Lab 07 Reflective Journal

Initially, several difficulties were encountered attempting to run all of the code cells after successfully installing the libraries and setup of the development environment. With assistance, I was able to overcome the errors and ultimately completed the assignment.

The lab required training the model with k-NN classifier to evaluate the model. The decision-making process is iterative, and involves going back and forth between steps as you learn more about the problem, data, and the model's behavior. Decisions need to be made about the number of layers, their type, and the activation functions used.

With the existing code, and using a k range of 3, the model's performance and accuracy rate was k=1, 35.39% and k=2, 31.16% respectively.

After loading and normalizing the data, training the model using 2 Epochs, the validation accuracy increased, though the overall model accuracy remained flat.