Universitas Esa Unggul

Perpustakaan Universitas Esa Unggul

PERIODE TAHUN 2023
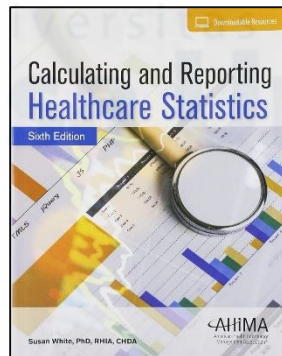
Calculating and Reporting Healthcare Statistics, 6th ed

Author : Susan White
No. Class : 610.7 WHI c
Lokasi : Jakarta, Tangerang dan Bekasi

Description:

This book is a comprehensive resource intended for healthcare professionals and students seeking to understand and sharpen their statistical computation skills. The text is organize around exercises and examples that are presented extensively using Excel calculation displays.
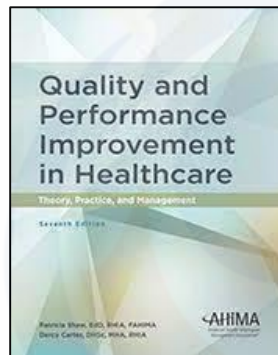
Quality and Performance Improvement in Healthcare

Author : Patricia L. Shaw dan Darcy Carter
No. Class : 362.106 8 SHA q
Lokasi : Jakarta, Tangerang dan Bekasi

Description:

Quality and Performance Improvement in Healthcare: Theory, Practice, and Management covers trends in healthcare quality control and performance. It presents a comprehensive introduction to the theory, practice, and management of performance and quality improvement processes in healthcare organizations.

Key Features:

- New Check Your Understanding questions in each chapter

- New four-color design

- Covers current CAHIIM accreditation standards and maps chapter content to the curriculum

- Each chapter reinforces understanding of performance improvement concepts and issues with case studies and real-life examples

- Student projects range from designing specific improvement projects to ongoing quality monitoring and managing quality improvement programs and staff
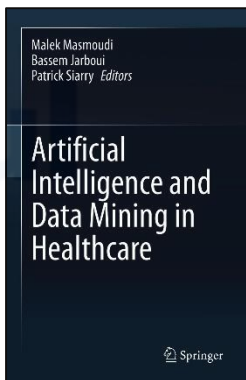
Artificial Intelligence And Data Mining in Healthcare

Author	: Malek Masmoudi
No. Class	: 006.3 MAS a
Lokasi	: Jakarta

Description:

This book presents recent work on healthcare management and engineering using artificial intelligence and data mining techniques. Specific topics covered in the contributed chapters include predictive mining, decision support, capacity management, patient flow optimization, image compression, data clustering, and feature selection.

The content will be valuable for researchers and postgraduate students in computer science, information technology, industrial engineering, and applied mathematics.
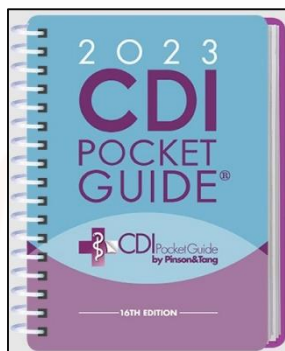
Two Thousand Twenty Three CDI Pocket Guide

Author	: Richard D. Pinson dan Cynthia L. Tang
No. Class	: 616 PIN t
Lokasi	: Jakarta

Description:

The 16th edition has been revised and updated with the latest diagnostic criteria and coding standards while retaining the clear and direct approach of previous editions. The companion online edition (offered separately), CDI Pocket Guide Unbound, contains the same industry-leading clinical information and guidance contained in the print edition, but offers additional content and features, along with access to interactive in-depth training webinars on the most challenging topics. Also available as an Apple and Android mobile app. Our customers have shared...The most important reference in my arsenal and keeps getting better. You guys are the best in the business. Nobody else in the CDI business comes close.
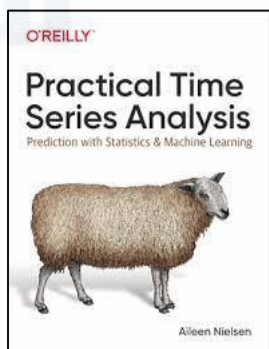
Practical Time Series Analysis: Prediction With Statistics and Machine Learning

Author	: Aileen Nielsen
No. Class	: 519.55 NIE p
Lokasi	: Jakarta

Description:

Time series data analysis is increasingly important due to the massive production of such data through the Internet of things, the digitalization of healthcare, and the rise of smart cities. As continuous monitoring and data collection become more common, the need for competent time series analysis with both statistical and machine learning techniques will increase.

