

Special Issue

Probabilistic Methods for Deep Learning

Message from the Guest Editors

In this Special Issue, we aim to highlight work at the intersection of deep learning, probabilistic modeling, and statistical inference. In particular, we welcome work on Bayesian neural networks, deep latent variable models, deep ensembles, networks with statistical guarantees (e.g., via conformal inference), and probabilistic understanding of neural networks (e.g., via infinite limits).

- deep learning
- neural networks
- probabilistic modeling
- Bayesian statistics
- statistical inference
- uncertainty quantification
- robustness

Guest Editors

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The concept of entropy is traditionally a quantity in physics that has to do with temperature. However, it is now clear that entropy is deeply related to information theory and the process of inference. As such, entropic techniques have found broad application in the sciences.

Entropy is an online open access journal providing an advanced forum for the development and/or application of entropic and information-theoretic studies in a wide variety of applications. *Entropy* is inviting innovative and insightful contributions. Please consider *Entropy* as an exceptional home for your manuscript.

Editor-in-Chief

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