Forial Expression Recognition via Deep Learning

The Fault expression recognition is a difficult problem for martine having. Deep learning will extract features automatially know the gives april image. Here, dup learning method, sperifically con is need for fairal expression renognition. The architecture is firetured wife voice het. The databout used are CR+, muon and RAFD. The proposed Govern coreists of four corrobutional largess for which the Pint three is bollowed by man pooling bayer and the last convolutional layer is followed by softmanlayer Ruly connected layer and it is followed by softman larger for 6 expression classes like argny, Rear, happy, neutral, sad and surprise. The dataset which is a combination of ckt, multi and RAFD comthing of 37000 images are needed out of which 33000 are used for training step and the rest for testing set. The model is brained noith images in which the ball is in one position. The model will take band images as input and classifies it into one of the 6 hural expressions.

Our project classifies the input backd images into 9 thavas. Their paper classifies the input facial image into 6 facial expressions and both are using convolutional Neuval Network (CNN) for Feature extraction and classification.