

Stellingen

belonging to the dissertation

When is subjective objective enough? Frequentist guarantees for Bayesian methods

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Deze stellingen worden opponeerbaar en verdedigbaar geacht en zijn als zodanig goedgekeurd door de promotoren Aad van der Vaart en Botond Szabó.

1. The Pitman-Yor process should be avoided for distribution estimation if it cannot be guaranteed that the true distribution is discrete.
This proposition is based on the thesis.
2. Estimation of the type of a Pitman-Yor process is possible.
This proposition is based on the thesis.
3. Uncertainty quantification for Deep Neural networks is possible.
This proposition is based on the thesis.
4. Bayesian methods should also be analysed from a frequentist point of view.
5. Simulation studies should be used.
6. Mathematics is one of the correct tools to study statistical methods.
7. Presentation skills are necessary to be a succesful scientist.
8. Science is not a meritocracy.
9. Statistical theory is not needed to make succesful products using statistics or machine learning.