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HPI Essentials A Just-the-facts, Bottom-line Primer on Human Performance Improvement [American Society for Training and Development](#) Here's a basic primer for business solutions using a performance approach that gives you practical insights from expert practitioners. Learn how the Human Performance Improvement (HPI) process works in the real world and how to conduct performance, gap, and cause analysis. Explore key types of interventions including structure/process and knowledge. **Globalization and the American Worker Negotiating a New Social Contract** [CSIS](#) Globalization and the American worker is a path-breaking work on economic policy in a global age. It debunks the myths that clutter the political debate over globalization, focusing instead on the hard challenges America faces in building a stronger economic future. The book highlights the need to embrace the challenge of competing in the global economy, while making the investments in America's workers that they need to compete in world markets. It underscores the importance of adaptability in a time of accelerating economic change and explains how economic policy can encourage or hinder the ability of workers and firms to adjust to the changes that globalization has wrought. The book provides concrete recommendations for trade and tax policy, education, health care, labor, technology and range of other areas that would help build a new social contract between America and its greatest asset, its workers. **Strengthening Forensic Science in the United States A Path Forward** [National Academies Press](#) Scores of talented and dedicated people serve the forensic science community, performing vitally important work. However, they are often constrained by lack of adequate resources, sound policies, and national support. It is clear that change and advancements, both systematic and scientific, are needed in a number of forensic science disciplines to ensure the reliability of work, establish enforceable standards, and promote best practices with consistent application. **Strengthening Forensic Science in the United States: A Path Forward** provides a detailed plan for addressing these needs and suggests the creation of a new government entity, the National Institute of Forensic Science, to establish and enforce standards within the forensic science community. The benefits of improving and regulating the forensic science disciplines are clear: assisting law enforcement officials, enhancing homeland security, and reducing the risk of wrongful conviction and exoneration. **Strengthening Forensic Science in the United States** gives a full account of what is needed to advance the forensic science disciplines, including upgrading of systems and organizational structures, better training, widespread adoption of uniform and enforceable best practices, and mandatory certification and accreditation programs. While this book provides an essential call-to-action for congress and policy makers, it also serves as a vital tool for law enforcement agencies, criminal prosecutors and attorneys, and forensic science educators. **Social Impact Investment 2019 The Impact Imperative for Sustainable Development** This publication is a sequel to the OECD 2015 report on Social Impact Investment (SII), **Building the Evidence Base**, bringing new evidence on the role of SII in financing sustainable development. It depicts the state of play of SII approaches globally, comparing regional trends, and assesses its prospects, with a special focus on data issues and recent policy developments. Importantly, it provides new guidance for policy makers in OECD and non-OECD countries, as well as providers of development co-operation, development financiers, social impact investment practitioners and the private sector more broadly, to help them maximise the contribution of social impact investing to the 2030 Agenda. In particular, it provides four sets of recommendations on financing, innovation, data and policy for delivering on the "impact imperative" of financing sustainable development. **Strengthening U.S. Air Force Human Capital Management A Flight Plan for 2020-2030** [National Academies Press](#) The USAir Force human capital management (HCM) system is not easily defined or mapped. It affects virtually every part of the Air Force because workforce policies, procedures, and processes impact all offices and organizations that include Airmen and responsibilities and relationships change regularly. To ensure the readiness of Airmen to fulfill the mission of the Air Force, strategic approaches are developed and issued through guidance and actions