Covering innovations in time series data analysis and use cases from the real world, this practical guide will help you solve the most common data engineering and analysis challenge in time series, using both traditional statistical and modern machine learning techniques.
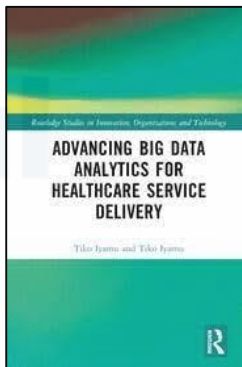
Advancing Big Data Analytics for Healthcare Service Delivery

Author   : Tiko Iyamu
No. Class   : 610.285 IYA a
Lokasi   : Jakarta

Description:

In recent years, there has been steady increase in the interest shown in both big data analytics and the use of information technology (IT) solutions to improve healthcare services. Despite the growing interest, there are limited materials, to addressing the needs and challenges posed by the activities and processes including the use of big data. From IT solutions perspectives, this book aims to advance the deployment and use of big data analytics to increase patients big data usefulness and improve healthcare service delivery.

The book provides significant insights and useful guide on how to access and manage big data, in improving healthcare service delivery. The book contributes a fresh perspective, which primarily comes from the complementary use of analytics approach with actor-network theory (ANT), and other techniques, in advancing healthcare service delivery. Accessing and managing healthcare big data have always been a challenging exercise. Due to the sensitivity of the health sector, the focus on patients big data is from either technical or social perspective. Thus, the book employs sociotechnical theories, ANT and structuration theory (ST) as lenses to examine and explain the factors that enable and constrain the use of patients big data for health services. By doing so, the book brings a different dimension and advance health service delivery.
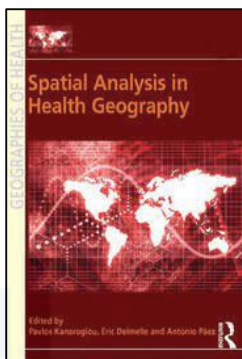
Spatial Analysis in Health Geography

Author   : Pavlos Kanaroglou, Eric Delmelle dan Antonio Paez
No. Class   : 614.42 KAN s
Lokasi   : Jakarta

Description:

Presenting current research on spatial epidemiology, this book covers topics such as exposure, chronic disease, infectious disease, accessibility to health care settings and new methods in Geographical Information Science and Systems. For epidemiologists, and for the management and administration of health care settings, it is critical to understand the spatial dynamics of disease. For instance, it is crucial that hospital administrators develop an understanding of the flow of patients over time, especially during an outbreak of a particular disease, so they can plan for appropriate levels of staffing and to carry out adaptive prevention measures. Furthermore, understanding where and why a disease occurs at a certain geographic location is vital for decision makers to formulate policy to increase the accessibility to health services (either by prevention, or adding new facilities). Spatial epidemiology relies increasingly on new methodologies, such as clustering algorithms, visualization and space-time modelling, the domain of Geographic Information Science. Implementation of those techniques appears at an increasing pace in commercial Geographic Information Systems, alongside more traditional techniques that are already part of such systems. This book provides the latest methods in GI Science and their use in health related problems.
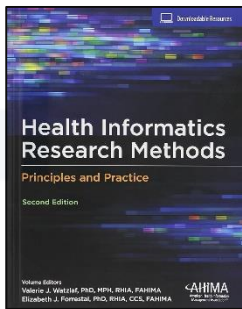
Health Informatics Research Methods: Principles and Practice, 2nd ed

Author   : Tiko Iyamu
No. Class   : 610.285 IYA a
Lokasi   : Jakarta

Description:

Dedicated to the study and practice of health informatics and health information management (HIM), Health Informatics Research Methods: Principles and Practice, Second Edition focuses on the practical applications of research in health informatics and HIM. It provides real-life examples of research studies, step-by-step research methods, and explanations of analytic procedures. The books organization guides students and professionals through the process of conducting research specific to health informatics and HIM and is an in-depth resource for both novice and experienced researchers.

