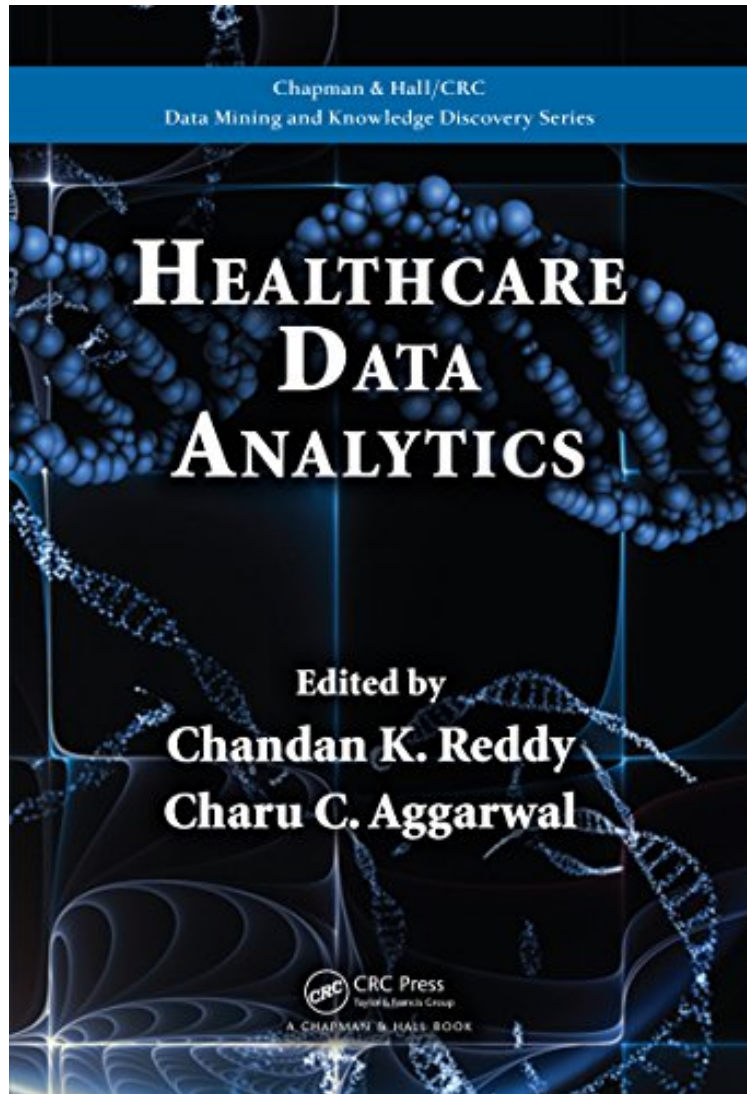


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From Chapman and Hall/CRC : Healthcare Data Analytics (Chapman Hall/CRC Data Mining and Knowledge Discovery Series) before purchasing it in order to gage whether or not it would be worth my time, and all praised Healthcare Data Analytics (Chapman Hall/CRC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

4 of 5 people found the following review helpful. Recommended to a Select Group of ReadersBy Aran Joseph CanesThis is an excellent text but the title is slightly misleading. The foreword advertises the book as something that can help bridge the gap between statistically trained and medically trained professionals who are working in or use health care data analytics. I cannot say the book completely fills that gap but it is still a useful text.What the book

really is a qualitative survey of all the ways modern data collection can influence healthcare, from sensors to the internet. Each of the chapters is written by experts in a particular discipline who summarize the current state of knowledge and provide citations for further research. What the book does not contain is any math or, for that matter, analytics. There is a brief chapter summarizing clinical prediction models but the math covered is the same as would be covered in chapter one of any graduate statistics text. Once you understand the intent of the book I could see it being used as a textbook in a graduate level healthcare data analytics course but it would have to be supplemented with a text that covers the various analytic techniques used by health care data analysts. As for self-study if you are interested in learning what is the state of the literature on a wide variety of health care data topics and their applications then the book would be worth purchasing. I can't believe there are many people, however, who have such an interest. In short, recommended but to a select group of readers. 1 of 2 people found the following review helpful. Excellent book for Healthcare Analytics course By Andy C. Excellent book for Healthcare Analytics course. This covers different aspects in analytics depend on healthcare players. Provide details on EMR data formats and their classification. Also for a new person, advance methods for predictions and visualization are discussed in detail.

