

Guidelines For Scheduling In Primary Care An Empirically

This edited volume captures and communicates the best thinking on how to improve healthcare by improving the delivery of services -- providing care when and where it is needed most -- through application of state-of-the-art scheduling systems. Over 12 chapters, the authors cover aspects of setting appointments, allocating healthcare resources, and planning to ensure that capacity matches needs for care. A central theme of the book is increasing healthcare efficiency so that both the cost of care is reduced and more patients have access to care. This can be accomplished through reduction of idle time, lessening the time needed to provide services and matching resources to the needs where they can have the greatest possible impact on health. Within their chapters, authors address: (1) Use of scheduling to improve healthcare efficiency. (2) Objectives, constraints and mathematical formulations. (3) Key methods and techniques for creating schedules. (4) Recent developments that improve the available problem solving methods. (5) Actual applications, demonstrating how the methods can be used. (6) Future directions in which the field of research is heading. Collectively, the chapters provide a comprehensive state-of-the-art review of models and methods for scheduling the delivery of patient care for all parts of the healthcare system. Chapter topics include setting appointments for ambulatory care and outpatient procedures, surgical scheduling, nurse scheduling, bed management and allocation, medical supply logistics and routing and scheduling for home healthcare.

Prepare for PMP certification exam success with this fully updated and comprehensive study guide This study guide serves as a comprehensive resource for those who plan on taking the Project Management Professional (PMP) certification exam administered by PMI. The book helps you prepare for the exam, and it will continue to serve project managers as an on-the-job reference book. The PMP Project Management Professional Exam Study Guide, Tenth Edition is fully updated to include recent changes to the exam. New content covers the integral role that Agile and other iterative practices have in project management. Updates also address the pivotal responsibilities of the project manager and the skill sets required for this position. The study guide was written to reflect the Project Management Process and Procedures found in the revised A Guide to the Project Management Body of Knowledge -- PMBOK® Guide, 6th Edition. Well-known author and expert Kim Heldman, PMP, helps to prepare you for the exam with in-depth coverage of topics, concepts, and key terms. Learn more about the three main domain areas of people, process, and business environment, plus the predictive, agile, and hybrid approaches to project management.This guide is an effective learning aid that will take your understanding to the next level. Provides comprehensive material, covering the complete exam outline Lists chapter objectives and offers detailed discussions of these objectives Reflects differences in project management environments and approaches Effectively presents real world scenarios, project application sidebars, and chapter review questions You'll also connect to a beneficial, on-the-go resource: an interactive online learning environment and test bank. This environment includes an assessment test, chapter tests, practice exams, electronic flashcards, and a glossary of key terms. A thorough review is the best prep for a challenging certification exam. So, get ready with this essential PMP study guide.

Advanced Practice Palliative Nursing is the first text devoted to advanced practice nursing care of the seriously ill and dying. This comprehensive work addresses all aspects of palliative care including physical, psychological, social, and spiritual needs. Chapters include: symptoms common in serious illness, pediatric palliative care, spiritual and existential issues, issues around the role and function of the advanced practice nurse (APN), reimbursement, and nursing leadership on palliative care teams. Each chapter contains case examples and a strong evidence base to support the highest quality of care. The text is written by leaders in the field and includes authors who have pioneered the role of the advanced practice nurse in palliative care. This volume offers advanced practice content and practical resources for clinical practice across all settings of care and encompassing all ages, from pediatrics to geriatrics.

Getting to Now

Registries for Evaluating Patient Outcomes

Federal Energy Guidelines

Three Essays on Data-driven Optimization for Scheduling in Manufacturing and Healthcare

Practice Standard for Scheduling - Third Edition

PMP Project Management Professional Exam Study Guide

The Directory of Federal Court Guidelines outlines the requirements of over 600 federal judges in detailed form along with the procedures they mandate on such essential matters as discovery, scheduling conferences, alternative dispute resolution, voir dire, marking of exhibits, and jury participation. This is critical inside information directly from the federal courts and judges compiled and published in cooperation with the American Bar Association's Section of Litigation. You will get every sitting judge's educational background, previous experience on the bench, with the government and in private practice, and honors and awards. Many judges have provided photographs and the names and telephone numbers of their secretaries and court clerks as well. Updated three times a year, Directory of Federal Court Guidelines will prove to be a vital research tool for preparing your case.

