

# Estimation of Age from Human Facial Features

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**Working area:** Image Processing

**Abstract** - Human age classification automatically via facial image analysis has lots of potential real-world applications like human computer interaction. Facial aging has been added to the problem of face recognition which poses many practical and theoretical challenges in computer vision systems. Human age classification system consists of aging facial features along with facial feature classification. Facial age estimation is an approach to classify facial images into four groups. For implementation, local features and global features are found. By studying features like skin, wrinkle, shape and appearance of the image, we can classify the images into different age groups. One can observe the face skin of an older person is not as taut as that of younger ones. During early growth and development of the face, from birth to adulthood there is great change in shape (face size), which increases gradually. The merit of the proposed approaches for facial image-based age estimation can be shown by experiments on the database.