

## About the author

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Johan Larsson has been a PhD student at the Department of Statistics at Lund University since 2018 and has been supervised by Jonas Wallin and Małgorzata Bogdan. His research focuses on the field of high-dimensional statistics, in particular the numerical aspects of applying statistical models in this regime and how to speed up the process of doing so. This thesis is a compilation of six research papers in this area, encompassing contributions on screening rules, optimization algorithms, benchmarking, and feature normalization.