The Model Rules of Professional Conduct provides an up-to-date resource for information on legal ethics. Federal, state and local courts in all jurisdictions look to the Rules for guidance in solving lawyer malpractice cases, disciplinary actions, disqualification issues, sanctions questions and much more. In this volume, black-letter Rules of Professional Conduct are followed by numbered Comments that explain each Rule's purpose and provide suggestions for its practical application. The Rules will help you identify proper conduct in a variety of given situations, review those instances where discretionary action is possible, and define the nature of the relationship between you and your clients, colleagues and the courts.

The International Conference on Communications, Management, and Information Technology (ICCMIT'16) provides a discussion forum for scientists, engineers, educators and students about the latest discoveries and realizations in the foundations, theory, models and applications of systems inspired on nature, using computational intelligence methodologies, as well as in emerging areas related to the three tracks of the conference: Communication Engineering, Knowledge, and Information Technology. The best 25 papers to be included in the book will be carefully reviewed and selected from numerous submissions, then revised and expanded to provide deeper insight into trends shaping future ICT.

101 Primary Care Case Studies

The Code of Federal Regulations of the United States of America

Networking Health

GUIDELINES FOR SCHEDULING IN PRIMARY CARE

MGMT

The National Elementary Principal

Real-life primary care case studies from more than 50 primary care providers, including physician assistants, nurse practitioners, and physicians! 101 Primary Care Case Studies offers real-life patient scenarios and critical thinking exercises to help you work through a patient's chief complaint. Through narrative case studies, you will determine how best to diagnose, treat, and manage your patient based on the history of present illness, review of systems, relevant history, and physical examination findings. This workbook will ask probing questions to help you determine differential and most likely diagnoses, diagnostic tests to order, and appropriate patient management strategies using relevant and timely references to support your decisions. The organization of each case study simulates the patient care journey from chief complaint to outcome. Serving as a virtual clinical preceptor, this workbook can be used independently or in a classroom setting. It is accompanied by a robust online student supplement that provides answers to all questions, real outcomes of the cases, and valuable personal insights from the authors on how the patient was successfully managed. Not only will this workbook help you work through patient cases clinically, it will also share important, but often overlooked, bedside manner skills needed to successfully communicate with and care for your patients. Covering conditions across all organ systems and across the lifespan, this workbook is organized by chief complaint, providing an authentic perspective on what to expect in the patient care environment. It even includes information on pathophysiology and how to use ICD-10 and CPT (E/M) codes in your documentation. The book uniquely weaves together both the science and art of medicine by including personal insights into quality and compassionate care. Key Features Provides real-life patient cases from an interprofessional author team of physician assistants, nurse practitioners, and physicians Uses a templated case study design and critical thinking exercises to help you methodically work through various patient scenarios Teaches clinical and bedside manner skills imperative for delivering quality patient care Covers patients across the lifespan, including pediatric, adolescent, adult, and geriatric populations Offers additional insight on patient education, medical and legal concerns, and interprofessional collaboration Includes a robust online student supplement with valuable insights from the authors on how they successfully managed the cases Provides instructors with a table of contents that is filterable by chief complaint, diagnosis, patient population, and organ system *Details changed to protect patient information.*

