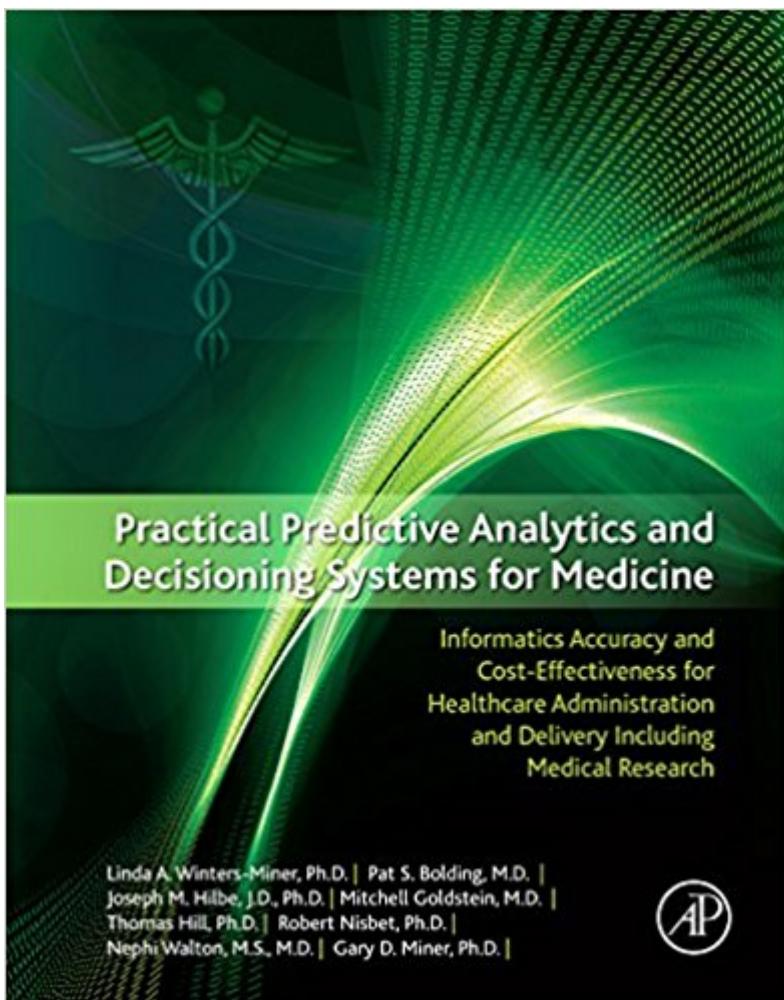


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# Practical Predictive Analytics And Decisioning Systems For Medicine: Informatics Accuracy And Cost-Effectiveness For Healthcare Administration And Delivery Including Medical Research





## **Synopsis**

With the advent of electronic medical records years ago and the increasing capabilities of computers, our healthcare systems are sitting on growing mountains of data. Not only does the data grow from patient volume but the type of data we store is also growing exponentially. Practical Predictive Analytics and Decisioning Systems for Medicine provides research tools to analyze these large amounts of data and addresses some of the most pressing issues and challenges where data integrity is compromised: patient safety, patient communication, and patient information. Through the use of predictive analytic models and applications, this book is an invaluable resource to predict more accurate outcomes to help improve quality care in the healthcare and medical industries in the most costâ€œefficient manner. Practical Predictive Analytics and Decisioning Systems for Medicine provides the basics of predictive analytics for those new to the area and focuses on general philosophy and activities in the healthcare and medical system. It explains why predictive models are important, and how they can be applied to the predictive analysis process in order to solve real industry problems. Researchers need this valuable resource to improve data analysis skills and make more accurate and cost-effective decisions. Includes models and applications of predictive analytics why they are important and how they can be used in healthcare and medical research. Provides real world step-by-step tutorials to help beginners understand how the predictive analytic processes works and to successfully do the computations. Demonstrates methods to help sort through data to make better observations and allow you to make better predictions.

## **Book Information**

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## Customer Reviews

Good book

An excellent resource!

Here is my well-deserved endorsement of this book, a bit longer than what made its back cover. I have more recently, since writing this, seen Tom Davenport and James Taylor's forewords, which I recommend looking at for further perspective on the importance of this book."With healthcare effectiveness and economics facing growing challenges, there is a rapidly emerging movement to fortify medical treatment and administration by tapping the predictive power of big data. And it works! Predictive analytics bolsters patient care, reduces cost, and delivers greater efficiencies across a wide range of operational functions. In-depth and eye-opening, this seminal tome serves both the healthcare professional and the analyst: If you are a healthcare provider, researcher, or administrator, this handbook will motivate and guide your data-crunching; if you are an analytics expert, this industry overview will illuminate the pertinent background you need from the complex and dynamic healthcare industry. To get a grip on the predictive healthcare revolution, one must begin with this book's comprehensive 26 chapters and 33 hands-on tutorials."Eric Siegel, Ph.D. Founder, Predictive Analytics World for Healthcare Author, *Predictive Analytics: The Power to Predict Who Will Click, Buy, Lie, or Die*

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