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## Scalability and uncertainty of Gaussian processes

Hadji, M.A.

### Citation

Hadji, M. A. (2023, January 25). *Scalability and uncertainty of Gaussian processes*. Retrieved from <https://hdl.handle.net/1887/3513272>

Version: Publisher's Version

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# Stellingen

behorende bij het proefschrift

## Scalability and uncertainty of Gaussian processes

van

Mohamed Amine Hadji

1. Bayesian procedures are worthy of being studied from a frequentist point of view
2. Adaptive near-optimal contraction rates of the posterior does not always imply adaptive coverage of credible sets (Chapter 2)
3. Assumptions on the class of functions to which the parameter belongs may influence the validity of any uncertainty statement (Chapter 2)
4. Logarithmic terms may have their importance in Bayesian non-parametric statistics (Chapter 2)
5. Distributed methods can decrease the computational complexity of a Gaussian process regression while still maintaining good frequentist properties (Chapters 3, 4 and 5)
6. Distributed adaptation is possible in the context of a Gaussian process regression (Chapters 4 and 5)
7. Statistics is a well-rounded mathematical discipline
8. No simulation study is a substitute for rigorous theoretical work
9. A research conference is more than a series of well-prepared talks
10. Since academia does not exist in a vacuum, it cannot realistically be a meritocracy