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Titolo	Formal Concept Analysis of Social Networks // edited by Rokia Missaoui, Sergei O. Kuznetsov, Sergei Obiedkov
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ISBN	3-319-64167-0
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (XVIII, 195 p. 38 illus., 19 illus. in color.)
Collana	Lecture Notes in Social Networks, , 2190-5428
Disciplina	302.30285
Soggetti	Data mining Artificial intelligence Database management Physics Social sciences Data Mining and Knowledge Discovery Artificial Intelligence Database Management Applications of Graph Theory and Complex Networks Methodology of the Social Sciences
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Knowledge Communities and Socio-Cognitive Taxonomies -- Individuality in Social Networks -- Descriptive Community Detection -- Multimodal Clustering for Community Detection -- Acquisition of Terminological Knowledge from Social Networks in the Description Logic MH -- Formal Concept Analysis of Attributed Networks -- A Formal Concept Analysis look at the Analysis of Affiliation Networks.
Sommario/riassunto	The book studies the existing and potential connections between Social Network Analysis (SNA) and Formal Concept Analysis (FCA) by showing how standard SNA techniques, usually based on graph theory, can be supplemented by FCA methods, which rely on lattice theory. The book presents contributions to the following areas: acquisition of terminological knowledge from social networks, knowledge communities, individuality computation, other types of FCA-based

analysis of bipartite graphs (two-mode networks), multimodal clustering, community detection and description in one-mode and multi-mode networks, adaptation of the dual-projection approach to weighted bipartite graphs, extensions to the Kleinberg's HITS algorithm as well as attributed graph analysis.
