



Advanced Assignment

Problem Statement:

You are given a dataset of 624 images. Explore this dataset on your own first. Each image contains 1 person. You are supposed to create a model whose task is to classify the person in the given image based on 3 things:

1. Which direction is the person looking?
2. What expression does the person have on their face?
3. Is the person wearing sunglasses or not?

After training and testing the model, report the following to your mentors (and post on your GitHub repo):

1. Training, test and validation accuracy.
2. Test precision and recall of each of the variables. (optional)

You will also be required to upload your entire code to your GitHub repo. Document everything you've done properly. Your results and code will be looked at thoroughly. Do **NOT** share this document or the dataset with anyone else during the training period.

Dataset:

[Click Here](#)

Misc.

Make sure your laptop / desktop / computing-device can handle training a complex model. To those who can't, please do not burn your computational units. Use Google Colab. If you're unsure, check online or ask us.