of the Office of the Deputy Chief of Staff for Manpower, Personnel and Services and the Office of the Assistant Secretary of the Air Force for Manpower and Reserve Affairs. **Strengthening US Air Force Human Capital Management** assesses and strengthens the various U.S. Air Force initiatives and programs working to improve person-job match and human capital management in coordinated support of optimal mission capability. This report considers the opportunities and challenges associated with related interests and needs across the USAF HCM system as a whole, and makes recommendations to inform improvements to USAF personnel selection and classification and other critical system components across career trajectories. **Strengthening US Air Force Human Capital Management** offers the Air Force a strategic approach, across a connected HCM system, to develop 21st century human capital capabilities essential for the success of 21st century Airmen. **Transformational Tool Kit for Front Line Nurses, An Issue of Nursing Clinics of North America, Elsevier Health Sciences** Nurses are faced with unprecedented challenges and opportunities. Healthcare delivery models are transforming that require adaptive and flexible nurses. The primary role of the frontline nurse is providing patient care. To be successful in this role it requires numerous competencies supported by evidence-based data. Frontline bedside nurses are fundamental to the success of value-based care delivery models. These transformational models rely on robust nursing contributions for success. Most frontline nurses don't understand value-based care models and their role in promoting positive outcomes for reimbursement. This issue is a tool kit to empower our frontline nurses for challenges they are facing with transformations occurring at their bedside practice site. The articles will be a best practice handbook for frontline nurses by providing resources to develop clinical skills to provide safe, quality, and accountable patient care needed for new healthcare delivery models. **Critical Heart Disease in Infants and Children E-Book Elsevier Health Sciences** Features comprehensive updates throughout the text, including indications, techniques, potential complications in perioperative management of patients, and surgical techniques for congenital heart disease. Covers recent advances in the treatment of pulmonary hypertension, developments in mechanical assist devices, heart and lung transplantation, and interventional cardiac catheterization. Features an all-new, full-color format that speeds navigation and helps clarify complex concepts. Contains 27 new chapters with an emphasis on the team approach to patient care in the ICU including creating multidisciplinary teams, quality and performance improvement, training, and challenges and solutions to developing a cohesive team environment. Includes a detailed chapter on bedside ultrasound, walking you through the techniques you're most likely to encounter in the ICU. Employs well-documented tables, text boxes, and algorithms to make clinical information easy to access, and to provide a more complete understanding of echocardiography, imaging modalities, pulmonary hypertension, and more. Describes the basic pharmacology and clinical applications of new pharmacologic agents. Examines issues affecting adults with congenital heart disease. **High Performance Browser Networking** What every web developer should know about networking and web performance "O'Reilly Media, Inc." How prepared are you to build fast and efficient web applications? This eloquent book provides what every web developer should know about the network, from fundamental limitations that affect performance to major innovations for building even more powerful browser applications—including HTTP 2.0 and XHR improvements, Server-Sent Events (SSE), WebSocket, and WebRTC. Author Ilya Grigorik, a web performance engineer at Google, demonstrates performance optimization best practices for TCP, UDP, and TLS protocols, and explains unique wireless and mobile network optimization requirements. You'll then dive into performance characteristics of technologies such as HTTP 2.0, client-side network scripting with XHR, real-time streaming with SSE and WebSocket, and P2P communication with WebRTC. **Deliver superlative TCP, UDP, and TLS performance Speed up network performance over 3G/4G mobile networks Develop fast and energy-efficient mobile applications Address bottlenecks in HTTP 1.x and other browser protocols Plan for and deliver the best HTTP 2.0 performance Enable efficient real-time streaming in the browser Create efficient peer-to-peer videoconferencing and low-latency applications with real-time WebRTC transports** **Archery Anatomy An Introduction to Techniques for Improved Performance Souvenir Press** Archery Anatomy looks at archery techniques from the point of view of the interrelationship between the anatomy of the human body and the anatomy of the bow. Written by an archery expert, it highlights the primary power sources involved in the performance of the sport and enables coaches and archers alike to understand and perfect their skills in ways that use the natural movements of archer and bow in coordination. The book is not tied to any specific national or international rules; it can be used by archers throughout the world to gain an