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Corpus Linguistics for Online Communication provides an instructive and practical guide to conducting research using methods in corpus linguistics in studies of various forms of online communication. Offering practical exercises and drawing on original data taken from online interactions, this book: introduces the basics of corpus linguistics, including what is involved in designing and building a corpus; reviews cutting-edge studies of online communication using corpus linguistics, foregrounding different analytical components to facilitate studies in professional discourse, online learning, public understanding of health issues and dating apps; showcases both freely-available corpora and the innovative tools that students and researchers can access to carry out their own research. Corpus Linguistics for Online Communication supports researchers and students in generating high quality, applied research and is essential reading for those studying and researching in this area. The outbreak of the pandemic around the world came with national measures to deal with the health emergency that caused and will continue to cause important disruption in education for students, teachers, and policymakers. Digital technologies can provide innovative solutions that can prevent the negative effects of lockdowns of countries and regions on education. It is important to analyze digital solutions and experiences for distance learning and to better understand the available resources and best practices to deal effectively with the challenges of digital learning for both learners and academic staff. It is important that countries promote digital excellence and explore the opportunities that information technologies can provide to education institutions, especially in the post-pandemic scenario, and the major transformations it will bring to citizens, societies, and economies. The Handbook of Research on Analyzing IT Opportunities for Inclusive Digital Learning explores the new demands of labor markets in the digital economy, how educational institutions can respond to these new opportunities and threats, the development of new teaching and learning methods, and finally, the development of digital skills and competences. It also discusses the challenges and opportunities caused by the pandemic in the area of education and how information technologies can transform education and develop a new workforce with the required digital skills and competences and knowledge to fit the post-pandemic labor market. This book highlights topics including knowledge management systems, learning technologies, personalized learning, and more within the context of diverse student populations. It is a valuable reference tool for academics, researchers, lecturers, decision makers, policymakers, and practitioners interested in new theories, research findings, and case studies for understanding inclusive digital learning and the opportunities for digital technologies in education. The neutrino is the most fascinating elementary particle due to its elusive nature and outstanding properties that have attracted the interest of generations of physicists since 1930, when it was first postulated by Wolfgang Pauli as a "desperate remedy" to explain the apparent energy violation in the beta decay. Many fundamental discoveries in particle physics had the neutrino

involved in one way or another. To date, neutrino physics is still one of the hottest topics of modern particle physics. Key experiments and significant theoretical developments have contributed in building up what we can call now the Standard Model of Neutrino Physics. The aim of the book is to provide graduate students and young researchers a comprehensive tutorial in modern neutrino physics, specially tailored with emphasis on the educational aspects. It provides an overview of the basics and of recent achievements in the field, from both experimental and theoretical points of view. Contents: Preface A Brief History of Neutrino (A Bettini) Introduction to the Formalism of Neutrino Oscillations (G Fantini, A G Rosso, V Zema and F Vissani) Neutrino Oscillation Detectors and Methods (D Autiero) Solar Neutrinos and Matter Effects (A Y Smirnov) Atmospheric Neutrinos (K Okumura) Probing the Atmospheric Sector with Accelerator Experiments (C Pistillo and C Wilkinson) The Measurement of ??? with Reactors and Accelerators (F Di Lodovico) Neutrinos from Supernovae and Other Astrophysical Sources (K Scholberg) High-Energy Astrophysical Neutrinos (F Halzen) Sterile Neutrinos: An Introduction to Experiments (J Conrad and M Shaevitz) Dirac and Majorana Neutrinos, Double Beta Decay (J-L Vuilleumier) Low-Energy Neutrino Interactions (A M Szelc) Theory and Phenomenology of Mass Ordering and CP Violation (P Coloma and S Pascoli) Beyond the Neutrino Standard Model (J D Lykken) Readership: Students and researchers interested in high energy physics and/or astrophysics. Keywords: Neutrino;Neutrino Masses;Neutrino Oscillations;Neutrino Properties;Neutrino Sources;Neutrino Detectors;Massive NeutrinosReview: Key Features: Mix of tutorial and review articles Comprehensive review of the main aspects in one single book The various topical chapters are written by experts in the field Cengage Learning's METEOROLOGY TODAY brings course concepts to life with interactive learning, study, and exam preparation tools along with market leading text content for introductory meteorology courses. Whether you use a traditional printed text or all digital Meteorology Today CourseMate alternative, it's never been easier to better understand the underlying principles of meteorology and appreciate the dynamic nature of the inevitable weather phenomena that continually influence our lives. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version. Apply the experience of dozens of leading authorities with the new Organizing for Fire and Rescue Services. This special fire service edition of NFPA's Fire Protection Handbook is comprised of 35 informative chapters that present the big picture in a single volume. All the topics fire service managers and fire and life safety educators need to know about are here including: Fire and fire science basics including fire data collection and databases, and use of incident data and statistics Information on fire and life safety education including how to reach high-risk groups, understanding media, and evaluation techniques Guidance on fire department administration and operations, pre-incident planning, EMS, training, apparatus and equipment, PPE, managing response to haz-mat incidents, rescue operations, fireground operations, and more! Order your copy today and put time-tested knowledge to work for you! This volume constitutes the proceedings of the 10th International Conference on Artificial Intelligence and Soft Computing, ICAISC'2010, held in Zakopane, Poland in June 13-17, 2010. The articles are organized in topical sections on Fuzzy Systems and Their Applications; Data Mining, Classification and Forecasting; Image and Speech Analysis; Bioinformatics and Medical Applications (Volume 6113) together with Neural Networks and Their Applications; Evolutionary Algorithms and Their Applications; Agent System, Robotics and Control; Various Problems aof Artificial Intelligence (Volume 6114). An in-depth analysis of 'product likeness' in GATT law - the key concept for the application of the non-discrimination principle. This workbook/study guide is organized by chapter and includes chapter summary, important concepts, self-test true/false, multiple choice, and essay type questions and answers. A list of additional suggested reading material is also included to further enhance student understanding of the subject. Intervals of high-activity alternating with long low-activity periods can be found in many areas of daily life, with researchers coining the phenomenon as bursts. As burstiness has become prevalent in many fields, understanding it and knowing how to manage it are crucial in order to be able to get all the benefits associated with it. Burstiness Management for Smart, Sustainable and Inclusive Growth:

