Entropy and Cross-Entropy for Decision Making Problems

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Message from the Guest Editor

This Special Issue focuses on the theories of entropy and cross-entropy with their application in decision-making problems. Entropy and cross-entropy play important roles in decision-making problems. During recent years, many generalizations of entropy and cross-entropy have been developed and some of them have been widely applied in decision-making problems. Entropy and cross-entropy can also be combined with other methods, such as machine learning and deep learning, to solve decision-making problems. Especially with the arrival of big data, new challenges have appeared for the application of entropy and cross-entropy in data-driven decision-making problems.

Special Issue

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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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