

Special Issue

Optimization Method and Its Applications in Machine Learning

Message from the Guest Editors

This Special Issue focuses on exploring the use of machine learning and optimization techniques, and how these methods are applied in engineering mathematics. It aims to investigate their synergistic relationship and demonstrate their potential in solving complex engineering problems. The scope of this Special Issue includes topics such as the application of machine learning algorithms, integration of optimization methods with machine learning, development of hybrid models, utilization of machine learning for parameter estimation and system identification, optimization-based approaches to enhance machine learning, and case studies demonstrating real-world applications. Topics include, but are not limited to,

- machine learning
- optimization algorithms
- engineering mathematics
- convergence
- application
- interdisciplinary collaboration

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Message from the Editor-in-Chief

Axioms is dedicated to the foundations (structure and axiomatic basis, in particular) of mathematical theories, not only from a crisp or strictly classical sense, but also from a fuzzy and generalized sense. This includes the more innovative current scientific trends, devoted to discover and solve new challenging problems. The prime goal of *Axioms* is to publish first-class, original research articles under an open access policy with minimal fees for the authors. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

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