This dissertation consists of three essays on data-driven optimization for scheduling in manufacturing and healthcare. In Chapter 1, we briefly introduce the optimization problems tackled in these essays. The first of these essays deals with machine scheduling problems. In Chapter 2, we compare the effectiveness of direct positional variables against relative positional variables computationally in a variety of machine scheduling problems and we present our results. The second essay deals with a scheduling problem in healthcare: the team primary care practice. In Chapter 3, we build upon the two-stage stochastic integer programming model introduced by Alvarez Oh (2015) to solve this challenging scheduling problem of determining patient appointment times to minimize a weighted combination of patient wait and provider idle times for the team practice. To overcome the computational complexity associated with solving the problem under the large set of scenarios required to accurately capture uncertainty in this setting, our approach relies on a lower bounding technique based on solving an exhaustive and mutually exclusive group of scenario subsets. Our computational results identify the structure of optimal schedules and quantify the impact of nurse flexibility, patient crossovers and no-shows. We conclude with practical scheduling guidelines for team primary care practices. The third essay deals with another scheduling problem observed in a manufacturing setting similar to first essay, this time in aerospace industry. In Chapter 4, we propose mathematical models to optimize scheduling at a tactical and operational level in a job shop at an aerospace parts manufacturer and implement our methods using real-life data collected from this company. We generalize the Multi-Level Capacitated Lot-Sizing Problem (MLCLSP) from the literature and use novel computational techniques that depend on the data structure observed to reduce the size of the problem and solve realistically-sized instances in this chapter. We also provide a sensitivity analysis of different modeling techniques and objective functions using key performance indicators (KPIs) important for the manufacturer. Chapter 5 proposes extensions of models and techniques that are introduced in Chapters 2, 3 and 4 and outlines future research directions. Chapter 6 summarizes our findings and concludes the dissertation.

Special edition of the Federal Register, containing a codification of documents of general applicability and future effect ... with ancillaries.

A Workbook for Clinical and Bedside Skills

A Guide to Computer-based Analytical Tools for Implementing National Forest Plans

A User's Guide

Prescriptions for the Internet

Code of Federal Regulations

Price Setting and Price Regulation in Health Care

This issue of Physical Medicine and Rehabilitation Clinics devoted to Life Care Planning is Guest Edited by Michel Lacerte, MD, Richard Paul Bonfiglio, MD, and Cloie B. Johnson, M.Ed., ABEVE, CCM. This issue will focus on the long-term care of a patient's rehabilitation, typically after a major life event. Articles in this issue will focus on the life care planning of patients with spinal cord injury, acquired brain injury, spinal pain, Cerebral Palsy, neuropathic pain, and life care planning for amputees. Other articles in this issue include: The Life Care Planning Process; The Physiatrist's Role in Life Care Planning; Life Expectancy Determination; and Vocational Rehabilitation and Work Life Expectancy.

This practical book and its accompanying CD-ROM include over 100 schedules to help elementary schools raise student achievement.

Consumer health websites have garnered considerable media attention, but only begin to scratch the surface of the more pervasive transformations the Internet could bring to health and health care. Networking Health examines ways in which the Internet may become a routine part of health care delivery and payment, public health, health education, and biomedical research. Building upon a series of site visits, this book: Weighs the role of the Internet versus private networks in uses ranging from the transfer of medical images to providing video-based medical consultations at a distance. Reviews technical challenges in the areas of quality of service, security, reliability, and access, and looks at the potential utility of the next generation of online technologies. Discusses ways health care organizations can use the Internet to support their strategic interests and explores barriers to a broader deployment of the Internet. Recommends steps that private and public sector entities can take to enhance the capabilities of the Internet for health purposes and to prepare health care organizations to adopt new Internet-based applications.

Final Report

Shaping the Future of ICT

Enhancing Instruction for Student Achievement

FERC reports

Advanced Practice Palliative Nursing

Life Care Planning, An Issue of Physical Medicine and Rehabilitation Clinics,

Lists citations with abstracts for aerospace related reports obtained from world wide sources and announces documents that have recently been entered into the NASA Scientific and Technical Information Database.

Practice Standard for Scheduling—Third Edition provides the latest thinking regarding good and accepted practices in the area of scheduling for a project. This updated practice standard expounds on the information contained in Section 6 on Project Schedule Management of the PMBOK® Guide. In this new edition, you will learn to identify the elements of a good schedule model, its purpose, use, and benefits. You will also discover what is required to produce and maintain a good schedule model. Also included: a definition of schedule model; uses and benefits of the schedule model; definitions of key terms and steps for scheduling; detailed descriptions of scheduling components; guidance on the principles and concepts of schedule model creation and use; descriptions of schedule model principles and concepts; uses and applications of adaptive project management approaches, such as agile, in scheduling; guidance and information on generally accepted good practices; and more.

