

## Special Issue

# Computational Methods in Quantitative Risk Management

### Message from the Guest Editors

Quantitative risk management is an active area of research from both the theoretical and the practical points of view. Financial datasets feature peculiar and ever-changing stylized facts, arising for example from the development of new financial products, or by the increased availability of high-frequency data. Therefore, considerable research efforts have focused on non-standard distributions that often require computer-intensive methods, both for estimation and for prediction. Accordingly, research faces new challenges related to the interplay of approaches typically used by different communities. It is the purpose of this Special Issue to explore recent developments of such methods in the field of quantitative risk management. We thus solicit high-quality papers about the following topics:

- Non-standard loss distributions and their applications
- Estimation, prediction and backtesting of risk management models
- Financial econometrics
- Empirical finance
- Computational methods for derivatives pricing
- Monte Carlo simulation in risk management and financial engineering
- High-frequency econometrics
- Volatility specification and estimation
- Extreme Value Theory

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### Guest Editors

Prof. Dr. Marco Bee

Department of Economics and Management, University of Trento,  
38122 Trento, Italy

Dr. Luca Trapin

Department of Statistics, University of Bologna, 40126 Bologna, Italy

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### Deadline for manuscript submissions

closed (31 October 2020)



## Risks

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*Risks*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[risks@mdpi.com](mailto:risks@mdpi.com)

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### Message from the Editor-in-Chief

*Risks* is published in Open Access format – research articles, reviews and other content are released on the internet immediately after acceptance. Specifically, *Risks* welcomes contributions that

- contribute with insight, outlook, understanding and overview, no matter how simple they are;
- show creativity in pedagogical tricks and techniques;
- help the transfer of theoretical research to public and private application;
- show responsibility for societal impact.

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### Editor-in-Chief

Prof. Dr. Steven Haberman

Faculty of Actuarial Science and Insurance, Bayes Business School,  
City St George's, University of London, 106 Bunhill Row, London EC1Y  
8TZ, UK

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