Less Machine (=) More Vision

Approaches towards Practical and Efficient Machine Vision with Applications in Face Analysis

Gudi, A.A.

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Propositions

accompanying the dissertation

Less Machine (=) More Vision

Approaches towards Practical and Efficient Machine Vision
with Applications in Face Analysis

by

Amogh Anirudh Gudi

俳 1. Brain inspired deep nets.
But deep nets' training methods —
Can inspire humans'.

2. Installing showers and baths at universities will lead to better scientific output.

🎓 3. It is not possible to determine the point of gaze of a person in 3D using camera(s).

4. Misunderstandings during exchange of ideas between people is just as beneficial as it is detrimental.

5. It is not possible to prevent proliferation of dual-use technology while at the same time have significant levels of technical advancement.

🎓 6. The exercise of hand-crafting methods lets us understand the underlying mechanism behind the task better than designing self-learning systems.

7. The possibility of misuse of computer vision research in human observation is high enough to warrant a mandatory ethics review/approval process.

8. In the context of global over-consumption, the fastest way to improve our quality of life in the long term is to reduce our quality of life in the short term.

🎓 9. In machine learning, obtaining good examples for developing the expert's knowledge *a priori* is as vital as obtaining sufficient data for training the model itself.

10. Processing of images containing people in public for anonymized tasks is incorrectly interpreted as *processing of personal data* under European regulations (GDPR).

These propositions are regarded as opposable and defendable, and have been approved as such by the promotors prof. dr. ir. M.J.T. Reinders and dr. J.C. van Gemert.

🎓 This thesis. 俳 Haiku.