Promislow, S. David

Fundamentals of actuarial mathematics. 3rd ed. (English) Zbl 1304.91006

Chichester: John Wiley & Sons (ISBN 978-1-118-78246-0/hbk). 522 p. (2014).

Publisher's description: This book

- provides a comprehensive coverage of both the deterministic and stochastic models of life contingencies, risk theory, credibility theory, multi-state models, and an introduction to modern mathematical finance;
- new edition restructures the material to fit into modern computational methods and provides several spreadsheet examples throughout;
- covers the syllabus for the Institute of Actuaries subject CT5, contingencies;
- includes new chapters covering stochastic investments returns, universal life insurance. Elements of option pricing and the Black-Scholes formula will be introduced.

For the second edition see [Zbl 1205.62159]. See the review of the first edition in [Zbl 1100.62095].

MSC:

91-01 Introductory exposition (textbooks, tutorial papers, etc.) pertaining to game theory, economics, and finance

91B30 Risk theory, insurance (MSC2010)

62P05 Applications of statistics to actuarial sciences and financial mathematics

91G80 Financial applications of other theories

Software:

Excel