Motivation & Goal

In recent years, systemic biases inherent to several facial biometrics systems have been reported in several preliminary studies. In this context, a biased algorithm produces statistically different outcomes (decisions) for different groups of individuals, e.g. based on sex, age, and ethnicity. This project will investigate the impact of such demographic factors on facial manipulations (e.g. make-up, tattoos, beautification, presentation attacks etc. and algorithms for automatic detection thereof).

Tasks

- Selection/creation/annotation of suitable databases of facial images
- Experimental evaluation of the impact of demographic factors on the selected facial manipulations

Requirements

- High motivation and creativity
- Good programming skills
- Strong interest in research
- Good analytical skills

By Date

By now / by appointment

Contact

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