Måns Magnusson

Publications

Submitted and arXived

Tuomas Sivula, Måns Magnusson, and Aki Vehtari. Uncertainty in bayesian leave-one-out cross-validation based model comparison.

Johan Jonasson and Måns Magnusson. Rapid mixing in unimodal landscapes and efficient simulated annealing for multimodal distributions.

Väinö Yrjänäinen and Måns Magnusson. Probabilistic word embeddings with laplacian priors.

Miriam Hurtado Bodell, Måns Magnusson, and Sophie Mützel. From documents to data: A framework for total corpus quality. a.

Miriam Hurtado Bodell, Måns Magnusson, and Marc Keuschnigg. Turning points in the swedish understanding of immigration, 1945–2019. b.

Oscar Oelrich, Shutong Ding, Aki Vehtari, Måns Magnusson, and Mattias Villani. When is Bayesian model inference overconfident?

Måns Magnusson, Richard Ohrvall, Katarina Barrling, and David Mimno. Voices from the far right: a text analysis of Swedish parliamentary debates.

Published (Peer reviewed)

Tuomas Sivula, Måns Magnusson, and Aki Vehtari. Unbiased estimator for the variance of the leave-one-out cross-validation estimator for a Bayesian normal model with fixed variance. *Communications in Statistics – Theory and Methods*, 2022.

Alexandra Borg Erik Edoff Fredrik Norén, Johan Jarlbrink and Måns Magnusson. The transformation of 'the political' in post-war Sweden. In *Digitised Newspapers – A New Eldorado for Historians?* De Gruyter Oldenbourg, 2022.

Alexander Terenin, Måns Magnusson, and Leif Jonsson. Sparse parallel training of hierarchical Dirichlet process topic models. *EMNLP*, 2020.

Akash Kumar Dhaka, Alejandro Catalina, Michael Riis Andersen, Måns Magnusson, and Aki Vehtari. Robust, accurate stochastic optimization for variational inference. *NeurIPS*, 2020.

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Måns Magnusson, Leif Jonsson, Mattias Villani, and David Broman. Sparse partially collapsed MCMC for parallel inference in topic models. *Journal of Computational and Graphical Statistics*, 27(2):449–463, 2018b.

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Leif Jonsson, David Broman, Måns Magnusson, Kristian Sandahl, Mattias Villani, and Sigrid Eldh. Automatic localization of bugs to faulty components in large scale software systems using bayesian classification. In *Software Quality, Reliability and Security (QRS), 2016 IEEE International Conference on*, pages 423–430. IEEE, 2016.

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Johan Lindh, Måns Magnusson, Maria Grünewald, and Anette Hulth. Head lice surveillance on a deregulated OTC-sales market: A study using web query data. *PloS one*, 7(11):e48666, 2012.

PhD Thesis

Måns Magnusson. *Scalable and Efficient Probabilistic Topic Model Inference for Textual Data*. PhD thesis, Linköping University, The Division of Statistics and Machine Learning, Faculty of Arts and Sciences, 2018.