understanding of the bio-mechanics of the sport. Originating from the author's awareness that the basic problems of most archers stemmed from their ignorance of these aspects, it should make an invaluable contribution to the overall improvement of performance standards. Archery Anatomy combines clear, accurate drawings and diagrams with explanatory text to provide an essential primer on the subject. **Patient Safety and Quality An Evidence-based Handbook for Nurses** "Nurses play a vital role in improving the safety and quality of patient care -- not only in the hospital or ambulatory treatment facility, but also of community-based care and the care performed by family members. Nurses need know what proven techniques and interventions they can use to enhance patient outcomes. To address this need, the Agency for Healthcare Research and Quality (AHRQ), with additional funding from the Robert Wood Johnson Foundation, has prepared this comprehensive, 1,400-page, handbook for nurses on patient safety and quality -- Patient Safety and Quality: An Evidence-Based Handbook for Nurses. (AHRQ Publication No. 08-0043)."--Online AHRQ blurb, <http://www.ahrq.gov/qual/nursesfdbk>. **The Improvement Guide A Practical Approach to Enhancing Organizational Performance John Wiley & Sons** This new edition of this bestselling guide offers an integrated approach to process improvement that delivers quick and substantial results in quality and productivity in diverse settings. The authors explore their Model for Improvement that worked with international improvement efforts at multinational companies as well as in different industries such as healthcare and public agencies. This edition includes new information that shows how to accelerate improvement by spreading changes across multiple sites. The book

presents a practical tool kit of ideas, examples, and applications. **Gene Quantification** [Springer Science & Business Media](#) Geneticists and molecular biologists have been interested in quantifying genes and their products for many years and for various reasons (Bishop, 1974). Early molecular methods were based on molecular hybridization, and were devised shortly after Marmur and Doty (1961) first showed that denaturation of the double helix could be reversed - that the process of molecular reassociation was exquisitely sequence dependent. Gillespie and Spiegelman (1965) developed a way of using the method to titrate the number of copies of a probe within a target sequence in which the target sequence was fixed to a membrane support prior to hybridization with the probe - typically a RNA. Thus, this was a precursor to many of the methods still in use, and indeed under development, today. Early examples of the application of these methods included the measurement of the copy numbers in gene families such as the ribosomal genes and the immunoglobulin family. Amplification of genes in tumors and in response to drug treatment was discovered by this method. In the same period, methods were invented for estimating gene numbers based on the kinetics of the reassociation process - the so-called Cot analysis. This method, which exploits the dependence of the rate of reassociation on the concentration of the two strands, revealed the presence of repeated sequences in the DNA of higher eukaryotes (Britten and Kohne, 1968). An adaptation to RNA, Rot analysis (Melli and Bishop, 1969), was used to measure the abundance of RNAs in a mixed population. **International Convergence of Capital Measurement and Capital Standards A Revised Framework** [Lulu.com](#) **Carbon Dioxide Capture and Storage Special Report of the Intergovernmental Panel on Climate Change** [Cambridge University Press](#) **IPCC Report on sources, capture, transport, and storage of CO₂, for researchers, policy-makers and engineers.** **Program Evaluation and Performance Measurement An Introduction to Practice** [SAGE Publications](#) **Program Evaluation and Performance Measurement: An Introduction to Practice, Second Edition** offers an accessible, practical introduction to program evaluation and performance measurement for public and non-profit organizations, and has been extensively updated since the first edition. Using examples, it covers topics in a detailed fashion, making it a useful guide for students as well as practitioners who are participating in program evaluations or constructing and implementing performance measurement systems. Authors James C. McDavid, Irene Huse, and Laura R. L. Hawthorn guide readers through conducting quantitative and qualitative program evaluations, needs assessments, cost-benefit and cost-effectiveness analyses, as well as constructing, implementing and using performance measurement systems. The importance of professional judgment is highlighted throughout the book as an intrinsic feature of evaluation practice. **The Performance Economy** [Springer](#) This updated and revised edition outlines strategies and models for how to use technology and knowledge to improve performance, create jobs