

1. Record Nr.	UNINA9910739480503321
Titolo	High-Utility Pattern Mining : Theory, Algorithms and Applications // edited by Philippe Fournier-Viger, Jerry Chun-Wei Lin, Roger Nkambou, Bay Vo, Vincent S. Tseng
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
ISBN	3-030-04921-3
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (343 pages)
Collana	Studies in Big Data, , 2197-6503 ; ; 51
Disciplina	006.312
Soggetti	Computational intelligence Artificial intelligence Data mining Computational Intelligence Artificial Intelligence Data Mining and Knowledge Discovery
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Introduction -- Problem Denition -- Algorithms -- Extensions of the Problem -- Research Opportunities -- Open-Source Implementations -- Conclusion.
Sommario/riassunto	This book presents an overview of techniques for discovering high-utility patterns (patterns with a high importance) in data. It introduces the main types of high-utility patterns, as well as the theory and core algorithms for high-utility pattern mining, and describes recent advances, applications, open-source software, and research opportunities. It also discusses several types of discrete data, including customer transaction data and sequential data. The book consists of twelve chapters, seven of which are surveys presenting the main subfields of high-utility pattern mining, including itemset mining, sequential pattern mining, big data pattern mining, metaheuristic-based approaches, privacy-preserving pattern mining, and pattern visualization. The remaining five chapters describe key techniques and applications, such as discovering concise representations and regular

patterns. .

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