

# Special Issue

## Statistical Models for Insurance

### Message from the Guest Editor

This Special Issue aims to develop statistical models tailored to the unique demands of the insurance industry. The scope of the Special Issue extends to various types of insurance, such as life, health, property, and casualty, addressing challenges related to claim frequency, severity, and the estimation of risk premiums. It seeks to provide statistical tools for actuaries and insurance professionals to manage uncertainty, optimize pricing strategies, and improve decision-making processes in the face of evolving risks and regulatory environments. We invite papers presenting original research on related topics including, but not limited to, the following:

- Advanced Techniques in Mortality Modeling and Forecasting
- Modeling and Pricing Strategies for Agricultural Insurance
- Risk Assessment and Pricing in Property and Casualty Insurance
- Multi-Line Insurance Dependence Modeling
- Fraud Detection Algorithms in Insurance
- Analyzing Telematics Data for Personalized Insurance
- Geospatial Risk Assessment and Insurance Applications
- Climate Change Impact Models and Their Insurance Implications
- Leveraging Text Mining for Enhanced Claims Processing

---

### Guest Editor

Dr. Liqun Diao

Department of Statistics and Actuarial Science, The University of Waterloo, Waterloo, ON N2L 3G1, Canada

---

### Deadline for manuscript submissions

31 August 2025



## Risks

---

an Open Access Journal  
by MDPI

---

Impact Factor 1.5  
CiteScore 5.0



[mdpi.com/si/217163](https://mdpi.com/si/217163)

*Risks*

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

[mdpi.com/journal/](https://mdpi.com/journal/)

[risks](https://risks.mdpi.com)





# Risks

---

an Open Access Journal  
by MDPI

---

Impact Factor 1.5  
CiteScore 5.0



[mdpi.com/journal/  
risks](https://mdpi.com/journal/risks)



## About the Journal

### Message from the Editor-in-Chief

*Risks* is published in an open access format; research articles, reviews, and other content are released on the internet immediately after acceptance. Specifically, *Risks* welcomes submissions that (a) contribute with insight, outlook, understanding, and overview; (b) show creativity in terms of pedagogical methods and techniques; (c) help the transfer of theoretical and applied research into applications in the public and private domains; and (d) show responsibility for the impact on society. The scientific and the general public have unlimited free access to the content as soon as it is published.

---

### 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

---

### Author Benefits

#### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High visibility:

indexed within Scopus, ESCI (Web of Science), EconLit, EconBiz, RePEc, and other databases.

#### Journal Rank:

CiteScore - Q1 (Economics, Econometrics and Finance (miscellaneous))