machine learning & knowledge extraction

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Extravaganza Feature Papers on Hot Topics in Machine Learning and Knowledge Extraction

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Message from the Collection Editor

Dear Colleagues,

As Editors-in-Chief of *MAKE*, we are pleased to announce a call for papers for the upcoming Feature Papers Topical Collection. This is a collection of high-quality open access papers written by Editorial Board Members or those invited by the editorial office and the Editor-in-Chief. Submitted work should take the form of long research papers (or survey or review papers) with a full and detailed summary of the author's own work carried out so far.

Papers accepted for this Special Issue will be published free of charge in open access format. You are welcome to send short proposals for submissions of feature papers to our Editorial Office (make@mdpi.com).

Prof. Dr. Andreas Holzinger
Collection Editor

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Editor-in-Chief

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Message from the Editor-in-Chief

Machine learning deals with understanding intelligence to design algorithms that can learn from data, gain knowledge from experience and improve their learning behaviour over time. The challenge is to extract relevant structural and/or temporal patterns ("knowledge") from data, which is often hidden in high dimensional spaces, thus not accessible to humans. Many application domains, e.g., smart health, smart factory, etc. affect our daily life, e.g., recommender systems, speech recognition, autonomous driving, etc. The grand challenge is to understand the context in the real-world under uncertainty. Probabilistic inference can be of great help here as the inverse probability allows to learn from data, to infer unknowns, and to make predictions to support decision making.

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