1.	Record Nr.	UNINA9910144924903321
	Titolo	Principles of Data Mining and Knowledge Discovery [[electronic resource]] : First European Symposium, PKDD '97, Trondheim, Norway, June 24-27, 1997 Proceedings / / edited by Jan Komorowski, Jan Zytkow
	Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 1997
	ISBN	3-540-69236-3
	Edizione	[1st ed. 1997.]
	Descrizione fisica	1 online resource (XII, 404 p.)
	Collana	Lecture Notes in Artificial Intelligence ; ; 1263
	Disciplina	006.3/1
	Soggetti	Artificial intelligence
		Information storage and retrieval
		Multimedia systems
		Mathematical statistics
		Information technology
		Business—Data processing
		Artificial Intelligence
		Information Storage and Retrieval
		Multimedia Information Systems
		Probability and Statistics in Computer Science
		IT in Business
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Bibliographic Level Mode of Issuance: Monograph
	Nota di contenuto	Knowledge discovery — A control theory perspective -- Modelling customer retention with Rough Data Models -- Share based measures for itemsets -- Parallel knowledge discovery using domain generalization graphs -- Rough set theory and rule induction techniques for discovery of attribute dependencies in medical information systems -- Logical calculi for knowledge discovery in databases -- Extraction of experts' decision process from clinical databases using rough set model -- Discovering of health risks and case-based forecasting of epidemics in a health surveillance system -- An algorithm for multi-relational discovery of subgroups -- Finding

similar time series -- Exploration of document collections with self-organizing maps: A novel approach to similarity representation -- Pattern based browsing in document collections -- Induction of fuzzy characteristic rules -- Regression-based classification methods and their comparison with decision tree algorithms -- Attribute discovery and rough sets -- Generation of rules from incomplete information systems -- Knowledge discovery from software engineering data: Rough set analysis and its interaction with goal-oriented measurement -- Efficient multisplitting on numerical data -- SNOUT: An intelligent assistant for exploratory data analysis -- Exploratory analysis of biochemical processes using hybrid modeling methods -- Using signature files for querying time-series data -- A new and versatile method for association generation -- Bivariate decision trees -- Towards process-oriented tool support for knowledge discovery in databases -- A connectionist approach to structural similarity determination as a basis of clustering, classification and feature detection -- Searching for relational patterns in data -- Finding spatial clusters -- Interactive interpretation of hierarchical clustering -- The principle of transformation between efficiency and effectiveness: Towards a fair evaluation of the cost-effectiveness of KDD techniques -- Recognizing reliability of discovered knowledge -- Clustering techniques in biological sequence analysis -- TOAS intelligence mining; analysis of natural language processing and computational linguistics -- Algorithms for constructing of decision trees -- Mining in the phrasal frontier -- Mining time series using rough sets — A case study -- Neural networks design: Rough set approach to continuous data -- On meta levels of an organized society of KDD agents -- Using neural network to extract knowledge from database -- Induction of strong feature subsets -- Rough sets for data mining and knowledge discovery -- Techniques and applications of KDD -- A tutorial introduction to high performance data mining -- Data mining in the telecommunications industry.

| Sommario/riassunto | This book constitutes the refereed proceedings of the First European Symposium on Principles of Data Mining and Knowledge Discovery, PKDD '97, held in Trondheim, Norway, in June 1997. The volume presents a total of 38 revised full papers together with abstracts of one invited talk and four tutorials. Among the topics covered are data and knowledge representation, statistical and probabilistic methods, logic-based approaches, man-machine interaction aspects, AI contributions, high performance computing support, machine learning, automated scientific discovery, quality assessment, and applications. |