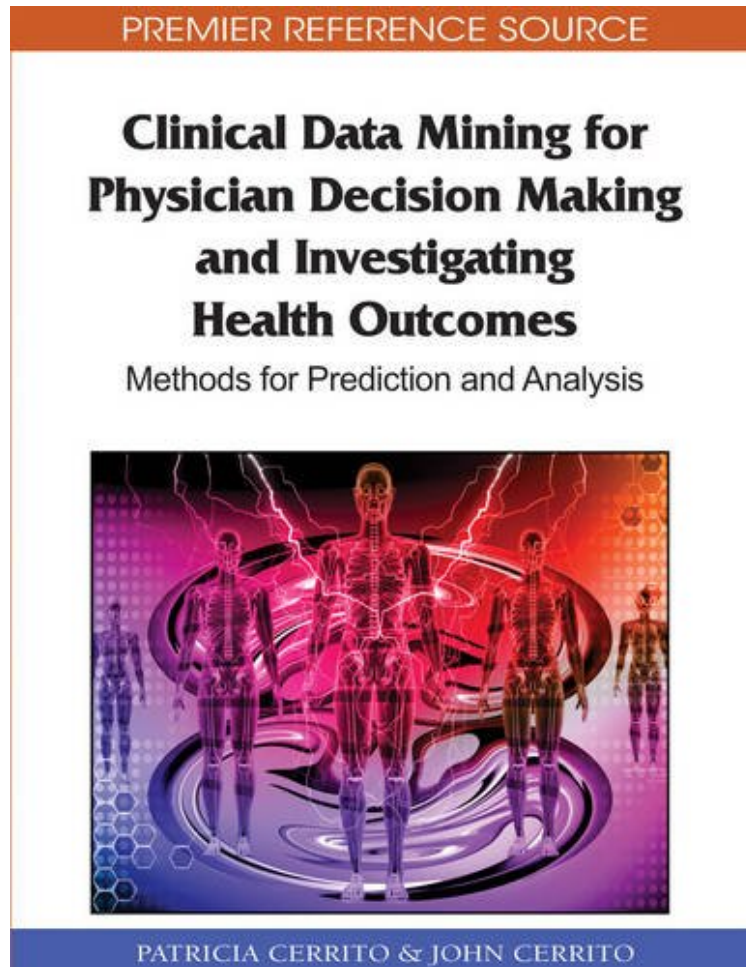


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Clinical Data Mining for Physician Decision Making and Investigating Health Outcomes: Methods for Prediction and Analysis (Premier Reference Source)

Patricia Cerrito

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Patricia Cerrito : Clinical Data Mining for Physician Decision Making and Investigating Health Outcomes: Methods for Prediction and Analysis (Premier Reference Source) before purchasing it in order to gauge whether or not it would be worth my time, and all praised Clinical Data Mining for Physician Decision Making and Investigating Health Outcomes: Methods for Prediction and Analysis (Premier Reference Source):

0 of 0 people found the following review helpful. I find this book very useful. The demonstrations using datasets from major medical databases ...By JOJY CHERIYANAs a physician and a medical informaticist, I find this book very useful. The demonstrations using datasets from major medical databases like NIS, Medpar, MEPS are worth learning.

I have used some of these databases for my previous studies. Also, I like the description of tools and techniques used for data-mining and text mining. This will help in doing more investigations using datasets from health care providers to check the quality and totality of care delivered. This book also provides some meaningful suggestions if you want to investigate the relationship between patient treatment for a chronic disease and the need for the patient to have emergency and inpatient care. Predictive modeling and Analytics are my favorite topics and this book has provided me with more information. In this era of over-treatment and over-diagnosis, a little knowledge of these techniques is essential for all health care providers to perform self-assessment also. Of course, some crucial updates are needed in some chapters, and a few more case studies, but, overall I recommend this as a source of reference.

The investigation of healthcare databases can be used to examine physician decisions and develop evidence-based treatment guidelines that optimize patient outcomes. *Clinical Data Mining for Physician Decision Making and Investigating Health Outcomes: Methods for Prediction and Analysis* demonstrates how concern for detail in datasets and the use of data mining techniques can extract important and meaningful knowledge from healthcare databases. Basic information on processing data with step-by-step instructions is provided, allowing readers to use their own data and follow the instructions to find meaningful results.

About the Author Patricia Cerrito (PhD) has made considerable strides in the development of data mining techniques to investigate large, complex medical data. In particular, she has developed a method to automate the reduction of the number of levels in a nominal data field to a manageable number that can then be used in other data mining techniques. Another innovation of the PI is to combine text analysis with association rules to examine nominal data. The PI has over 30 years of experience in working with SAS software, and over 10 years of experience in data mining healthcare databases. In just the last two years, she has supervised 7 PhD students who completed dissertation research in investigating health outcomes. Dr. Cerrito has a particular research interest in the use of a patient severity index to define provider quality rankings for reimbursements. John Cerrito has practiced pharmacy for over 30 years. He currently is a doctor of pharmacy practicing retail and consulting pharmacy. He has considerable expertise in drug interactions and in working with healthcare claims data to investigate health outcomes.