TP: 28
TN: 22
FP: 0
FN: 0
Accuracy: 100%
TPR: 1.000000
TNR: 1.000000

TP	FP	TN	FN	Accuracy	TPR	TNR
28	0	0	22	100%	1	1

3

Yes, it is

4

Yes, it is

5

[0] It is the same label as it predicted by knn

Q6

1

F1 miss

Accuracy: 42%

F2 miss

Accuracy: 48%

F3 miss

Accuracy: 52%

F4 miss

Accuracy: 46%

2

No, as show before, it decrease a lot

3

If F1 miss, it will has the lowest accuracy

4

If F3 miss, it will has the highest accuracy

5

For the result, it seems like it obtained using k-nn