CASE STUDY – AGE DETECTION USING IMAGE

Website: www.analytixlabs.co.in
Email: info@analytixlabsl.co.in

BUSINESS CONTEXT:

Indian Movie Face database (IMFDB) is a large unconstrained face database consisting of 34512 images of 100 Indian actors collected from more than 100 videos. All the images are manually selected and cropped from the video frames resulting in a high degree of variability interms of scale, pose, expression, illumination, age, resolution, occlusion, and makeup. IMFDB is the first face database that provides a detailed annotation of every image in terms of age, pose, gender, expression and type of occlusion that may help other face related applications.

For more details about the data set, read here:

http://cvit.iiit.ac.in/projects/IMFDB/

DATA AVAILABILITY

The dataset is cleaned and formatted to give you a total of 26742 images with 19906 images in train and 6636 images in test.

The task is to predict the age of a person from his or her facial attributes. For simplicity, the problem has been converted to a multiclass problem with classes as Young, Middle and Old.

The attributes of data are as follows:

ID – Unique ID of image

Class – Age bin of person in image

File descriptions:

train.csv - the training set, contains labels for each image

test.csv - the test set, you must predict the age for each image.

Note:

This problem can be solved using any machine learning algorithm. However, you required to use any deep learning technique to solve the problem.