Special Issue

Advances in Statistical Modeling

Message from the Guest Editor

The deep learning (DL), machine learning (ML) and various stochastic models have been developed to solve many practical problems in the real world. In recent times, ensembles of models have been developed to deal with the complexity of emerging datasets, which cannot be captured by traditional statistical models. A large amount of data is being generated every year in many fields including ecology and environment. These data offer many challenges to researchers, such as robustness, big data, outliers, low prediction accuracy, data dimensionality, etc. There is a need to develop advanced statistical models/algorithms to capture their complex behavior. Keeping these in mind, I am pleased to announce the Special Issue "**Advances in Statistical Modeling**" and would like to invite authors to submit their novel findings. The recommended topics include, but are not limited to, the following:

- Machine learning and deep learning techniques;
- Market intelligence;
- Big data modeling;
- Application of remote sensing;
- Time series analysis;
- Environmental pollution;
- Meteorological prediction;
- Advances in optimization technique.

Guest Editor

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Deadline for manuscript submissions

closed (31 March 2024)

About the Journal

Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

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