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Towards Artificial Social Intelligence in the Wild Sensing, Synthesizing, Modeling, and Perceiving Nonverbal Social Human Behavior

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Propositions

accompanying the dissertation




TOWARDS ARTIFICIAL SOCIAL INTELLIGENCE IN THE WILD

SENSING, SYNTHESIZING, MODELING, AND PERCEIVING


NONVERBAL SOCIAL HUMAN BEHAVIOR

by

Chirag Anantha RAMAN

1. For science, precision is more important than comprehensibility.
-  2. Proficiency in expressing concepts mathematically is critical for conducting good machine learning research. The skill becomes even more vital when conducting interdisciplinary research in Artificial Social Intelligence.
3. A skilled researcher can effectively argue both sides of an issue without personally believing in either.
-  4. Modeling low-level behavior dynamics from data is infeasible without incorporating social-science insights into machine learning methods.
5. Complexity does not equate to a lack of clarity.
-  6. To expedite the development of socially intelligent machines, perceived measures of behavior should be prioritized over self-reported measures.
7. For success in research, the perception of one's expertise holds greater significance than the expertise itself.
8. Curating datasets on social human behavior is a research undertaking that merits consideration as a stand-alone Ph.D. dissertation topic.
9. Demos bring funds. Real-time demos bring funds in real time.
10. To advance a field, experts should not impede the autonomy of non-experts.

These propositions are regarded as opposable and defensible,
and have been approved as such by the promoters
dr. H. Hung, prof. dr. M. Loog, and prof. dr. ir. M.J.T. Reinders.

 Pertains to this dissertation.