**Achieved:**

**Purpose:**

To predict whether people will have uncomfortable glare for a given scene using a image-based machine learning model

**Model Training:**

Input: images and binary answers of uncomfortable glare

Label: have 2 labels corresponding to Yes and No

Prediction: The model will output the percentage for each label, and we use the maximum label as a judgment criterion to predict

**Advanced study:**

**Purpose:**

Considering that different people may not have the same judgement on the uncomfortable glare, we expect that the model to predict the DGP of the picture.

Now we can directly output the probability of the Yes label in base model as the predicted DGP. As a result, the average numerical percentage difference between the model predictions and the experimental results is now 13.56%. To improve the accuracy of predicting DGP, we will change the algorithm and modify the labels

**Directions:**