DLP Week 9: Image Classification Kaggle Competition Instructions

Dear Students,

Please read the instructions below for Week 9's Graded Kaggle Competition for Image Classification.

Task

Develop a model that can classify images of animals and plants with the best F1 score.

Deadline

- Competition Deadline: Sunday, 16th Mar 2025, 05:00 PM.
- Final Leaderboard Results: Monday, 17th Mar 2025, 1:00 PM.

Important Links

- Kaggle Competition: Link
- Dataset (Google Drive): Link
- Notebook Submission Google Form: Link

Important Note

Join the Kaggle Competition with your institute roll number as the team name. Submissions not following this rule will not be graded.

Dataset

The dataset consists of two folders:

- **Train Folder:** Subdivided into 10 subfolders, each containing 1,000 images. The names of these subfolders correspond to the labels of respective classes.
- **Test Folder:** Contains 2,000 images in a single folder. Your task is to predict their labels.

The dataset is available on the Kaggle Competition page and the Google Drive link provided above.

Evaluation

Submissions will be ranked on the leaderboard based on the weighted F1 Score. Final rankings will determine grading.

Submission Guidelines

- Submit the predicted labels as a CSV file on Kaggle in the specified format.
- Submit the Jupyter Notebooks along with the readme (as a zip file) using the Google Form mentioned above. The readme should contain the steps to run the Jupyter Notebook and your analysis of the chosen model. Your code should contain appropriate comments for better readability.
- Rename both files as `ROLL_NO.ext`, where `ROLL_NO` is your institute roll number and `ext` is the appropriate file extension.
- The Google Form can be submitted only once. Ensure correctness before submission.
- The deadline for the Google Form is the same as the competition deadline.

Note: Please go through the Kaggle Competition Page for detailed instructions before submission. Submission of the readme along with the code is mandatory. A failure to comply with the guidelines will lead to a zero mark.

Contact for Queries

For clarifications, contact the instructor- Amartya.