

Special Issue

Current Developments in Theoretical and Applied Statistics

Message from the Guest Editor

Statistics is rapidly expanding thanks to new mathematical theories, technological advancements, new data to analyze from contemporary challenges, and multiple bridges between theory and application.

Fascinating contributions have marked the year 2020, making statistics one of the most active mathematical areas. The aim of this Special Issue is to collect the current and significant developments in statistics from all possible facets without limit. On the applied plan, all areas of research, without exception, are welcome: economics, insurance, reliability, biology, medicine, linguistics, engineering, physics, informatics, etc. Keywords

- applied probability
- applied statistics
- basic and advanced statistics
- bayesian methods
- change-point analysis
- clustering
- computer simulation
- data analysis
- data warehousing and mining
- decision support systems
- decision theory
- machine learning
- mathematical programming
- neural networks
- nonparametric statistics
- parametric and semi-parametric statistics
- quality control
- queuing theory
- regression models
- statistical tests
- support vector machines
- theoretical statistics

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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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