Face Expression Detection: Multiclass Image Classifier

Overview:

Recognizing Facial expressions is a trivial Task for Humans but a challenging aspect for Algorithms. The data consists cropped images of faces. The faces have been automatically extracted such that the face is more or less centered and occupies about the same amount of space in each image.

In this Hackathon your task is to build a CNN Classifier capable of detecting emotions from a cropped Face.

Training Data:

It contains Seven folders of cropped human face, the name of the folder represents the labels.

Labels of categories are:

- Angry
- Disgust
- Fear
- Happiness
- Sadness
- Surprise
- Neutral

Test Data:

To avoid manual labeling by participants test Data is hidden and will be used to evaluate at final stage of submission.

Public and Private LeaderBoard

- Your initial responses will be checked and scored on the Public data.
- The final rankings would be based on your private score which will be published once the competition is over.

Evaluation Criteria

Your model performance will be evaluated on the basis of the **Accuracy Score**.

Rubric

Component	Weightage
Data Cleaning and Data Visualization	25%
Model Building and Evaluation	60%
Pipeline and Deployment (Dashboard/Webapp)	15%