Machine Learning in Python - CA

Project Specifications

1. A **Fruits** dataset is provided for this project, and it has images of (1) apples, (2) oranges, (3) bananas and (4) a mix of apples, oranges and bananas.

2. Your task is to implement a **CNN** to recognize the 4 classes accurately.

3. Use the images in the "train" folder to train your image classifier.

4. Then, test the accuracy of your image classifier using images from the "test" folder.

5. Document all your experiments and results. For example, what was done to increase the accuracy of your image classifier (e.g. image augmentation).

6. Use Matplotlib to produce any plots that help the reader understand your work better.

Deliverables

Please hand in a **Jupyter notebook** of your team's work, which includes all experiments, insights and results (code and plots).

Teams

Please adopt the Team A / Team B structure - that is, work within your designated sub-team.

Submission

The deadline for this project is **28 Nov 2021, 6pm**.

Please name your submission as <Your_Team_Number><A_or_B>.ipynb. For example, if you are in Team 1A, then your filename should be Team1A.ipynb.