



Probabilistic Inference in Goal-Directed Human and Animal Decision-Making

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Deadline for manuscript submissions:
closed (18 October 2021)

Message from the Guest Editors

This Special Issue aims to focus on recent advances in probabilistic inference in goal-directed human and animal decision making, and we welcome submissions that:

- Shed light on the computations of neuronal circuits involved in goal-directed decision making, with a focus on the inferential mechanisms involved;
- Propose novel probabilistic models and methods in decision making including (but not limited to) information-theory approaches, statistical and free-energy minimization, hierarchical models, and deep networks;
- Introduce decision-making applications in ethological, social, psychological, psychiatric, robotics, and computer science research.

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Guest Editors





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Message from the Editor-in-Chief

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.

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