Pattern Recognition Techniques
Lab-Exercise-5: Learning Vector Quantization (LVQ)

Instructions:

1. **Learn the basics of LVQ and its Implementation procedures / Algorithms from Online resources.**
2. **Implement simple LVQ with any Dataset of your choice using any of the Language and Post the Code and Output screen shots in a Document file**
3. **Do not Copy the entire code from online source, advisable to modify or write your own code**

Some Online Resources are given below:

Basics of LVQ:
http://ccy.dd.ncu.edu.tw/~chen/course/Neural/ch4/index.htm
Python Implementation:
https://www.geeksforgeeks.org/learning-vector-quantization/
Python Implementation
https://machinelearningmastery.com/learning-vector-quantization-for-machine-learning/
MATLAB Implementation
https://www.mathworks.com/help/deeplearning/ug/learning-vector-quantization-lvq-neural-networks-1.html
R Implementation
https://www.datatechnotes.com/2018/10/learning-vector-quantization.html
Java Implementation
https://gist.github.com/stes/1519645

Implementation

LVQ was implemented on the same dataset as the previous exercise i.e., Iris Dataset.
Comparison was implemented with K – NN and Random Forest Classifier