The Code of Federal Regulations is the codification of the general and permanent rules published in the Federal Register by the executive departments and agencies of the Federal Government.

Transforming Health Care Scheduling and Access

Federal Register

Scientific and Technical Aerospace Reports

Large Animal Internal Medicine - E-Book

CPM Scheduling for Construction

1985-1999

This volume compiles the work coordinated by the Scheduling Excellence Initiative Committee (SEI) to improve standardization and provide best practice guidelines for scheduling processes in the construction industry. It serves as a guide for all schedulers and planners from entry level to senior schedulers, as well as non-schedulers in management roles.

This book highlights the synthesis of manufacturing knowledge and information technology in providing an overall solution to the area of shop floor control. A combination of research with state of the art technology, the book goes from the theory of design to the practicability of implementation.

According to Transforming Health Care Scheduling and Access, long waits for treatment are a function of the disjointed manner in which most health systems have evolved to accommodate the needs and the desires of doctors and administrators, rather than those of patients. The result is a health care system that deploys its most valuable resource--highly trained personnel--inefficiently, leading to an unnecessary imbalance between the demand for appointments and the supply of open appointments. This study makes the case that by using the techniques of systems engineering, new approaches to management, and increased patient and family involvement, the current health care system can move forward to one with greater focus on the preferences of patients to provide convenient, efficient, and excellent health care without the need for costly investment. Transforming Health Care Scheduling and Access identifies best practices for making significant improvements in access and system-level change. This report makes recommendations for principles and practices to improve access by promoting efficient scheduling. This study will be a valuable resource for practitioners to progress toward a more patient-focused "How can we help you today?" culture.

The CMS Hospital Conditions of Participation and Interpretive Guidelines

Best Practices and Guidelines

System Administration Guide for MicroStrategy 9. 3

From Design to Implementation

Guide to U.S. Elections

Phased Project Planning Guidelines

Large Animal Internal Medicine, 4th Edition features a problem-based approach with discussions of over 150 clinical signs. This is the first internal medicine reference that enables you to efficiently diagnose horses, cattle, sheep, and goats based on clinical observation and laboratory and diagnostic testing. With this user-friendly format, you can find essential information about specific diseases and reach a diagnosis by simply identifying the signs. A unique problem-based approach with discussions of over 150 clinical signs and manifestations helps you quickly reach a diagnosis based on observations and laboratory tests. Causes of Presenting Signs boxes provide easy access to complete lists of common, less common, and uncommon diseases associated with manifestations or signs of disease. Complete lists of diseases associated with a given lab abnormality in Causes of Abnormal Laboratory Values boxes help you easily interpret abnormalities in clinical chemistry, hematology, blood proteins, and clotting tests. An expert team of over 180 authors contributing information in their areas of expertise ensures you are using the most accurate and up-to-date information available. Color plates accompanying Diseases of the Eye and Diseases of the Alimentary Tract enable you to visually recognize the clinical appearance of ophthalmologic conditions and alimentary tract disorders for quick and easy diagnosis and treatment. Six all-new chapters provide in-depth coverage of diagnostic testing, critical care and fluid therapy, biosecurity and infection control, and genetic disorders. Provides focused, concise review of PMP updated 2015 Exam objectives and compliments the PMP Project Management Professional Exam Study Guide, 8th Edition and the PMP Project Management Professional Exam Deluxe Study Guide, 2nd Edition. Includes interactive online learning environment and study tools with: + 2 practice tests + Over 175 electronic flashcards + Searchable key term glossary Interactive learning environment Take your exam prep to the next level with Sybex's superior interactive online study tools. To access our learning environment, simply visit <http://sybextestbanks.wiley.com>, type in your unique PIN, and instantly gain access to: Interactive test bank with 2 practice exams More than 175 Electronic Flashcards to reinforce learning and last-minute prep before the exam Comprehensive glossary in PDF format gives you instant access to the key terms so you are fully prepared Focused, expert review for the PMP updated 2015