and increase income. It shows what skills will be required to produce, sell and manage performance over time, and how manual jobs can contribute to reduce the consumption of non-renewable resources. **The Fourth Industrial Revolution** [Penguin UK](#) The founder and executive chairman of the World Economic Forum on how the impending technological revolution will change our lives We are on the brink of the Fourth Industrial Revolution. And this one will be unlike any other in human history. Characterized by new technologies fusing the physical, digital and biological worlds, the Fourth Industrial Revolution will impact all disciplines, economies and industries - and it will do so at an unprecedented rate. World Economic Forum data predicts that by 2025 we will see: commercial use of nanomaterials 200 times stronger than steel and a million times thinner than human hair; the first transplant of a 3D-printed liver; 10% of all cars on US roads being driverless; and much more besides. In **The Fourth Industrial Revolution**, Schwab outlines the key technologies driving this revolution, discusses the major impacts on governments, businesses, civil society and individuals, and offers bold ideas for what can be done to shape a better future for all. **Bridging Occupational, Organizational and Public Health A Transdisciplinary Approach** [Springer Science & Business Media](#) In our complex, fast changing society, health is strongly influenced by the continuously changing interactions between organisations and their employees. Three major fields contribute to health-oriented improvements of these interactions: occupational health, organizational health and public health. As currently only partial links exist amongst these fields, the book aims to explore potential synergies more systematically. Considering the high mental and social demands in a service and knowledge sector economy, the first part of the book focuses on work-related psychosocial factors. As a large proportion of inequalities in health in developed countries can be explained by inequalities in working conditions, those psychosocial factors with a particularly high public health impact are highlighted. As addressing these psychosocial factors requires to involve the organization as the key change agent, the second part covers approaches to improve public health through organizational level health interventions. The last section takes a look into the future of occupational, organizational and public health: what are the future challenges regarding occupational health and how can they be tackled within and beyond the organizational level. Overall, this integrating book will help to broaden the evidence-base, legitimacy and efficacy of occupational- and organizational-level health interventions and thus increase their public health impact. **National Kidney Foundation Primer on Kidney Diseases** [Elsevier Health Sciences](#) **Preceded by (work): Primer on kidney diseases. 5th ed. c2009. Comprehensive Healthcare Simulation: Surgery and Surgical Subspecialties** [Springer](#) This pragmatic book is a guide for the use of simulation in surgery and surgical subspecialties, including general surgery, urology, gynecology, cardiothoracic and vascular surgery, orthopedics, ophthalmology, and otolaryngology. It offers evidence-based recommendations for the application of simulation in surgery and addresses procedural skills training, clinical decision-making and team training, and discusses the future of surgical simulation. Readers are introduced to the different simulation modalities and technologies used in surgery with a variety of learners including students, residents, practicing surgeons, and other health-related professionals. **Evaluation of Quality in Health Care for DNPs, Third Edition** [Springer Publishing Company](#) Now in its third edition, this award-winning text work is the only advanced practice nursing text to present effective, systematic, and in-depth evaluations of all aspects of health care quality. Comprehensive in scope, it distills best practice information

from numerous sources to facilitate utmost competency for APN and DNP graduates. The third edition keeps pace with the rapidly evolving healthcare market by presenting a more comprehensive range of evaluation strategies for analyzing quality, safety, and value in healthcare practice and programs. It provides a completely new chapter on evaluation of simulation programs to improve clinician competency and patient care technology. An increased focus on the application of quality improvement is woven throughout, including the quality improvement-research continuum and an emphasis on interdisciplinary collaboration and teamwork. New case studies, specific examples from a variety of QI projects, and content specifically geared to improve teamwork also add to the book's outstanding value. The text also delves into the theoretical basis of evaluation and its application as an integral part of contemporary practice. It includes evaluation models