Abstract

Age is an important trait used for identity authentication. The factors that affect aging process include a person’s gene, health, living style etc. Age Estimation is predicting a person’s age. Out of these, face is the most convenient one. Age Estimation has lots of real-world applications, such as security control, biometrics, customer relationship management, entertainment and cosmetology. In this paper, we compare some of the techniques used in the age estimation based on face images. The most commonly used database is FG-NET. The most commonly used age estimation method is regression based because it takes into account the inter-relationship among the age values. Age Estimation via Grouping and Decision Fusion provides minimum MAE, 2.81 for FG-NET and 2.97 for MORPH II.

References

1. Xin Geng, Zhi-Hua Zhou, Kate Smith-Miles, “Automatic Age Estimation Based on Facial Aging Patterns,” IEEE Trans. On Pattern Analysis And Machine Intelligence, vol. 29, no.12,
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