Record Nr.	UNINA9910780039903321
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Titolo	Data mining in finance [[electronic resource] ] : advances in relational and hybrid methods / / by Boris Kovalerchuk and Evgenii Vityaev
Pubbl/distr/stampa	Boston, : Kluwer Academic Publishers
	Norwell, Mass, : Distributors for North, Central, and South America, Kluwer Academic Publishers, c2000
ISBN	1-280-20603-9
	9786610206032
	0-306-47018-7
Edizione	[1st ed. 2000.]
Descrizione fisica	1 online resource (325 p.)
Collana	The Kluwer international series in engineering and computer science ; ; SECS 547
Altri autori (Persone)	VityaevEvgenii
Disciplina	332.1/0285/63
Soggetti	Investments - Data processing
	Stock price forecasting - Data processing
	Data mining
Lingua di pubblicazione	Inglese
Lingua di pubblicazione Formato	Inglese Materiale a stampa
	Inglese
Formato	Inglese Materiale a stampa
Formato Livello bibliografico	Inglese Materiale a stampa Monografia Description based upon print version of record. Includes bibliographical references and index.
Formato Livello bibliografico Note generali Nota di bibliografia	Inglese Materiale a stampa Monografia Description based upon print version of record. Includes bibliographical references and index. Includes bibliographical references (p. [285]-298) and index.
Formato Livello bibliografico Note generali	Inglese Materiale a stampa Monografia Description based upon print version of record. Includes bibliographical references and index.

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the discovered rules - an ability critical for avoiding spurious patterns which inevitably arise when the number of variables examined is very large. The earlier algorithms for relational data mining, also known as inductive logic programming (ILP), suffer from a relative computational inefficiency and have rather limited tools for processing numerical data. Data Mining in Finance introduces a new approach, combining relational data mining with the analysis of statistical significance of discovered rules. This reduces the search space and speeds up the algorithms. The book also presents interactive and fuzzy-logic tools for `mining' the knowledge from the experts, further reducing the search space. Data Mining in Finance contains a number of practical examples of forecasting S&P 500, exchange rates, stock directions, and rating stocks for portfolio, allowing interested readers to start building their own models. This book is an excellent reference for researchers and professionals in the fields of artificial intelligence, machine learning, data mining, knowledge discovery, and applied mathematics.