that enable nurses to address economic and financial viability, and guides readers through the translation of outcomes from evaluation into health care policy. Additionally, the text now includes PowerPoints for instructors. New to the Third Edition: New chapter: Evaluation of Simulation to Support Ongoing Competency in the HC Workforce Additional case studies and specific examples from QI projects Increased focus on teamwork and collaboration Enhanced discussion of theoretical foundations of evaluation approaches New focus on program evaluation and dissemination of findings Key Features: Addresses AACN competencies and scope of practice Helps students integrate best and evidence-based practices into care Provides guidance on practical methods and tools for Quality Improvement Project Presents evaluation models enabling nurses to address economic and financial viability Includes evaluations of organizations, systems, standards for practice, health care redesign, and the challenges of electronic medical records **Leading Change** [Harvard Business Press](#) Offers advice on how to lead an organization into change, including establishing a sense of urgency, developing a vision and strategy, and generating short-term wins. **Thinking in Systems A Primer** [Chelsea Green Publishing](#) In the years following her role as the lead author of the international bestseller, *Limits to Growth*—the first book to show the consequences of unchecked growth on a finite planet—Donella Meadows remained a pioneer of environmental and social analysis until her untimely death in 2001. *Thinking in Systems*, is a concise and crucial book offering insight for problem solving on scales ranging from the personal to the global. Edited by the Sustainability Institute's Diana Wright, this essential primer brings systems thinking out of the realm of computers and equations and into the tangible world, showing readers how to develop the systems-thinking skills that thought leaders across the globe consider critical for 21st-century life. Some of the biggest problems facing the world—war, hunger, poverty, and environmental degradation—are essentially system failures. They cannot be solved by fixing one piece in isolation from the others, because even seemingly minor details have enormous power to undermine the best efforts of too-narrow thinking. While readers will learn the conceptual tools and methods of systems thinking, the heart of the book is grander than methodology. Donella Meadows was known as much for nurturing positive outcomes as she was for delving into the science behind global dilemmas. She reminds readers to pay attention to what is important, not just what is quantifiable, to stay humble, and to stay a learner. In a world growing ever more complicated, crowded, and interdependent, *Thinking in Systems* helps readers avoid confusion and helplessness, the first step toward finding proactive and effective solutions. **Perioperative Safety E-Book** [Elsevier Health Sciences](#) The only book devoted to this increasingly important issue, *Perioperative Safety* helps you reduce risk in a setting where even small errors can lead to life-threatening complications. Expert author Donna Watson addresses essential safety principles and concepts, covering patient safety with topics such as the latest safety strategies and initiatives, perioperative safe medication use, preventing infections, anesthesia safety, normothermia management, and electrosurgery. Coverage of staff and workplace safety helps you minimize risk with bloodborne pathogens, latex allergy, the use of lasers, and radiation exposure. Case studies show the application of safety concepts in real-world situations. Unique! The only book devoted to the increasingly important issue of perioperative safety, where small errors can lead to life-threatening complications. Unique! Highly qualified writers are some of the leading experts in the perioperative field, so material is up to date and emphasizes the most important information. Unique! Clinical Points boxes call attention to key points in promoting safety for both patients and staff in the perioperative setting. Unique! Case studies describe real-life scenarios related to promoting patient safety. Figures and tables are used to support important content. **Structured Analytic Techniques for Intelligence Analysis** [CQ Press](#) In this Second Edition of *Structured Analytic Techniques for Intelligence Analysis*, authors Richards J. Heuer Jr. and Randolph H. Pherson showcase fifty-five structured analytic techniques—five new to this edition—that represent the most current best practices in intelligence, law enforcement, homeland security, and business analysis. **The OEE Primer Understanding Overall Equipment Effectiveness, Reliability, and Maintainability** [CRC Press](#) A valuable tool for establishing and maintaining system reliability, overall equipment effectiveness (OEE) has proven to be very effective in reducing unscheduled downtime for companies around the world. So