

Assignment 2

Using Fruit images dataset, develop a CNN model to detect and classify different fruit varieties. After training and validating the proposed model, evaluate it based on accuracy, precision, recall, history plots (loss accuracy), and show a figure that present the accuracy vs Epoch (consider results till Epoch 200).

Please be sure to submit your Google Colab file along with a report (Max 5 pages) which discuss the code discussions and functions and analysis of the results. Also, please provide a comparison between your results and the results can be found at:

Siddiqi, R., 2020, July. Comparative performance of various deep learning based models in fruit image classification. In Proceedings of the 11th International Conference on Advances in Information Technology (pp. 1-9).

The paper is also uploaded at Canvas. Please compare the results of this paper with your results. Also, note it is required to make a video to go through your code and analysis of your results. The video have to be less than 10 minutes.