Emerging Research and Opportunities provides innovative insights into burstiness's role in decision-making in business and its function as a predictor of performance. The content within this publication covers topics such as burstiness in business and e-business applications, as well as consumer behavior and sustainable development. It is a vital reference source for business managers, business professionals, academicians, researchers, and graduate-level students interested in understanding how burstiness and its consequences are processed in diverse and dynamic environments. This book constitutes the refereed proceedings of the 10th European Conference on Evolutionary Computation in Combinatorial Optimization, EvoCOP 2010, held in Istanbul, Turkey, in April 2010. The 24 revised full papers presented were carefully reviewed and selected from 69 submissions. The papers present the latest research and discuss current developments and applications in metaheuristics - a paradigm to effectively solve difficult combinatorial optimization problems appearing in various industrial, economical, and scientific domains. Prominent examples of metaheuristics are evolutionary algorithms, simulated annealing, tabu search, scatter search, memetic algorithms, variable neighborhood search, iterated local search, greedy randomized adaptive search procedures, estimation of distribution algorithms and ant colony optimization. This important volume provides a plethora of information on aerial vehicles and their possible roles in revolutionizing agricultural procedures through spectral analysis of terrains, soils, crops, water resources, diseases, floods, drought, and farm activities. There are several semi-autonomous and autonomous (robotic) aerial vehicles that are examined for their efficiency in offering detailed spectral data about agrarian regions and individual farms. Among them, small drone aircrafts such as fixed-winged and copter models have already caught the imagination of farmers. They are spreading fast in every nook and corner of the farm world. However, there are many more aerial robots that are utilized in greater detail during farming. In this volume, the focus is on aerial vehicles such as parafoils, blimps, aerostats, and kites, and how they are being evaluated for use in experimental farms and fields. A few aerial vehicles, such as robotic parafoils, have been adopted to procure aerial spectral data and visual imagery to aid agronomic procedures. These and other aerial robots are expected to change and improve the use of the sky in agricultural endeavors and the way we conduct agronomic procedures in the very near future. This volume is a timely resource for agricultural researchers, professors and students, and the general public who are interested in aerial vehicles. This thoroughly revised and updated second edition of *Operations Management in Healthcare: Strategy and Practice* describes how healthcare organizations can cultivate a competitive lead by developing superior operations using a strategic perspective. In clearly demonstrating the "how-tos" of effectively managing a healthcare organization, this new edition also addresses the "why" of providing quality and value-based care. Comprehensive and practice-oriented, chapters illustrate how to excel in the four competitive priorities - quality, cost, delivery, and flexibility - in order to build a cumulative model of healthcare operations in which all concepts and tools fit together. This textbook encourages a hands-on approach and integrates mind maps to connect concepts, icons for quick reference, dashboards for measurement and tracking of progress, and newly updated end-of-chapter problems and assignments to reinforce creative and critical thinking. Written with the diverse learning needs in mind for programs in health administration, public health, business administration, public administration, and nursing, the textbook equips students with essential high-level problem-solving and process improvement skills. The book reveals concepts and tools through a series of short vignettes of a fictitious healthcare organization as it embarks on its journey to becoming a highly reliable organization. This second edition also includes a strong emphasis on the patient's perspective as well as expanded and added coverage of Lean Six Sigma, value-based payment models, vertical integration, mergers and acquisitions, artificial intelligence, population health, and more to reflect evolving innovations in the healthcare environment across the United States. Complete with a full and updated suite of Instructor Resources, including Instructor's Manual, PowerPoints, and test bank in addition to data sets, tutorial videos, and Excel templates for students. Key Features: Demonstrates the "how-tos" of effectively managing a healthcare organization Sharpens problem-solving and process improvement skills through use of an extensive toolkit developed throughout the