New to This Edition:
- Application exercises at the end of each chapter challenge students and support knowledge building
- New chapters dedicated to data science and data mining, systematic reviews and meta-analysis, and applied statistics
- Online student ancillaries provide additional templates, examples, and resources

Key Features:
- Aligns to 2014 AHIMA HIM baccalaureate and graduate curriculum competencies
- Builds research skills, application to data analysis, and decision making
- Ideal for health informatics and HIM students
- Provides detailed structure for planning, conducting, reporting, and assessing research
- Real-world examples illustrate research methodology
- Robust instructors materials offer project and assignment ideas as well as slide decks for lectures, a test bank for each chapter, a full answer key, and maps to baccalaureate- and graduate-level 2014 AHIMA HIM curriculum competencies.

Providing a timely and important contribution to this critical area, this book is a valuable, international resource for academics, postgraduate students and researchers in the areas of IT, big data analytics, data management and health informatics.

Epidemiologi untuk Perekam Medis

Author   : Lilis Masyfufah
No. Class   : 614.4 MAS e
Lokasi   : Jakarta

Description:

Sebagai calon ahli perekam medis, hendaknya mempunyai buku ini karena di dalam buku ini terdapat ranah-ranah yang harus dikuasai oleh perekam medis pada dunia kerja. Tujuan akhir dari dunia rekam medis adalah mampu menyajikan data kesehatan yang mendukung pembangunan negara. Mengingat pentingnya keberadaan perekam medis sebagai sumber informasi di suatu layanan kesehatan, penulis berusaha menyusun buku ini yang memuat epidemiologi secara umum hingga khusus untuk perekam secara komprehensif. oleh karena itu, buku ini sangat dianjurkan untuk mahasiswa Rekam Medis dan Informasi Kesehatan semester 4 pada matakuliah Epideiologi. Materi yang dibahas dalam buku ini adalah: konsep dasar epideiologi, konsep penyebab dan terjadinya penyakit, riwayat alamiah penyakit, ukuran frekuensi penyakit, pola penyakit/ epidemiologi deksriptif, skrining/penyaringan, surveilans epidemiologi, penelitian epidemiologi, statistik kesehatan masyarakat informasi epidemiologi (birth rate and measure of infnt mortality), statistik kesehatan masyarakat informasi epidemiologi (death or mortality rate), sistem informasi kesehaatan nasional.
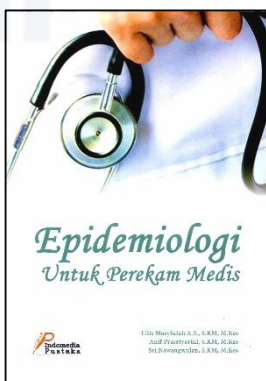
Enterprise Health Information Management and Data

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Author	: Merida L. Johns
No. Class	: 610.285 JOH e
Lokasi	: Jakarta

Description:

Enterprise Health Information Management and Data Governance provides the fundamentals, principles, and practices for managing the data asset. Data growth rates are increasing at a phenomenal pace for most businesses. Enterprise Health Information Management and Data Governance tackles how healthcare organizations can manage their data in this era of dramatic data explosion and growing deployment of information technologies.

Healthcare organizations must understand that their sustainability and future viability relies on the quality of their data and how they manage this resource on an enterprise-wide basis. This text provides a framework and logical structure to help students understand the components of health information management in a digital era and to provide them with opportunities to develop the necessary skills for performing functions associated with these components.

Key features:

- Provides an outline of enterprise-wide information management (EIM) for healthcare
- Each chapter incorporates a case study, providing a real-world perspective to student learning and exploring the concepts and interrelationships of EIM and data governance
- Students are invited to be a part of the case study through a set of activities at the end of each chapter
- Advanced concepts are provided at the end of each chapter for in-depth analysis and study
- Aligns with AHIMA core competencies
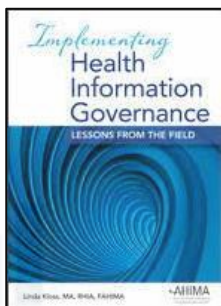
Implementing Health Information Governance: Lessons from the Field

Author	: Linda Kloss
No. Class	: 610.285 KLO i
Lokasi	: Jakarta

Description:

