1. Record Nr. UNISA996464548003316

Titolo	Machine learning, optimization, and data science : 7th international conference, LOD 2021, Grasmere, UK, October 4-8, 2021, revised selected papers, Part I / / edited by Giuseppe Nicosia
Pubbl/distr/stampa	Cham, Switzerland : , : Springer, , [2022] ©2022
ISBN	3-030-95467-6
Descrizione fisica	1 online resource (667 pages)
Collana	Lecture Notes in Computer Science ; ; v.13163
Disciplina	006.31
Soggetti	Computer science - Mathematics Optical data processing
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr. UNINA9910568239603321

Autore	Fang Yixiang
Titolo	Cohesive Subgraph Search Over Large Heterogeneous Information Networks / / by Yixiang Fang, Kai Wang, Xuemin Lin, Wenjie Zhang
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2022
ISBN	3-030-97568-1
Edizione	[1st ed. 2022.]
Descrizione fisica	1 online resource (86 pages)
Collana	SpringerBriefs in Computer Science, , 2191-5776
Disciplina	006.312
Soggetti	Information storage and retrieval systems Computer science - Mathematics Discrete mathematics Graph theory Information Storage and Retrieval Discrete Mathematics in Computer Science Graph Theory
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references (pages 65-74).
Nota di contenuto	Introduction -- Preliminaries -- CSS on Bipartite Networks -- CSS on Other General HINs -- Comparison Analysis -- Related Work on CSMs and solutions -- Future Work and Conclusion.
Sommario/riassunto	This SpringerBrief provides the first systematic review of the existing works of cohesive subgraph search (CSS) over large heterogeneous information networks (HINs). It also covers the research breakthroughs of this area, including models, algorithms and comparison studies in recent years. This SpringerBrief offers a list of promising future research directions of performing CSS over large HINs. The authors first classify the existing works of CSS over HINs according to the classic cohesiveness metrics such as core, truss, clique, connectivity, density, etc., and then extensively review the specific models and their corresponding search solutions in each group. Note that since the bipartite network is a special case of HINs, all the models developed for general HINs can be directly applied to bipartite networks, but the models customized for bipartite networks may not be easily extended

for other general HINs due to their restricted settings. The authors also analyze and compare these cohesive subgraph models (CSMs) and solutions systematically. Specifically, the authors compare different groups of CSMs and analyze both their similarities and differences, from multiple perspectives such as cohesiveness constraints, shared properties, and computational efficiency. Then, for the CSMs in each group, the authors further analyze and compare their model properties and high-level algorithm ideas. This SpringerBrief targets researchers, professors, engineers and graduate students, who are working in the areas of graph data management and graph mining. Undergraduate students who are majoring in computer science, databases, data and knowledge engineering, and data science will also want to read this SpringerBrief.