

# Assignment 1 Assignment 1

## 1

Using the code given in the appendix we created the scatterplot in figure 1.

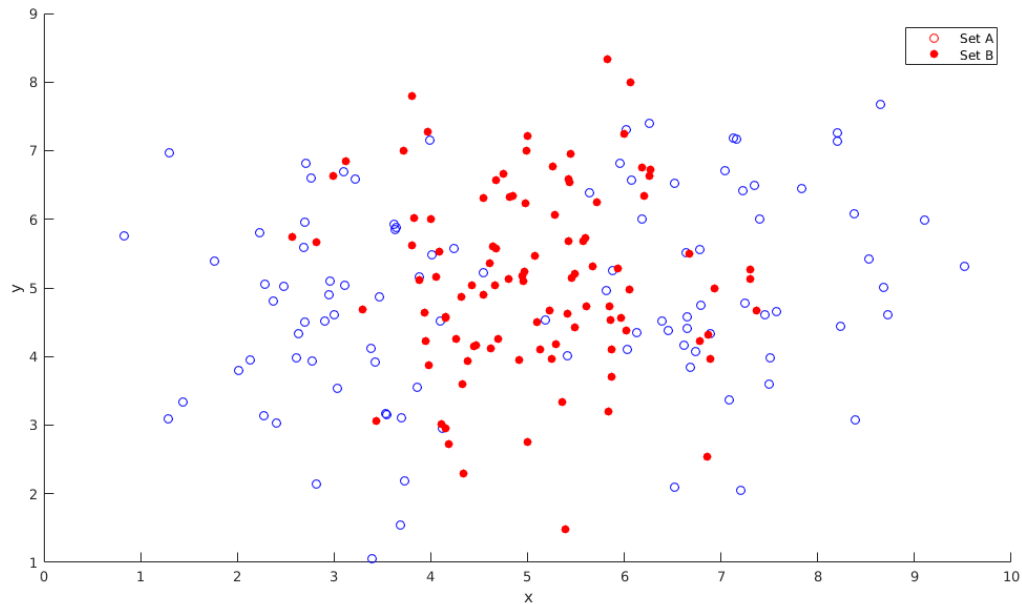


Figure 1: Scatterplot for the two classes.

The plot shows that there are at least three prototypes needed to approach a fairly well classification of these data. Two for set A, which should probably be located around (3, 4.5) and (7.5, 5.5), and one for set B somewhere around (5, 5).

## 2

## Appendix

../Code/Ass1\_1.m

```
1 hold on;  
2 scatter(matA(:,1),matA(:,2), 'blue');  
3 scatter(matB(:,1),matB(:,2), 'red', 'filled');  
4 xlabel('x'); ylabel('y'); legend('Set A', 'Set B');  
5 hold off;
```

## Pattern Recognition Practical 4

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