



## Statistical Methods in Data Science and Applications

Guest Editors:

**Prof. Dr. Niansheng Tang**

School of Mathematics and  
Statistics, Yunnan University,  
Kunming 650091, China

**Prof. Dr. Shen-Ming Lee**

Department of Statistics, Feng  
Chia University, NO.100, Wenhwa  
Road, Seatwen, Taichung 40724,  
Taiwan

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### Message from the Guest Editors

With the development of big data, the importance of data science is growing rapidly, leading to a large number of studies in various disciplines. such as mathematics, statistics, computer science, and artificial intelligence. Data science requires modeling, computation, and learning to realize conversion from data to information, from information to knowledge, and from knowledge to decision making. Due to the complexity of big data, such as missing, high- and ultrahigh-dimensional, response-dependent, time series, distributed storage, etc., the existing big data analysis theories, methods, and algorithms are facing huge challenges, particularly in terms of basic statistical theories, methods, and algorithms around estimation, hypothesis testing, confidence interval, and variable selection, including frequentist and Bayesian big data.





## Editor-in-Chief

### **Prof. Dr. Francisco Chiclana**

School of Computer Science and  
Informatics, De Montfort  
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Leicester LE1 9BH, UK

## Message from the Editor-in-Chief

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*Mathematics* Editorial Office  
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