text Prepares students for Lean Six Sigma certification with expanded coverage of concepts, tools, and analytics Highlights new trends in healthcare management with coverage of value-based payments, mergers and acquisitions, population health, telehealth, and more Intertwines concepts with vivid vignettes to describe human dynamics, organizational challenges, and applications of tools Employs boxed features and YouTube videos to address frequently asked questions and real-world instances of operations in practice Recounting his three years in Korea, the highest-ranking non-Korean executive at Hyundai sheds light on a business culture very few Western journalists ever experience, in this revealing, moving, and hilarious memoir. When Frank Ahrens, a middle-aged bachelor and eighteen-year veteran at the Washington Post, fell in love with a diplomat, his life changed dramatically. Following his new bride to her first appointment in Seoul, South Korea, Frank traded the newsroom for a corporate suite, becoming director of global communications at Hyundai Motors. In a land whose population is 97 percent Korean, he was one of fewer than ten non-Koreans at a company headquarters of thousands of employees. For the next three years, Frank traveled to auto shows and press conferences around the world, pitching Hyundai to former colleagues while trying to navigate cultural differences at home and at work. While his appreciation for absurdity enabled him to laugh his way through many awkward encounters, his job began to take a toll on his marriage and family. Eventually he became a vice president—the highest-ranking non-Korean at Hyundai HQ. Filled with unique insights and told in his engaging, humorous voice, Seoul Man sheds light on a culture few Westerners know, and is a delightfully funny and heartwarming adventure for anyone who has ever felt like a fish out of water—all of us.

Executive Summary for a report which gathers & collates the best national data available to provide a reliable & comprehensive overview of American reading today. This report relies on large, nat. studies conducted on a regular basis by U.S. fed. agencies, supplemented by academic, foundation, & business surveys. Although there has been measurable progress in recent years in reading ability at the elementary school level, all progress appears to halt as children enter their teenage years. There is a general decline in reading among teenage & adult Americans. Both reading ability & the habit of regular reading have greatly declined among college grad. The declines have demonstrable social, economic, cultural, & civic implications. Charts & tables. Aimed at anyone who discovers or publishes information on the Web and who cares about its origin and its quality. Based on an analysis of literature, this survey puts forward the Open Provenance Vision. This multidisciplinary book draws on sociology, cultural studies, anthropology and history, to explore the diversity, challenges and achievements of Latin American women in sport. It offers an in-depth analysis of women's sport in ten countries across Latin America, insights into the sport activities of indigenous peoples, and the contributions of Latin American women to sport living outside of the region. The book also provides a comprehensive overview of international developments in gender and sport research, policy development and theory, and addresses sport participation at many levels including in school-based physical education, community and high performance contexts. An invaluable self-assessment tool for emergency medicine trainees in Australasia. Emergency Medicine MCQs is an essential resource for Australasia's emergency medicine trainees. A practical self-assessment tool, the book assists trainees as they expand and refine their knowledge of emergency medicine, and will ultimately help them pass the Australasian Emergency Medicine Fellowship examination (FACEM). The multiple-choice questions in Emergency Medicine MCQs cover both the core and non-core areas in the Australasian Emergency Medicine Fellowship. Using this text, trainees can revise alone or with their peers to identify the areas in which they need further development. The curriculum is divided into three main areas where trainees require expert level of knowledge, high level of knowledge and general level of knowledge. It covers important clinical problems encountered in everyday emergency medicine practice – from cardiovascular emergencies through to obstetric and gynaecology emergencies, disaster management and toxicology. As well as being ideal for emergency medicine trainees qualifying through AECM, the book is a useful resource for GPs taking the GEM qualification through ACEM and JMOs 'on call'. Plus, this emergency medicine text is accompanied by an app – a separate product containing 180 randomised multiple-choice questions on all the topics

