



## Claim Models: Granular Forms and Machine Learning Forms

Guest Editor:

**Prof. Greg Taylor**

School of Risk & Actuarial,  
University of New South Wales,  
Kensington, NSW, Australia

Deadline for manuscript  
submissions:

**closed (31 August 2019)**

### Message from the Guest Editor

Dear Colleagues,

For many years, much claim modelling has been performed on aggregate data, such as triangles, using supervised models with highly structure algebraic forms. The increased computing capability of more recent years has enabled some tentative advances beyond this frontier. Modelling appears to have developed in two directions that, while currently generating distinct literature streams, are not necessarily disjoint. These are:

- Granular models (GMs), including individual claim models;
- Machine learning models (MLMs), including regularized regression, neural nets, gradient boosting machines, etc.

Each of these model types brings with it its own advantages and disadvantages. For example, GMs usually endeavor to model the claim process in some degree of detail. This can introduce numerous cascaded sub-models, and many difficult questions of dependencies between model components. The building of such models can be extremely labour-intensive.





**risks**



an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Steven Haberman

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

## 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.

The scientific community and the general public have unlimited free access to the content as soon as it is published.

## 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:** JCR - Q2 (*Business, Finance*) / CiteScore - Q1 (Economics, Econometrics and Finance (miscellaneous))

## Contact Us

---

*Risks* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/risks](http://mdpi.com/journal/risks)  
[risks@mdpi.com](mailto:risks@mdpi.com)  
[X@Risks\\_MDPI](https://twitter.com/Risks_MDPI)