Succeeding in a value-based health system has changed requirements for trusted information at all levels. Healthcare has transitioned from a paper to a digital infrastructure over the past decade, but the governance and enterprise management mechanisms have not yet caught up. Current practices remain largely isolated and insufficient for the new digital information environment. The growing volume and sources of electronic data and the complexities of information and communication technologies eclipse the governance capacity of most organizations. Implementing Health Information Governance: Lessons from the Field outlines lessons from healthcare organizations that have already made progress in formalizing information governance. It offers tested practices for aligning governance to the organization s goals, organizing and staffing governance and enterprise management, building on what is working, and guiding incremental improvement. As technological enhancements put a greater emphasis on information as a crucial asset, the need for organizations to ready a comprehensive governance plan increases. By learning from the achievements and challenges of these case study organizations, other entities may chart their course and plan a future-facing governance implementation strategy to improve organizational performance, compliance, and control costs. Key Features include: 14 distinct healthcare organizations are profiled in 26 individual case studies Case study organizations span multiple healthcare delivery systems at various stages of implementing information governance policies A model for understanding the functions of information governance and enterprise information management Practical roadmaps for securing support for information governance and getting started.
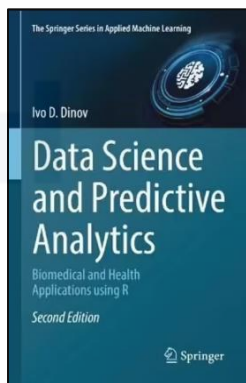
Data Science And Predictive Analytics: Biomedical And Health Applications Using R

Author : Ivo D. Dinov
No. Class : 005.7 DIN d
Lokasi : Jakarta

Description:

Over the past decade, Big Data have become ubiquitous in all economic sectors, scientific disciplines, and human activities. They have led to striking technological advances, affecting all human experiences. Our ability to manage, understand, interrogate, and interpret such extremely large, multisource, heterogeneous, incomplete, multiscale, and incongruent data has not kept pace with the rapid increase of the volume, complexity and proliferation of the deluge of digital information. There are three reasons for this shortfall. First, the volume of data is increasing much faster than the corresponding rise of our computational processing power (Kryders law > Moores law). Second, traditional discipline-bounds inhibit expeditious progress. Third, our education and training activities have fallen behind the accelerated trend of scientific, information, and communication advances. There are very few rigorous instructional resources, interactive learning materials, and dynamic training environments that support

active data science learning. The textbook balances the mathematical foundations with dexterous demonstrations and examples of data, tools, modules and workflows that serve as pillars for the urgently needed bridge to close that supply and demand predictive analytic skills gap.

Exposing the enormous opportunities presented by the tsunami of Big data, this textbook aims to identify specific knowledge gaps, educational barriers, and workforce readiness deficiencies. Specifically, it focuses on the development of a transdisciplinary curriculum integrating modern computational methods, advanced data science techniques, innovative biomedical applications, and impactful health analytics.

The content of this graduate-level textbook fills a substantial gap in integrating modern engineering concepts, computational algorithms, mathematical optimization, statistical computing and biomedical inference. Big data analytic techniques and predictive scientific methods demand broad transdisciplinary knowledge, appeal to an extremely wide spectrum of readers/learners, and provide incredible opportunities for engagement throughout the academy, industry, regulatory and funding agencies.

The two examples below demonstrate the powerful need for scientific knowledge, computational abilities, interdisciplinary expertise, and modern technologies necessary to achieve desired outcomes (improving human health and optimizing future return on investment). This can only be achieved by appropriately trained teams of researchers who can develop robust decision support systems using modern techniques and effective end-to-end protocols, like the ones described in this textbook.

- A geriatric neurologist is examining a patient complaining of gait imbalance and posture instability. To determine if the patient may suffer from Parkinsons disease, the physician acquires clinical, cognitive, phenotypic, imaging, and genetics data (Big Data). Most clinics and healthcare centers are not equipped with skilled data analytic teams that can wrangle, harmonize and interpret such complex datasets. A learner that completes a course of study using this textbook will have the competency and ability to manage the data, generate a protocol for deriving biomarkers, and provide an actionable decision support system. The results of this protocol will help the physician understand the entire patient dataset and assist in making a holistic evidence-based, data-driven, clinical diagnosis.

- To improve the return on investment for their shareholders, a healthcare manufacturer needs to forecast the demand for their product subject to environmental, demographic, economic, and bio-social sentiment data (Big Data). The organizations data-analytics team is tasked with developing a protocol that identifies, aggregates, harmonizes, models and analyzes these heterogeneous data elements to generate a trend forecast. Thissystem needs to provide an automated, adaptive, scalable, and reliable prediction of the optimal investment, e.g., R&D allocation, that maximizes the companys bottom line. A reader that complete a course of study using this textbook will be able to ingest the observed structured and unstructured data, mathematically represent the data as a computable object, apply appropriate model-based and model-free prediction techniques. The results of these techniques may be used to forecast the expected relation between the companys investment, product supply, general demand of healthcare (providers and patients), and estimate the return on initial investments.