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	Classification based on tail behavior; 4.6.3 Classification based on hazard rate function; 4.7 Creating new distributions; 4.7.1 Introduction; 4.7.2 Multiplication by a constant; 4.7.3 Transformation by raising to a power; 4.7.4 Transformation by exponentiation; 4.7.5 Continuous mixture of distributions; 4.7.6 Frailty models; 4.7.7 Splicing pieces of distributions; 4.8 TVaR for continuous distributions 4.8.1 Continuous elliptical distributions4.8.2 Continuous exponential dispersion distributions; 4.9 Exercises; 5 Models for the number of losses: Counting distributions; 5.1 Introduction; 5.2 The Poisson distribution; 5.3 The negative binomial distribution; 5.4 The binomial distribution; 5.5 The (a, b, 0) class; 5.6 The (a, b, 1) class; 5.7 Compound frequency models; 5.8 Recursive calculation of compound probabilities; 5.9 An inventory of discrete distributions; 5.9.1 The (a, b, 0) class; 5.9.2 The (a, b, 1) class; 5.9.3 The zero-truncated subclass; 5.9.4 The zero-modified subclass 5.9.5 The compound class5.10 A hierarchy of discrete distributions; 5.11 Further properties of the compound Poisson class; 5.12 Mixed frequency models; 5.13 Poisson mixtures; 5.14 Effect of exposure on loss counts; 5.15 TVaR for discrete distributions; 5.16 Exercises; 6 Aggregate loss models; 6.1 Introduction; 6.2 Model choices; 6.3 The compound model for aggregate losses; 6.4 Some analytic results; 6.5 Evaluation of the aggregate loss distribution; 6.6 The recursive method; 6.6.1 Compound frequency models
Sommario/riassunto	Discover how to optimize business strategies from both qualitative and quantitative points of viewOperational Risk: Modeling Analytics is organized around the principle that the analysis of operational risk consists, in part, of the collection of data and the building of mathematical models to describe risk. This book is designed to provide risk analysts with a framework of the mathematical models and methods used in the measurement and modeling of operational risk in both the banking and insurance sectors.Beginning with a foundation for operational risk modeling and a focus on