

Project 8 (Disaster Classification)

Task description:

Given an image as an input, the task is to classify the image into one of the four categories: CYCLONE, EARTHQUAKE, FLOOD, and WILDFIRE.

Dataset:

	Train	Validation	Test
CYCLONE	400	100	100
EARTHQUAKE	400	100	100
FLOOD	400	100	100
WILDFIRE	400	100	100

Train and Validation data: [Click here](#).

Note that, there is no .excel, .tsv, .csv, or .txt file containing annotated information for training and validation. Rather than the training, validation files are stored in separate sub-folders and folders with appropriate names that can be used for annotation purposes. The students are expected to curate a dataset out of the training and validation files and train a classification model.

Test submission format:

For evaluation, all the test cases will be supplied at the end. Each test case will be marked with a unique id, such as test_0, test_399, etc., under the column named 'ID'. The students are expected to create a submission file in the following format, **[team_name]_DisasterClassificationTask_submission.xlsx** (e.g., MLTitans_DisasterClassificationTask_submission.xlsx) with columns names 'ID' and 'LABEL' containing the unique ids of the test cases and the corresponding predicted labels, respectively.

For the classes, cyclone, earthquake, flood, and wildfire - use the following labels: CYCLONE, EARTHQUAKE, FLOOD, and WILDFIRE, respectively.

Evaluation

For this classification task, we will use categorical Precision, Recall, and F1 scores for each category as well as Macro Precision, Recall, and F1 scores for overall assessment.

Feel free to contact us in case of any enquiry.