

Special Issue

Integrative Approaches in Statistical Modeling and Machine Learning for Data Analytics and Data Mining

Message from the Guest Editors

The integration of statistical methods with advanced computational techniques is a rapidly growing field, transforming how we extract insights from large and complex datasets. This synergy is crucial for addressing multifaceted challenges across various scientific and industrial domains. As data volumes grow exponentially, the need for robust statistical models and efficient computational algorithms to process and interpret this information becomes increasingly important. The application of these methodologies is driving innovations in areas such as healthcare, finance, and environmental science, underscoring the relevance of this research area. The primary aim of this Special Issue is to promote the convergence between statistical modelling and advanced computational techniques, focusing on their application to data-driven discovery. By fostering a deeper understanding and development of these statistical and computational methods, we aim to push the boundaries of current knowledge and practice, contributing to the advancement of science and technology.

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Deadline for manuscript submissions

closed (31 January 2025)



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Impact Factor 1.0
CiteScore 1.8



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