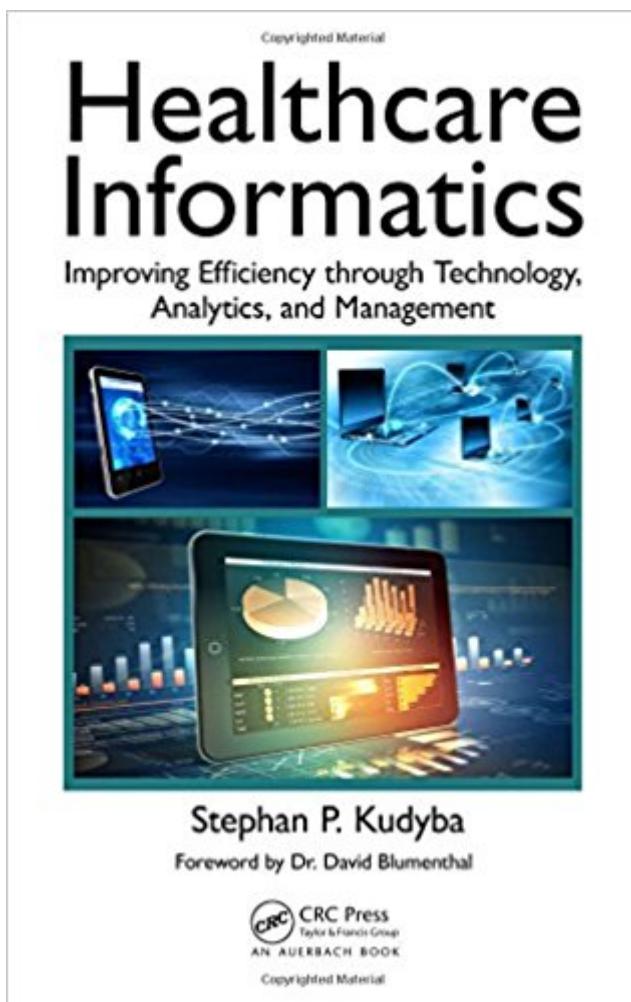The book was found

Healthcare Informatics: Improving Efficiency Through Technology, Analytics, And Management

Synopsis

Healthcare Informatics: Improving Efficiency through Technology, Analytics, and Management supplies an understanding of the different types of healthcare service providers, corresponding information technologies, analytic methods, and data issues that play a vital role in transforming the healthcare industry. All of these elements are reshaping the various activities such as workflow and processes of hospitals, healthcare systems, ACOs, and patient analytics, including hot spotting, risk stratification, and treatment effectiveness.A follow-up to Healthcare Informatics: Improving Efficiency and Productivity, this latest book includes new content that examines the evolution of Big Data and how it is revolutionizing the healthcare industry. It presents strategies for achieving national goals for the meaningful use of health information technology and includes sound project management principles and case illustrations for technology roll-out, such as Computer Physician Order Entry (CPOE) for optimal utilization.The book describes how to enhance process efficiency by linking technologies, data, and analytics with strategic initiatives to achieve success. It explains how to leverage data resources with analytics to enhance decision support for care providers through in-depth descriptions of the array of analytic methods that are used to create actionable information, including Business Intelligence, Six Sigma, Data, and Text Mining.

Book Information

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Customer Reviews

"Professor KudybaÃ¢â¬â¢s latest book, Health Informatics: Improving Efficiency through Technology, Analytics, and Management, provides a thorough and comprehensive review of the

state of health care information technology and its application at the current time. The book also makes clear, however, that many complex issues remain to be addressed if we are to realize the full potential of digitizing health information."Ã¢â ¬â ¢From the Foreword by Dr. David Blumenthal, President and CEO, The Commonwealth Fund

Dr. Stephan P. Kudyba is a professor in the school of management at the New Jersey Institute of Technology. He has published numerous books, journal articles, and magazine articles on strategic utilization of data, information, and technologies to enhance organizational and macro productivity. Dr. Kudyba regularly presents at academic conferences, corporate seminars, and university symposiums addressing trends in information technologies, information management, and the evolving information and knowledge economy. He has over 15 years of private sector experience at prominent organizations in the US and Europe, has held editorial positions for academic journals, is a member of a number of information management based societies, and is involved with helping organizations across a variety of industries address strategic initiatives.

This book is one of the most comprehensive writings on Healthcare Informatics that I've read. The author summarily describes the goal of the healthcare industry is to increase delivery of quality care with a simultaneous decrease in cost. How to get there has been the subject of public debate. WhatÃƒÂ¢Ã â ¬Ã â„¢s not debatable is that we have been on a non-sustainable course (with increasing costs and aging population) and that Healthcare Informatics can improve our lot.Why now?The author states that due to 1) Scientific advancements, 2) Digital convergence and 3) The rising cost of healthcare around the world there is an opportunity and need to increase the delivery of quality healthcare with the simultaneous decrease in cost. He is very well versed in the use of data and data analytics from his overall industry experience. I relate and am surprised to see more diagnostic and maintenance care information regarding my automobile than I do on my own health records. Or that my grocer has more buying and consumption information than my own doctor has readily available.The author reviews why the healthcare industry has had more challenges but, now has an even more important need and opportunity. The industry is beginning to unleash a torrent of electronic data and now at the same time there is an increase in sophisticated analytical tools is available. The author reviews traditional analytical tools as well as completely new tools currently in development such as predictive analytics and cognitive computing.Highlights from the author explains how seven years of investment to get to Electronic Health Records (EHR) from initiatives such as: Health Information Technology for Economic and Clinical Health Act (HITECH), and The

Affordable Care Act and resulting shifts in Medicare payments from pay for service (volume) to pay for outcomes (value) is creating opportunity in the industry to try new processes and technologies.Technology advancements in Interoperability, Mobility and Decision-Support analysis and Big Data tools promise to have an impact in Clinical and Operational areas according to the author. The author presents a comprehensive and practical guide to understanding the landscape and for developing a plan and policy for you.The OpportunityFour Areas of opportunity: 1 Financial activity, 2) Compliance issues 3) Quality improvement in clinical and operational activities and 4) Customer Relationship Management in Healthcare. The promise and hope for achieving the goals is the application and mining of Health Informatics information tools. Some have already been used in other industries but now can be applied to EHRÃƒÂ¢Ã â ¬Ã â„¢s and Computerized Physician Order Entry (CPOE) platform information as well as new tools like Six Sigma applications with a bigger potential opportunity in applying even newer tools for unstructured and big data analysis on clinical information, blogs and social media venues to be included in clinical diagnostics and for CDC epidemiology alerts.The impact of big data on data analysis is huge with the potential to improve patient outcomes, save lives change the healthcare standard of care and manage resources more efficiently to lower overall cost. We need to get to a sustainable healthcare system. The challenge is actualizing the opportunity for you and your organization and also across the Healthcare value chain in the continuum of care. This book offers a practical guide to impact Healthcare sustainability with the implementation of data/data analysis technology in the nascent Healthcare Informatics landscape.David KleinDigital Marketing Professional in the Healthcare Industry andNJ (SIM) Member- Society of Information Management

Just what my wife need for her BSN class.

Came fast and excellent condition. Great book relevant to the today.

Terrible ebook. Not formatted for newer devices so I was stuck using my old kindle to read.

Not suitable for intro nurse infomatics course.... Just a collection of research papers

good resource

Brand new textbook.

Required for BSN program. Each chapter has different author(s) which makes some chapters easier to read than others. Disappointed that the first chapter used Wikipedia as a reference; academicians and scholars should know better than that.

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