1.	Record Nr.	UNINA9910451300103321
	Titolo	Lecture notes in data mining [[electronic resource] /] / edited by Michael W. Berry, Murray Browne
	Pubbl/distr/stampa	Hackensack, NJ,: World Scientific, c2006
	ISBN	1-281-37904-2 9786611379049 981-277-363-0
	Descrizione fisica	1 online resource (238 p.)
	Altri autori (Persone)	BerryMichael W BrowneMurray
	Disciplina	005.741
	Soggetti	Data mining Database searching Electronic books.
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Description based upon print version of record.
	Nota di bibliografia	Includes bibliographical references and index.
	Nota di contenuto	CONTENTS; Preface; 1 Point Estimation Algorithms; 1. Introduction; 2. Motivation; 3. Methods of Point Estimation; 4. Measures of Performance; 5. Summary; 2 Applications of Bayes Theorem; 1. Introduction; 2. Motivation; 3. The Bayes Approach for Classification 4. Examples; 5. Summary; 3 Similarity Measures; 1. Introduction; 2. Motivation; 3. Classic Similarity Measures; 4. Example; 5. Current Applications; 6. Summary; 4 Decision Trees; 1. Introduction; 2. Motivation; 3. Decision Tree Algorithms; 6. Summary; 5. Applications of Decision Tree Algorithms; 6. Summary; 5. Genetic Algorithms; 6. Summary; 5. Genetic Algorithms; 6. Summary; 5. Genetic Algorithms; 6. Summary; 5. Current and Future Applications; 6. Summary; 5. Current and Future Applications; 7. Summary; 5. Current and Future Applications; 7. Summary; 6. Summary; 5. Current and Future Applications; 7. Summary; 7. S

6 Classification: Distance-based Algorithms 1. Introduction ; 2. Motivation : 3. Distance **Functions** : 4. Classification Algorithms ; 5. Current Applications ; 6. Summary ; 7 **Decision Tree-based Algorithms** ; 1. Introduction ; 2. Motivation ; 3. ID3 : 5. C5.0 4. C4.5 6. CART 7. Summary ; 8 Covering (Rule-based) ; 2. Algorithms : 1. Introduction ; 4. Motivation ; 3. Classification Rules Covering (Rule-based) Algorithms ; 5. Applications of Covering Algorithms ; 6. ; 9 Clustering: An Overview Summary ; 1. Introduction ; 2. Motivation 3. The Clustering Process

## Sommario/riassunto

The continual explosion of information technology and the need for better data collection and management methods has made data mining an even more relevant topic of study. Books on data mining tend to be either broad and introductory or focus on some very specific technical aspect of the field. This book is a series of seventeen edited "student-authored lectures" which explore in depth the core of data mining (classification, clustering and association rules) by offering overviews that include both analysis and insight. The initial chapters lay a framework of data mining techniques by expla