exam PMP: Project Management Professional Exam Review Guide, 3rd Edition, delivers targeted review of key concepts for the PMP updated 2015 exam. Organized by objective to help you find what you need and skip what you know, this new third edition has been fully updated to reflect the latest changes to the exam. This invaluable study aid aligns with A Guide to the Project Management Body of Knowledge, 5th Edition (PMBOK® Guide), administered by the Project Management Institute, and works hand-in-hand with the Sybex PMP: Project Management Professional Exam Study Guide, 8th Edition, and the PMP Project Management Professional Exam Deluxe Study Guide, 2nd Edition so you can be confident on exam day. Coverage of 100% of all exam objectives in this Study Guide means you'll be ready for Initiating the Project Planning the Project Executing the Project Monitoring and Controlling the Project Closing the Project Can refocusing conversations between doctors and their patients lead to better health? Despite modern medicine's infatuation with high-tech gadgetry, the single most powerful diagnostic tool is the doctor-patient conversation, which can uncover the lion's share of illnesses. However, what patients say and what doctors hear are often two vastly different things. Patients, anxious to convey their symptoms, feel an urgency to "make their case" to their doctors. Doctors, under pressure to be efficient, multitask while patients speak and often miss the key elements. Add in stereotypes, unconscious bias, conflicting agendas, and fear of lawsuits and the risk of misdiagnosis and medical errors multiplies dangerously. Though the gulf between what patients say and what doctors hear is often wide, Dr. Danielle Ofri proves that it doesn't have to be. Through the powerfully resonant human stories that Dr. Ofri's writing is renowned for, she explores the high-stakes world of doctor-patient communication that we all must navigate. Reporting on the latest research studies and interviewing scholars, doctors, and patients, Dr. Ofri reveals how better communication can lead to better health for all of us.

Federal Energy Regulatory Commission Reports

Handbook of Healthcare System Scheduling

Resources in Education

Guidance and Elementary School Climate

Model Rules of Professional Conduct

What Patients Say, What Doctors Hear

The CQ Press Guide to U.S. Elections is a comprehensive, two-volume reference providing information on the U.S. electoral process, in-depth analysis on specific political eras and issues, and everything in between. Thoroughly revised and infused with new data, analysis, and discussion of issues relating to elections through 2014, the Guide will include chapters on: Analysis of the campaigns for presidency, from the primaries through the general election Data on the candidates, winners/losers, and election returns Details on congressional and gubernatorial contests supplemented with vast historical data. Key Features include: Tables, boxes and figures interspersed throughout each chapter Data on campaigns, election methods and results Complete lists of House and Senate leaders Links to election-related websites A guide to party abbreviations

4LTR Press solutions give students the option to choose the format that best suits their learning preferences. This option is perfect for those students who focus on the textbook as their main course resource. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

This open access book comprehensively covers the fundamentals of clinical data science, focusing on data collection, modelling and clinical applications. Topics covered in the first section on data collection include: data sources, data at scale (big data), data stewardship (FAIR data) and related privacy concerns. Aspects of predictive modelling using techniques such as classification, regression or clustering, and prediction model validation will be covered in the second section. The third section covers aspects of (mobile) clinical decision support systems, operational excellence and value-based healthcare. Fundamentals of Clinical Data Science is an essential resource for healthcare professionals and IT consultants intending to develop and refine their skills in personalized medicine, using solutions based on large datasets from electronic health records or telemonitoring programmes. The book's promise is "no math, no code" and will explain the topics in a style that is optimized for a healthcare audience.

Directory of Federal Court Guidelines

AN EMPIRICALLY DRIVEN MATHEMATICAL PROGRAMMING APPROACH.

