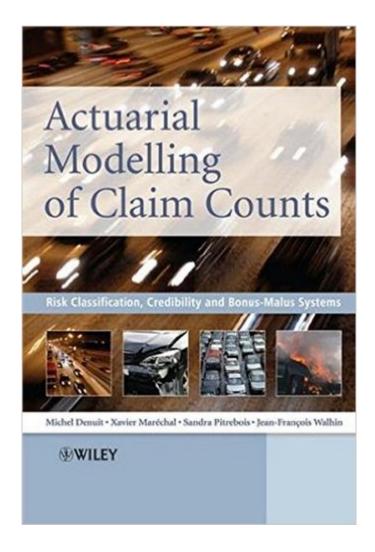
## The book was found

# Actuarial Modelling Of Claim Counts: Risk Classification, Credibility And Bonus-Malus Systems





# **Synopsis**

There are a wide range of variables for actuaries to consider when calculating a motoristâ ™s insurance premium, such as age, gender and type of vehicle. Further to these factors, motoristsâ ™ rates are subject to experience rating systems, including credibility mechanisms and Bonus Malus systems (BMSs). Actuarial Modelling of Claim Counts presents a comprehensive treatment of the various experience rating systems and their relationships with risk classification. The authors summarize the most recent developments in the field, presenting ratemaking systems, whilst taking into account exogenous information. The text: Offers the first self-contained, practical approach to a priori and a posteriori ratemaking in motor insurance. Discusses the issues of claim frequency and claim severity, multi-event systems, and the combinations of deductibles and BMSs. Introduces recent developments in actuarial science and exploits the generalised linear model and generalised linear mixed model to achieve risk classification. Presents credibility mechanisms as refinements of commercial BMSs. Provides practical applications with real data sets processed with SAS software. Actuarial Modelling of Claim Counts is essential reading for students in actuarial science, as well as practicing and academic actuaries. It is also ideally suited for professionals involved in the insurance industry, applied mathematicians, quantitative economists, financial engineers and statisticians.

## **Book Information**

Hardcover: 384 pages

Publisher: Wiley-Interscience; 1 edition (September 24, 2007)

Language: English

ISBN-10: 0470026774

ISBN-13: 978-0470026779

Product Dimensions: 7 x 1.1 x 9.9 inches

Shipping Weight: 1.9 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars Â See all reviews (2 customer reviews)

Best Sellers Rank: #1,833,816 in Books (See Top 100 in Books) #18 in Books > Business &

Money > Insurance > Automobile #340 in Books > Business & Money > Insurance > Business

#4389 in Books > Textbooks > Science & Mathematics > Mathematics > Statistics

### Customer Reviews

First a warning, if you are a student studying to become an actuary, then this book is not for you. I am a lecturer in actuarial studies at an Australian university who teaches students from first year up to Masters level, and most of the content of this book would be way over the heads of my students.

Furthermore, I don't even think this book was designed to be used for teaching, as there are no exercises at the end of each chapter, as you would expect in such a book. However, for anyone interested in conducting research into any areas of actuarial science (particularly in general or non-life insurance), then this book is a must. "Actuarial Modelling of Claim Counts" provides a detailed, yet easy to follow, summary of three major areas in insurance: the modelling of claim counts (including over-dispersion models); experience rating using credibility models; and bonus-malus systems. All concepts are described both using statistical theory and using practical numerical examples, and numerous references are given throughout to allow readers to pursue any of these ideas further if they so desire. If you were conducting research into one of these areas, then it probably would be necessary to look up many of the references given, since there is a limit to the amount of information that can be included in a 356 page book. Nevertheless, the information given is thorough enough so that, if you do need to do further research, then you won't be going into it blind, but armed with a high level understanding of the main points involved. I have just finished a PhD on a topic which included the modelling of claim counts and I wish that I had discovered this book sooner, since this book would have made my research a whole lot easier. I cannot recommend this book enough.

This is exellent hands on book on modelling claim counts. Covers various bonus/malus systems in depth. One of the best books regarding pricing.

#### Download to continue reading...

Actuarial Modelling of Claim Counts: Risk Classification, Credibility and Bonus-Malus Systems
Actuarial Mathematics for Life Contingent Risks (International Series on Actuarial Science)
Solutions Manual for Actuarial Mathematics for Life Contingent Risks (International Series on
Actuarial Science) WHO Classification of Tumours of the Lung, Pleura, Thymus and Heart (IARC
WHO Classification of Tumours) Dewey Decimal Classification, DDC 23 (Dewey Decimal
Classification & Relative Index) WHO Classification of Tumours of the Breast (IARC WHO
Classification of Tumours) WHO Classification of Tumours of the Central Nervous System (IARC
WHO Classification of Tumours) Clay Modelling for Beginners: An Essential Guide to Getting
Started in the Art of Sculpting Clay ~ (Clay Modelling | Clay Modeling | Clay Art ) How to Settle Your
Claim and Get the Money You Deserve: A guidebook for property insurance claim resolution How
To Make An Auto Insurance Claim: For Maximum Benefit: Read this before you make a claim. Win
The Claim Game: An Insider's Guide To A Successful Home Insurance Claim The Feeling of Risk:
New Perspectives on Risk Perception (Earthscan Risk in Society) Computational Actuarial Science

with R (Chapman & Hall/CRC The R Series) -->>200 Facebook groups to Promote your Kindle Book for Free with Bonus 100 Publishers and authors on Facebook: Updated First Edition. Bonus 50 Facebook ... your book. (Facebook Guide for Authors) Provably Correct Systems: Modelling of Communication Languages and Design of Optimized Compilers (The Mcgraw-Hill International Series in Software) Logic in Computer Science: Modelling and Reasoning about Systems Healthcare Code Sets, Clinical Terminologies, and Classification Systems fast2cut Bonnie K. Hunter's Essential Triangle Tool: Quickly Make Half-Square, Quarter-Square, Flying Geese & Bonus Triangles â ¢ Plus Mark Perfect Seam Allowances â ¢ FREE Bonus Buddy Ruler Interviewing: BONUS INCLUDED! 37 Ways to Have Unstoppable Confidence in Your Interview! (BONUS INCLUDED! 37 Ways to Have Unstoppable Confidence in Your Interview! GET THE JOB YOU DESERVE!) (Volume 1) Modelling the Human Impact on Nature: Systems Analysis of Environmental Problems

**Dmca**