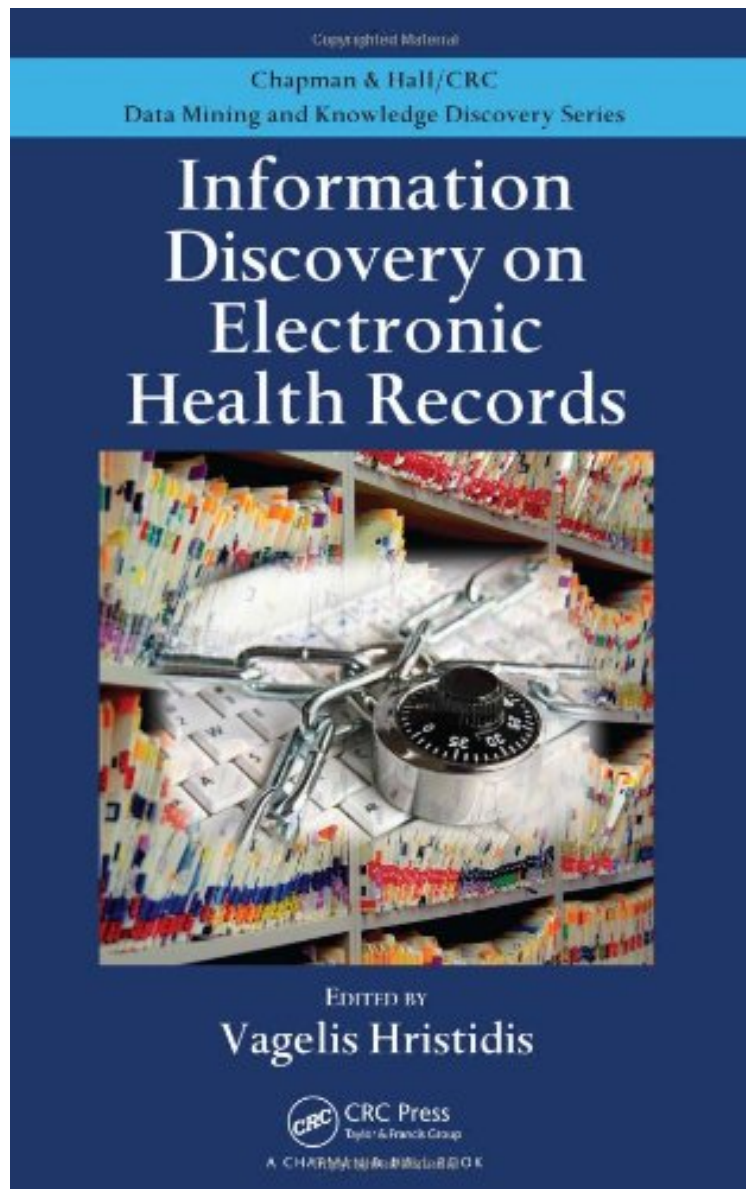


[Read ebook] Information Discovery on Electronic Health Records (Chapman Hall/CRC Data Mining and Knowledge Discovery Series)

Information Discovery on Electronic Health Records (Chapman Hall/CRC Data Mining and Knowledge Discovery Series)

*From Chapman and Hall/CRC
audiobook | *ebooks | Download PDF | ePub | DOC*



[Download](#)

[Read Online](#)

#2425368 in Books 2009-12-10 Original language: English PDF # 1 9.40 x .90 x 6.201, 1.35 #File Name: 1420090380331 pages | File size: 28.Mb

From Chapman and Hall/CRC : Information Discovery on Electronic Health Records (Chapman Hall/CRC Data Mining and Knowledge Discovery Series) before purchasing it in order to gage whether or not it would be worth my time, and all praised Information Discovery on Electronic Health Records (Chapman Hall/CRC Data Mining

and Knowledge Discovery Series):

0 of 0 people found the following review helpful. Finally somebody got it right
By Alexander Markowetz
I really enjoyed reading this book. I work on health care IT in Germany and this book provides good mix of theory and practice. I particularly liked the insight into how much computer science is hidden behind key health care problems like grouping or searching patient records. I would recommend it to any health IT professional who wants to go deeper into the EHR management.
0 of 0 people found the following review helpful. Excellent Book
By George Fakas
I teach computer science. This is a great book to introduce myself and students to the medical records world. The chapters are self-contained, and have a good balance of basic and advanced materials. I also like how there is a chapter that ties everything together and provides a roadmap to the rest of the book. Also good discussion on privacy and data mining.
0 of 0 people found the following review helpful. Good book covering many topics
By Mike
This is a good book to introduce health professionals to the technical issues and challenges when dealing with medical health records. The authors have done a great job in introducing the multi-disciplinary aspects of the topic such as data privacy, data mining, medical images, medical standards. Could also serve as reference manual and/or textbook.

Exploiting the rich information found in electronic health records (EHRs) can facilitate better medical research and improve the quality of medical practice. Until now, a trivial amount of research has been published on the challenges of leveraging this information. Addressing these challenges, *Information Discovery on Electronic Health Records* explores the technology to unleash the data stored in EHRs. Assembling a truly interdisciplinary team of experts, the book tackles medical privacy concerns, the lack of standardization for the representation of EHRs, missing or incorrect values, and the availability of multiple rich health ontologies. It looks at how to search the EHR collection given a user query and return relevant fragments from the EHRs. It also explains how to mine the EHR collection to extract interesting patterns, group entities to various classes, or decide whether an EHR satisfies a given property. Most of the book focuses on textual or numeric data of EHRs, where more searching and mining progress has occurred. A chapter on the processing of medical images is also included. Maintaining a uniform style across chapters and minimizing technical jargon, this book presents the various ways to extract useful knowledge from EHRs. It skillfully discusses how EHR data can be effectively searched and mined.

the topics covered in *Information Discovery on Electronic Health Records* are both timely and important. This combination textbook and reference guide covers topics basic to health care information technology. incorporating the capabilities described in this book into future EMR systems is critical for meeting the goals of improving health care quality and decreasing costs. David Chou, *JAMA*, September 2010
About the Author
Vagelis Hristidis is an assistant professor in the School of Computing and Information Sciences at Florida International University in Miami.