Team Project - Machine Learning in Python

Project Specifications

1. Create an Image Classifier (CNN model) to classify images of fruits correctly.

2. A **Fruits** dataset is provided that consists of these 4 classes:

   - Apple only

   - Orange only

   - Banana only

   - A mix of the above 3 fruits

3. Use the images in Train.zip and Test.zip to train and test your image classifier.

4. Document your experiments and results in improving your model's accuracy.

5. Here are examples of activities that can improve a model's accuracy would be

   - Balance out the number of samples in each class

   - Correct any mis-labelling in any of the 4 classes

   - Image Augmentation to generate more data

6. Use Matplotlib to generate any plots that you think can help the reader understand your work better.

Deliverables

Please hand in a Jupyter notebook of your team's work, which includes all narrations, codes and plots.

Submission

Please name your submission as <Team_Number>.ipynb. For example, if you are in Team 1, then your submitted filename should be Team1.ipynb.