Special Issue

Reliability Analysis and Statistical Computing

Message from the Guest Editors

Reliability analysis and statistical computing represent a highly interdisciplinary field that plays a pivotal role in modern engineering, manufacturing, information technology, aerospace, healthcare, and numerous other domains. Research in reliability analysis and statistical computing is crucial for ensuring product quality, enhancing system performance, and preventing failures. Recent advancements in big data, artificial intelligence, and the Internet of Things (IoT) have presented unprecedented opportunities and challenges to the field of reliability analysis and statistical computing. On the one hand, vast amounts of data provide richer information for reliability analysis; on the other hand, complex data structures and dynamic operational environments pose new challenges to traditional reliability assessment methods. Consequently, this Special Issue aims to gather the latest research findings, explore cutting-edge theories and techniques in reliability analysis and statistical computing, and demonstrate their practical applications.

Guest Editors

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Prof. Dr. Wei Ning

Dr. Dianpeng Wang

Deadline for manuscript submissions

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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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