much so that OEE is quickly becoming a requirement for improving quality and substantiating capacity in leading organizations, as well as a req **Guide for the Care and Use of Laboratory Animals Eighth Edition** [National Academies Press](#) A respected resource for decades, the *Guide for the Care and Use of Laboratory Animals* has been updated by a committee of experts, taking into consideration input from the scientific and laboratory animal communities and the public at large. The *Guide* incorporates new scientific information on common laboratory animals, including aquatic species, and includes extensive references. It is organized around major components of animal use: Key concepts of animal care and use. The *Guide* sets the framework for the humane care and use of laboratory animals. Animal care and use program. The *Guide* discusses the concept of a broad Program of Animal Care and Use, including roles and responsibilities of the Institutional Official, Attending Veterinarian and the Institutional Animal Care and Use Committee. Animal environment, husbandry, and management. A chapter on this topic is now divided into sections on terrestrial and aquatic animals and provides recommendations for housing and environment, husbandry, behavioral and population management, and more. Veterinary care. The

Guide discusses veterinary care and the responsibilities of the Attending Veterinarian. It includes recommendations on animal procurement and transportation, preventive medicine (including animal biosecurity), and clinical care and management. The Guide addresses distress and pain recognition and relief, and issues surrounding euthanasia. Physical plant. The Guide identifies design issues, providing construction guidelines for functional areas; considerations such as drainage, vibration and noise control, and environmental monitoring; and specialized facilities for animal housing and research needs. The Guide for the Care and Use of Laboratory Animals provides a framework for the judgments required in the management of animal facilities. This updated and expanded resource of proven value will be important to scientists and researchers, veterinarians, animal care personnel, facilities managers, institutional administrators, policy makers involved in research issues, and animal welfare advocates. **Comprehensive Pediatric Hospital Medicine, Second Edition** [McGraw Hill Professional](#) The gold-standard text in pediatric hospital medicine - updated and streamlined for today's practice Hailed by reviewers and clinicians alike, **Comprehensive Pediatric Hospital Medicine** has become the specialty's cornerstone text. Edited by five leading figures in pediatric hospital medicine, this acclaimed resource brings you the most up-to-date, evidence-based approaches to inpatient pediatric care from experts in their fields. **Comprehensive Pediatric Hospital Medicine, Second Edition** opens with an informative introductory section that defines hospital medicine and addresses general issues of hospitalist practice and administration. This includes important topics such as medical legal issues, communications, electronic health records, palliative care, ethical issues, careers, professional organizations, and more. The book then moves into commonly presenting signs and symptoms. This is followed by the largest section, a breakdown of diseases by system. The text concludes with a procedures section that provides hard-to-find instruction on the procedures most commonly performed on children in a hospital setting. The Disease chapters are templated to include Background, Pathophysiology, Differential Diagnosis, Diagnostic Evaluation, Management, Special Considerations, Key Points, References, algorithms, and more. The Procedures chapters include Indications, Contraindications, Anatomy, Equipment, Procedure, Preparation, Technique, Complications, and Special Considerations. If you're in need of an up-to-date, comprehensive, and authoritative text that spans the emerging field of pediatric hospital medicine, your search ends here. **Supervision in the Hospitality Industry** [John Wiley & Sons](#) **Supervision in the Hospitality Industry, Ninth Edition**, is a comprehensive primer designed for beginning leaders, new supervisors promoted from an hourly job, and students planning for careers in the hospitality industry. Covering each essential aspect of first-line supervision, this market-leading textbook helps readers develop the practical skills and knowledge necessary for effectively supervising hospitality workers at all levels of an organization, including cooks, servers, bartenders, front desk clerks, porters, housekeepers, and janitorial staff. Topics include planning and organizing, communication, recruitment and team building, employee training, performance effectiveness, conflict management, and more. The text's unique approach to leading human resources — combining fundamental leadership theory and the firsthand expertise of hospital industry professionals — enables