

## Stellingen

behorende bij het proefschrift

# Computing a Second Opinion: Automated Reasoning and Statistical Inference applied to Medical Data

van

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1. In order to keep healthcare accessible and affordable in the coming decades, routine aspects of care that are derivative of electronic medical data will need to be fully automated.
2. Interoperability of electronic medical data will act as a catalyst for rapid and widespread dissemination of automated applications in healthcare.
3. An ontology-based approach for ranking schizophrenia-related problems can form an intuitive and robust way to prioritize information in the same way as a clinician would.
4. Automated elucidation and interpretation of assessment results is feasible and can be considered helpful and relevant by patients.
5. It is possible—without having statistical expertise—to use a fully automated approach for vector autoregression that closely resembles the logic and decision-making of statisticians.
6. Automated vector autoregression on a large scale is feasible.
7. Security and privacy concerns are not a valid excuse for not using interoperable data formats. Even data that is not meant to be shared should be stored in interoperable data formats for it to be transferable.
8. The purpose of computing is insight, not numbers.

- Richard Hamming