At the intersection of computer science and healthcare, data analytics has emerged as a promising tool for solving problems across many healthcare-related disciplines. Supplying a comprehensive overview of recent healthcare analytics research, *Healthcare Data Analytics* provides a clear understanding of the analytical techniques currently available to solve healthcare problems. The book details novel techniques for acquiring, handling, retrieving, and making best use of healthcare data. It analyzes recent developments in healthcare computing and discusses emerging technologies that can help improve the health and well-being of patients. Written by prominent researchers and experts working in the healthcare domain, the book sheds light on many of the computational challenges in the field of medical informatics. Each chapter in the book is structured as a "survey-style" article discussing the prominent research issues and the advances made on that research topic. The book is divided into three major categories: Healthcare Data Sources and Basic Analytics - details the various healthcare data sources and analytical techniques used in the processing and analysis of such data; Advanced Data Analytics for Healthcare - covers advanced analytical methods, including clinical prediction models, temporal pattern mining methods, and visual analytics; Applications and Practical Systems for Healthcare - covers the applications of data analytics to pervasive healthcare, fraud detection, and drug discovery along with systems for medical imaging and decision support. Computer scientists are usually not trained in domain-specific medical concepts, whereas medical practitioners and researchers have limited exposure to the data analytics area. The contents of this book will help to bring together these diverse communities by carefully and comprehensively discussing the most relevant contributions from each domain.

"Anyone with experience in data analytics who is coming into the field of healthcare should make time to read this book hellip;" Computing s "hellip; an outstanding book that contains a resourceful introduction to fundamental knowledge in data sources and basic analysis, as well as a presentation of updated research with respect to data analytic methods and applications in healthcare practice. The book balances the various levels of detail to meet the needs of researchers and practitioners with diverse backgrounds and interests. hellip; a highly recommended book for those who wish to explore the healthcare data analytics domain."? Journal of Biomedical Informatics, 58, 2015 About the Author Chandan K. Reddy is an associate professor in the Department of Computer Science at Wayne State University. He received his PhD from Cornell University and MS from Michigan State University. His primary research interests are in the areas of data mining and machine learning with applications to healthcare, bioinformatics, and social network analysis. His research is funded by the National Science Foundation, the National Institutes of Health, Department of Transportation, and the Susan G. Komen for the Cure Foundation. He has published over 50 peer-reviewed articles in leading conferences and journals. He received the Best Application Paper Award at the ACM SIGKDD conference in 2010 and was a finalist of the INFORMS Franz Edelman Award Competition in 2011. He is a senior member of IEEE and a life member of ACM. Charu C. Aggarwal is a Distinguished Research Staff Member (DRSM) at the IBM T. J. Watson Research Center in Yorktown Heights, New York. He completed his BS from IIT Kanpur in 1993 and his PhD from the Massachusetts Institute of Technology in 1996. He has published more than 250 papers in refereed conferences and journals, and has applied for or been granted more than 80 patents. He is an author or editor of 13 books, including the first comprehensive book on outlier analysis. Because of the commercial value of his patents, he has thrice been designated a Master Inventor at IBM. He is a recipient of an IBM Corporate Award (2003) for his work on bioterrorist threat detection in data streams, a recipient of the IBM Outstanding Innovation Award (2008) for his scientific contributions to privacy technology, a recipient of the IBM Outstanding Technical Achievement Award (2009) for his work on data streams, and a recipient of an IBM Research Division Award (2008) for his contributions to System S. He also received the EDBT 2014 Test of Time Award for his work on condensation-based privacy-preserving data mining. He has served as conference chair and associate editor at many reputed conferences and journals in data mining, general co-chair of the IEEE Big Data Conference (2014), and is editor-in-

chief of the ACM SIGKDD Explorations. He is a fellow of the ACM and the IEEE, for "contributions to knowledge discovery and data mining algorithms."