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Titolo	Credit-Risk Modelling : Theoretical Foundations, Diagnostic Tools, Practical Examples, and Numerical Recipes in Python // by David Jamieson Bolder
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ISBN	3-319-94688-9
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (704 pages)
Disciplina	332.701
Soggetti	Risk management Business enterprises—Finance Economics, Mathematical Financial engineering Banks and banking Statistics Risk Management Business Finance Quantitative Finance Financial Engineering Banking Statistics for Business, Management, Economics, Finance, Insurance
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Getting Started -- Part I Modelling Frameworks -- A Natural First Step.- Mixture or Actuarial Models -- Threshold Models.-The Genesis of Credit-Risk Modelling -- Part II Diagnostic Tools -- A Regulatory Perspective -- Risk Attribution -- Monte Carlo Methods -- Part III Parameter Estimation -- Default Probabilities -- Default and Asset Correlation.
Sommario/riassunto	The risk of counterparty default in banking, insurance, institutional, and pension-fund portfolios is an area of ongoing and increasing importance for finance practitioners. It is, unfortunately, a topic with a

high degree of technical complexity. Addressing this challenge, this book provides a comprehensive and attainable mathematical and statistical discussion of a broad range of existing default-risk models. Model description and derivation, however, is only part of the story. Through use of exhaustive practical examples and extensive code illustrations in the Python programming language, this work also explicitly shows the reader how these models are implemented. Bringing these complex approaches to life by combining the technical details with actual real-life Python code reduces the burden of model complexity and enhances accessibility to this decidedly specialized field of study. The entire work is also liberally supplemented with model-diagnostic, calibration, and parameter-estimation techniques to assist the quantitative analyst in day-to-day implementation as well as in mitigating model risk. Written by an active and experienced practitioner, it is an invaluable learning resource and reference text for financial-risk practitioners and an excellent source for advanced undergraduate and graduate students seeking to acquire knowledge of the key elements of this discipline.

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