readers to master concrete, results-driven leadership methods and overcome the everyday challenges faced in the real world. Principles of good leadership and supervision are presented in clear, easy-to-understand language and are reinforced by numerous examples, case studies, discussion questions, and activities. The ninth edition of **Supervision in the Hospitality Industry** remains the ideal text for students and practitioners alike, delivering a basic yet comprehensive knowledge of the different elements of the supervisor's job while helping develop the leadership qualities needed to succeed as a hospitality professional. **Forensic Gait Analysis Principles and Practice** [CRC Press](#) Gait analysis is the systematic study of human walking, using the eye and brain of experienced observers, augmented by instrumentation for measuring body movements, body mechanics, and the activity of the muscles. Since Aristotle's work on gait analysis more than 2000 years ago, it has become an established clinical science used extensively in the healthcare and rehabilitation fields for diagnosis and treatment. **Forensic Gait Analysis** details the more recent, and rapidly developing, uses of gait analysis in the forensic sciences. This includes using observational gait analysis, especially based on video recordings, to assist in the process of identifying individuals. With the increase in use of CCTV and surveillance systems over the last 20 to 30 years, there has been a steady and rapid increase in the use of gait as evidence. Currently, gait analysis is widely used in the UK in criminal investigations, with increasing awareness of its potential use in the US, Europe, and globally. The book details the history of the science, current practices, and emergent application to establish best-practice standards that conform to those of other forensic science disciplines. Engagement with the Forensic Science Regulator, the Chartered Society of Forensic Sciences in the UK, and the International Association for Identification has helped to ensure and enhance the quality assurance of forensic gait analysis. However, there remains a fundamental lack of standardized training and methodology for use in an evidentiary and investigative capacity. This book fills that void, serving as one of the first books to reflect the state of current practice and capabilities—outlining a standard of practice and expectations as to what gait analysis, and by association gait analysis experts, and corroborate. **Forensic Gait Analysis** will reflect the research and current forensic practices and serve as a state-of-the-art, definitive guide to the use of gait analysis in the forensic context—for both education and training purposes. It will be a welcome addition to the library of professionals in the areas of podiatry, gait analysis, forensic video analysis, law enforcement, and legal practitioners. **Primal Leadership Unleashing the Power of Emotional Intelligence** [Harvard Business Press](#) **Annotation. Human Rights Translated A Business Reference Guide** [United Nations Publications](#) "The purpose of this publication is to contribute to [the] process of clarification by explaining universally recognised human rights in a way that makes sense to business. The publication also aims to illustrate, through the use of case studies and actions, how human rights are relevant in a corporate context and how human rights issues can be managed."--Introduction, p. vii. **Occupational Therapy for People with Parkinson's Disease Best Practice Guidelines** These practice guidelines draw upon the widest relevant

knowledge and evidence available to describe and inform contemporary best practice occupational therapy for people with Parkinson's disease. They include practical examples of interventions to allow occupational therapists to apply new treatments to their practice. **The Robotics Primer** [MIT Press](#) A broadly accessible introduction to robotics that spans the most basic concepts and the most novel applications; for students, teachers, and hobbyists. **The Robotics Primer** offers a broadly accessible introduction to robotics for students at pre-university and university levels, robot hobbyists, and anyone interested in this burgeoning field. The text takes the reader from the most basic concepts (including perception and movement) to the most novel and sophisticated applications and topics (humanoids, shape-shifting robots, space robotics), with an emphasis on what it takes to create autonomous intelligent robot behavior. The core concepts of robotics are carried through from fundamental definitions to more complex explanations, all presented in an engaging, conversational style that will appeal to readers of different backgrounds. **The Robotics Primer** covers such topics as the definition of robotics, the history of robotics ("Where do Robots Come From?"), robot components, locomotion, manipulation, sensors, control, control architectures, representation, behavior ("Making Your Robot