within the book. Examines the long-term developments for communication systems and the media industry Shows the structural changes of the media economy Authors are international renowned experts in the field First Published in 2008. Routledge is an imprint of Taylor & Francis, an informa company. The new revised fifth edition of Natural Hazards remains the go-to introductory-level survey intended for university and college courses that are concerned with earth processes that have direct, and often sudden and violent, impacts on human society. The text integrates principles of geology, hydrology, meteorology, climatology, oceanography, soil science, ecology, and solar system astronomy. The textbook explains the earth processes that drive hazardous events in an understandable way, illustrates how these processes interact with our civilization, and describes how we can better adjust to their effects. Written by leading scholars in the area, the new edition of this book takes advantage of the greatly expanding amount of information regarding natural hazards, disasters, and catastrophes. The text is designed for learning, with chapters broken into small consumable chunks of content for students. Each chapter opens with a list of learning objectives and ends with revision as well as high-level critical thinking questions. A Concepts in Review feature provides an innovative end-of-chapter section that breaks down the chapter content by parts: reviewing the learning objectives, summary points, important visuals, and key terms. New case studies of hazardous events have been integrated into the text, and students are invited to actively apply their understanding of the five fundamental concepts that serve as a conceptual framework for the text. Figures, illustrations, and photos have been updated throughout. The book is designed for a course in natural hazards for nonscience majors, and a primary goal of the text is to assist instructors in guiding students who may have little background in science to understand physical earth processes as natural hazards and their consequences to society. With the evolution of information technologies, mobile devices, and social media, educators must learn to build and utilize new forms of content delivery, new teaching methodologies for academics, and special learning environments tailored to the needs of adult students. Impact of Economic Crisis on Education and the Next-Generation Workforce provides comprehensive coverage on the complexities and challenges of the learning process in the context of higher education and the role information technologies can play in mobile and distance learning. Through this book, professors, students, politicians, policymakers, corporate leaders, senior general managers, managing directors, information technology directors, and managers will understand the evolution and needs of new labor markets, including challenges for education, higher education and reforms, mobile and distance learning in higher education, problems in the current labor market, and the role of faculty with respect to workforce training. Injury is recognized as a major public health issue worldwide. In most countries, injury is the leading cause of death and disability for children and young adults age 1 to 39 years. Each year in the United States, injury claims about 170,000 lives and results in over 30 million emergency room visits and 2.5 million hospitalizations. Injury is medically defined as organ/tissue damages inflicted upon oneself or by an external agent either accidentally or deliberately. Injury encompasses the undesirable consequences of a wide array of events, such as motor vehicle crashes, poisoning, burns, falls, and drowning, medical error, adverse effects of drugs, suicide and homicide. The past two decades have witnessed a remarkable growth in injury research, both in scope and in depth. To address the tremendous health burden of injury morbidity and mortality at the global level, the World Health Organization in 2000 created the Department of Injury and Violence Prevention, which has produced several influential reports on violence, traffic injury, and childhood injury. The biennial World Conference on Injury Control and Safety Promotion attracts a large international audience and has been successfully convened nine times in different countries. In the United States, the National Center for Injury Prevention and Control became an independent program of the federal Centers for Disease Prevention and Control in 1997. Since then, each state health department has created an office in charge of injury prevention activities and over a dozen universities have established injury control research centers. This volume will fill an important gap in the scientific literature by providing a comprehensive and up-to-date reference resource to researchers, practitioners, and students working on different aspects of the injury problem and in different practice

settings and academic fields. Generating function (GF) is a mathematical technique to concisely represent a known ordered sequence into a simple continuous algebraic function in dummy variable(s). This Second Edition introduces commonly encountered generating functions (GFs) in engineering and applied sciences, such as ordinary GF (OGF), exponential GF (EGF), as also Dirichlet GF (DGF), Lambert GF (LGF), Logarithmic GF (LogGF), Hurwitz GF (HGF), Mittag-Leffler GF (MLGF), etc. This book is intended mainly for beginners in applied science and engineering fields to help them understand single-variable GFs and illustrate how to apply them in various practical problems. Specifically, the book discusses probability GFs (PGF), moment and cumulant GFs (MGF, CGF), mean deviation GFs (MDGF), survival function GFs (SFGF), rising and falling factorial GFs, factorial moment, and inverse factorial moment GFs. Applications of GFs in algebra, analysis of algorithms, bioinformatics, combinatorics, economics, finance, genomics, geometry, graph theory, management, number theory, polymer chemistry, reliability, statistics and structural engineering have been added to this new edition. This book is written in such a way that readers who do not have prior knowledge of the topic can easily follow through the chapters and apply the lessons learned in their respective disciplines.

