

# Human Age Detection

The Human Age Detection Model is a deep learning algorithm used to detect the age of a person based on an image. Here the algorithm first extracts the face from an image and then classifies it to an appropriate age group based on the features extracted from the face.

The entire process can be divided into 2 parts

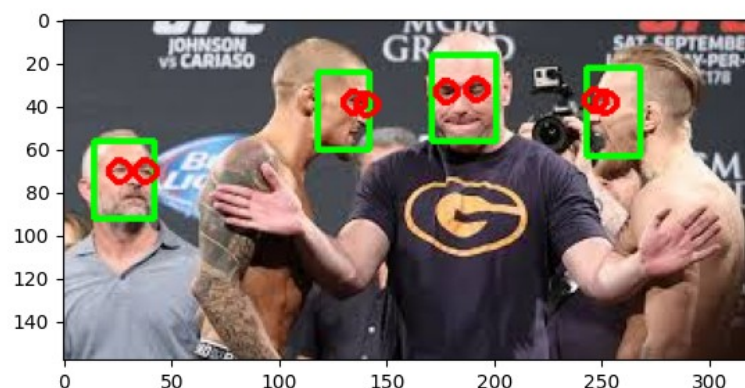
## 1) Face Detection and Extraction

Multi-Task Cascade Convolution Neural Network, Haar Cascade, dlib and many other techniques can be used for face detection and extraction

### Input for face detection and Extraction:



### Output of Face Detection:



Similarly face extration gives output image containing only the content of green box.

## **2) Age Detection:**

We can build our own neural network for this purpose or use pretrained mmodels such as ResNet , VGG16, VGG19, Inception etc..