MACHINE LEARNING – WORKSHEET 7

1- SVMs use hyperplanes as decision boundary for classification

SVMs use hard margin classifier.

SVMs uses kernel functions to avoid computational load of converting the whole dataset in to higher dimensional space where the data is linearly separable

2- Both are equal

3- Higher the value of gamma of RBF the more flexible the classifier curve becomes in the original dimensions.

A very high value of gamma may lead to overfitting.

4- Both of them can be used

5- The margin width will Increase

6- Figure A

7- D3>D1>D2

8- Gamma2 > Gamma 1

9- What does this signify? A) T

10- A large number of misclassification would happen