Trends in Information Technology, Communications Engineering, and Management

PMP Project Management Professional Exam Review Guide

Implementation of Federal Highway Administration Construction Engineering Management System

Position-classification Standards for General Schedule (GS) Positions

The objectives of this study are to describe experiences in price setting and how pricing has been used to attain better coverage, quality, financial protection, and health outcomes. It builds on newly commissioned case studies and lessons learned in calculating prices, negotiating with providers, and monitoring changes. Recognising that no single model is applicable to all settings, the study aimed to generate best practices and identify areas for future research, particularly in low- and middle-income settings. The report and the case studies were jointly developed by the OECD and the WHO Centre for Health Development in Kobe (Japan).

This User's Guide is intended to support the design, implementation, analysis, interpretation, and quality evaluation of registries created to increase understanding of patient outcomes. For the purposes of this guide, a patient registry is an organized system that uses observational study methods to collect uniform data (clinical and other) to evaluate specified outcomes for a population defined by a particular disease, condition, or exposure, and that serves one or more predetermined scientific, clinical, or policy purposes. A registry database is a file (or files) derived from the registry. Although registries can serve many purposes, this guide focuses on registries created for one or more of the following purposes: to describe the natural history of disease, to determine clinical effectiveness or cost-effectiveness of health care products and services, to measure or monitor safety and harm, and/or to measure quality of care. Registries are classified according to how their populations are defined. For example, product registries include patients who have been exposed to biopharmaceutical products or medical devices. Health services registries consist of patients who have had a common procedure, clinical encounter, or hospitalization. Disease or condition registries are defined by patients having the same diagnosis, such as cystic fibrosis or heart failure. The User's Guide was created by researchers affiliated with AHRQ's Effective Health Care Program, particularly those who participated in AHRQ's DEcIDE (Developing Evidence to Inform Decisions About Effectiveness) program. Chapters were subject to multiple internal and external independent reviews.

Primary care practices play a vital role in healthcare delivery since they are the first point of contact for most patients, and provide health prevention, counseling, education, diagnosis and treatment. Practices, however, face a complex appointment scheduling problem because of the variety of patient conditions, the mix of appointment types, the uncertain service times with providers and non-provider staff (nurses/medical assistants), and no-show rates which all compound into a highly variable and unpredictable flow of patients. The end result is an imbalance between provider idle time and patient waiting time. To understand the realities of the scheduling problem we analyze empirical data collected from a family medicine practice in Massachusetts. We study the complete chronology of patient flow on nine different workdays and identify the main patient types and sources of inefficiency. Our findings include an easy-to-identify patient classification, and the need to focus on the effective coordination between nurse and provider steps. We incorporate these findings in an empirically driven stochastic integer programming model that optimizes appointment times and patient sequences given three well-differentiated appointment types. The model considers a session of consecutive appointments for a single-provider primary care practice where one nurse and one provider see the patients. We then extend the integer programming model to account for multiple resources, two nurses and two providers, since we have observed that such team primary care practices are common in the course of our data collection study. In these practices, nurses prepare patients for the providers' appointments as a team, while providers are dedicated to their own patients to ensure continuity of care. Our analysis focuses on finding the value of nurse flexibility and understanding the interaction between the schedules of the two providers. The team practice leads us to a challenging and novel multi step multi-resource mixed integer stochastic scheduling formulation, as well as methods to tackle the ensuing computational challenge. We also develop an Excel scheduling tool for both single provider and team practices to explore the performance of different schedules in real time. Overall, the main objective of the dissertation is to provide easy-to-implement scheduling guidelines for primary care practices using both an empirically driven stochastic optimization model and a simulation tool.

Shop Floor Control Systems

Elementary School Scheduling

Fundamentals of Clinical Data Science

2021 Exam Update

Selected Water Resources Abstracts

In addition to reprinting the PDF of the CMS CoPs and Interpretive Guidelines, we include key Survey and Certification memos that CMS has issued to announced changes to the emergency preparedness final rule, fire and smoke door annual testing requirements, survey team composition and investigation of complaints, infection control screenings, and legionella risk reduction.