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Titolo	Biomedical Data Management and Graph Online Querying : VLDB 2015 Workshops, Big-O(Q) and DMAH, Waikoloa, HI, USA, August 31 – September 4, 2015, Revised Selected Papers // edited by Fusheng Wang, Gang Luo, Chunhua Weng, Arijit Khan, Prasenjit Mitra, Cong Yu
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Descrizione fisica	1 online resource (XIV, 199 p. 73 illus.)
Collana	Information Systems and Applications, incl. Internet/Web, and HCI ; ; 9579
Disciplina	005.74
Soggetti	Application software Information storage and retrieval Artificial intelligence Database management Computer communication systems Software engineering Information Systems Applications (incl. Internet) Information Storage and Retrieval Artificial Intelligence Database Management Computer Communication Networks Software Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Information Retrieval and Data Analytics for Electronic Medical Records -- Vector Space Model for Encoding and Retrieving Longitudinal Medical Records Data -- The Study of the Compatibility Rules of Traditional Chinese Medicine Based on Apriori and HMETIS Hypergraph Partitioning Algorithm -- Comparing Small Graph Retrieval Performance for Ontology Concepts in Medical Texts -- Data Management and Visualization of Medical Data -- Maps of Human Disease: A Web-Based Framework for the Visualization of Human Disease Comorbidity and

Clinical Profile -- Secure Similarity Queries: Enabling Precision Medicine with Privacy -- Time-, Energy-, and Monetary Cost-Aware Cache Design for a Mobile-Cloud Database System -- Biomedical Data Sharing and Integration -- Challenges of Reasoning with Multiple Knowledge Sources in the Context of Drug Induced Liver Injury -- BiobankCloud: a Platform for the Secure Storage, Sharing, and Processing of Large Biomedical Data Sets -- Medical Imaging Analytics -- Three-Dimensional Data Analytics for Pathology Imaging -- Automated Analysis of Muscle X-ray Diffraction Imaging with MCMC -- SparkGIS: Efficient Comparison and Evaluation of Algorithm Results in Tissue Image Analysis Studies -- Big-Graphs Online Querying -- Social Network Analytics: Beyond the Obvious -- S2X: Graph-Parallel Querying of RDF with GraphX -- The Time Has Come: Traversal and Reachability in Time-Varying Graphs -- Robust Cardinality Estimation for Subgraph Isomorphism Queries on Property Graphs.

Sommario/riassunto

This book constitutes the refereed proceedings of the two International Workshops on Big-Graphs Online Querying, Big-O(Q) 2015, and Data Management and Analytics for Medicine and Healthcare, DMAH 2015, held at Waikoloa, Hawaii, USA on August 31 and September 4, 2015, in conjunction with the 41st International Conference on Very Large Data Bases, VLDB 2015. The 9 revised full papers presented together with 5 invited papers and 1 extended abstract were carefully reviewed and selected from 22 initial submissions. The papers are organized in topical sections on information retrieval and data analytics for electronic medical records; data management and visualization of medical data; biomedical data sharing and integration; medical imaging analytics; and big-graphs online querying.