Behave"), navigation, group robotics, learning, and the future of robotics (and its ethical implications). To encourage further engagement, experimentation, and course and lesson design, **The Robotics Primer** is accompanied by a free robot programming exercise workbook that implements many of the ideas on the book on iRobot platforms. **The Robotics Primer** is unique as a principled, pedagogical treatment of the topic that is accessible to a broad audience; the only prerequisites are curiosity and attention. It can be used effectively in an educational setting or more informally for self-instruction. **The Robotics Primer** is a springboard for readers of all backgrounds—including students taking robotics as an elective outside the major, graduate students preparing to specialize in robotics, and K-12 teachers who bring robotics into their classrooms. **Nudge Improving Decisions about Health, Wealth, and Happiness** [Yale University Press](#) Thaler and Sunstein offer a groundbreaking discussion of how to apply the science of choice to nudge people toward decisions that can improve their lives without restricting their freedom of choice. **New Developments in Quantitative Psychology Presentations from the 77th Annual Psychometric Society Meeting** [Springer Science & Business Media](#) **The 77th Annual International Meeting of the Psychometric Society (IMPS)** brought together quantitative researchers who focus on methods relevant to psychology. The conference included workshops, invited talks by well-known scholars, and presentations of submitted papers and posters. It was hosted by the University of Nebraska-Lincoln and took place between the 9th and 12th of July, 2012. The chapters of this volume are based on presentations from the meeting and reflect the latest work in the field. Topics with a primarily measurement focus include studies of item response theory, computerized adaptive testing, cognitive diagnostic modeling, and psychological scaling. Additional psychometric topics relate to structural equation modeling, factor analysis, causal modeling, mediation, missing data methods, and longitudinal data analysis, among others. The papers in this volume will be especially useful for researchers (graduate students and other quantitative researchers) in the social sciences who use quantitative methods, particularly psychologists. Most readers will benefit from some prior knowledge of statistical methods in reading the chapters. **The Psychic Life of Power Theories in Subjection** [Stanford University Press](#) Judith Butler's new book considers the way in which psychic life is generated by the social operation of power, and how that social operation of power is concealed and fortified by the psyche that it produces. It combines social theory, philosophy, and psychoanalysis in novel ways, and offers a more sustained analysis of the theory of subject formation implicit in her previous books. **Oil and Gas Production Handbook: An Introduction to Oil and Gas Production** [Lulu.com](#) **Health Professions Education A Bridge to Quality** [National Academies Press](#) The Institute of Medicine study **Crossing the Quality Chasm** (2001) recommended that an interdisciplinary summit be held to further reform of health professions education in order to enhance quality and patient safety. **Health Professions Education: A Bridge to Quality** is the follow up to that summit, held in June 2002, where 150 participants across disciplines and occupations developed ideas about how to integrate a core set of competencies into health professions education. These core competencies include patient-centered care, interdisciplinary teams, evidence-based practice, quality improvement, and informatics. This book recommends a mix of approaches to health education improvement, including those related to oversight processes, the training environment, research, public reporting, and leadership. Educators, administrators, and health professionals can use this book to help achieve an approach to education that better prepares clinicians to meet both the needs of patients and the requirements of a changing health care system. **Artificial Intelligence in Asset Management** [CFA Institute Research Foundation](#) Artificial intelligence (AI) has grown in presence in asset management and has revolutionized the sector in many ways. It has improved portfolio management, trading, and risk management practices by increasing efficiency, accuracy, and compliance. In particular, AI techniques help construct portfolios based on more accurate risk and return forecasts and more complex constraints. Trading algorithms use AI to devise novel trading signals and execute trades with lower transaction costs. AI also improves risk modeling and forecasting by generating insights from new data sources. Finally, robo-advisors owe a large part of their success to AI techniques. Yet the use of AI can also create new risks and challenges, such as those resulting from model opacity, complexity, and reliance on data integrity.