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Computational Statistical Methods and Extreme Value Theory

Guest Editor:

Prof. Dr. Frederico Caeiro

Departamento de Matemática, Faculdade de Ciências e Tecnologia, Universidade Nova de Lisboa Quinta da Torre, 2829-516 Caparica, Portugal

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Message from the Guest Editor

In the last decades, computers' power has increased exponentially and has allowed the rise of new and more complex computationally intensive statistical methods. Among these. may mention. for we example. computational algorithms, computational Bavesian methods, data mining, high-dimensional data analysis, machine learning, Monte Carlo simulation, multivariate data analysis, resampling, statistical learning, and stochastic optimization.

Another subject that has gained considerable importance in the past few decades is the Extreme Value Theory. This discipline provides the adequate methodology for the prediction of extreme and rare events, that is, events that occur irregularly with a small probability. We can find applications of the Extreme Value Theory is several fields, such as biostatistics, engineering, finance, geology, hydrology, insurance, meteorology, and public health.

The purpose of this Special Issue is to provide a collection of articles that reflect the latest developments in the fields of Computational Statistical Methods and Extreme Value Theory. Papers providing new methodologies and applications regarding the aforementioned topics are welcome.









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Editor-in-Chief

Prof. Dr. Francisco Chiclana

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

Message from the Editor-in-Chief

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Mathematics Editorial Office MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 www.mdpi.com mdpi.com/journal/mathematics mathematics@mdpi.com X@MathematicsMDPI