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Recent Advances in Statistical Learning: Theories, Technologies and Environmental & Industrial Applications

Guest Editors:

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Deadline for manuscript submissions:
closed (15 October 2023)

Message from the Guest Editors

In fact, the foundation of AI is heavily reliant on statistical learning models and theories. Statistical learning from big data or sparse data can be very helpful to investigate intelligent systems' characteristics and guarantee their stability, security, and economic viability.

However, there are still many challenging problems in the statistical learning field that remain unsolved due to the various data formats, more complex data structures, and high sparsity of the data. Thus, new techniques and advanced engineering applications in statistical learning are still appealing to many scholars in the field.

This Special Issue aims to provide selected contributions on recent advances in statistical learning theories, models, and applications. The potential topics include, but not limited to, the following:

- Statistical learning and data driven control intelligent systems;
- Deep learning theory and applications;
- Statistical learning in linear and nonlinear systems;
- Unsupervised statistical learning;
- Deep generative models and related applications;
- Computer vision;
- Natural language processing;
- Deep reinforcement learning.

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Message from the Editor-in-Chief

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