Homework Chap. 6

Artificial Neural Networks

1. Implement an MLP using Keras to perform a machine learning task of classification, which at least contains 5 attributes. The training and test datasets should have, at least, 1000 and 300 records, respectively. You may use simulation or real-world datasets to perform this experiment. Write a briefly report to compare and discuss the experimentation results by varying various parameters such as number of layers, learning rate, hidden nodes, etc.

2. Redo Problem 1 as above but with Naïve Bayes classifier.

Ps. Refer to the reference code at
https://colab.research.google.com/drive/12mXqm4wySKwothI4wKiOzPRUzyoSHYXi.