Subjective Age Estimation using Facial Images – the Effects of Gender, Expressions and Age Groups –

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Abstract: We propose a relative estimation method for subjective age, imaged by ourselves, using peoples' facial images and their chronological (real) age.   We experimented with a rating scale for facial images which stimulated subjects.   The subject evaluated an images as looking older than themselves with a range of responses.   Finding an approximation curve of this range, the zero crossing point in the approximation curve is defined as the subjective age.   The experimental result shows that the subjective age tends to be found in negative direction (tendency to estimate oneself as younger than actual).   Besides, there are other trends between gender, between age groups, and between the different expressions such as ordinary and smiling.