METEOROLOGY TODAY, Ninth Edition, is one of the most widely used and authoritative texts for the introductory meteorology course. This ninth edition helps you understand and appreciate the dynamic nature of the inevitable weather phenomena that continually influence our lives. The text's clear and inviting narrative is supplemented by numerous pedagogical features that encourage observing, calculating, and synthesizing information. "Character" has become a front-and-center topic in contemporary discourse, but this term does not have a fixed meaning. Character may be simply defined by what someone does not do, but a more active and thorough definition is necessary, one that addresses certain vital questions. Is character a singular characteristic of an individual, or is it composed of different aspects? Does character--however we define it--exist in degrees, or is it simply something one happens to have? How can character be developed? Can it be learned? Relatedly, can it be taught, and who might be the most effective teacher? What roles are played by family, schools, the media, religion, and the larger culture? This groundbreaking handbook of character strengths and virtues is the first progress report from a prestigious group of researchers who have undertaken the systematic classification and measurement of widely valued positive traits. They approach good character in terms of separate strengths--authenticity, persistence, kindness, gratitude, hope, humor, and so on--each of which exists in degrees. *Character Strengths and Virtues* classifies twenty-four specific strengths under six broad virtues that consistently emerge across history and culture: wisdom, courage, humanity, justice, temperance, and transcendence. Each strength is thoroughly examined in its own chapter, with special attention to its meaning, explanation, measurement, causes, correlates, consequences, and development across the life span, as well as to strategies for its deliberate cultivation. This book demands the attention of anyone interested in psychology and what it can teach about the good life.

Sex and sexuality are undoubtedly on your mind. So don't you want a human sexuality text that's hip, that reflects your life situation, and that answers the questions you're eager to learn about but hesitant to ask? Filled with the information that students like you want and need to learn, the fifth edition of this text hits the mark as it addresses concerns that students have about themselves and their sexuality with scientific fact, sensitivity, unmatched candor, and humor. Beyond simply providing a foundation in the biology and psychology of sexuality, **SEXUALITY NOW: EMBRACING DIVERSITY** connects with you and other students by exploring contemporary issues, changing sexual practices and behaviors, and their impact. Complemented by informative illustrations and photographs, the book covers the range of sexual orientations, preferences, and behaviors and takes into account the diverse social, religious, ethnic, racial, and cultural contexts of today's students. The result is that you'll find lots of material to relate to as well as eye-opening discussions about sexuality today on college campuses, within the United States, and around the world.

Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version. In this groundbreaking book, Scalia and Garner systematically explain all the most important principles of constitutional, statutory, and contractual interpretation in an

engaging and informative style with hundreds of illustrations from actual cases. Is a burrito a sandwich? Is a corporation entitled to personal privacy? If you trade a gun for drugs, are you using a gun in a drug transaction? The authors grapple with these and dozens of equally curious questions while explaining the most principled, lucid, and reliable techniques for deriving meaning from authoritative texts. Meanwhile, the book takes up some of the most controversial issues in modern jurisprudence. What, exactly, is textualism? Why is strict construction a bad thing? What is the true doctrine of originalism? And which is more important: the spirit of the law, or the letter? The authors write with a well-argued point of view that is definitive yet nuanced, straightforward yet sophisticated. Traces the FBI's journey from fledgling startup to one of the most respected names in national security, taking you on a walk through the seven key chapters in Bureau history. It features overviews of more than 40 famous cases and an extensive collection of photographs. Young-old learners are an underresearched group in foreign/second language research. The present mixed-methods study aims to provide a more differentiated view of this group in the context of lifelong learning and, more specifically, learning English as a foreign language. The author draws from concepts in gerontology, psychology, adult education, and foreign/second language research to investigate the L2-self-concepts of young-old language learners at Volkshochschulen in Germany. This book constitutes selected and revised papers of the 9th International Conference, SENSORNETS 2020, Valletta, Malta, held in February 2020, and the 10th International Conference, SENSORNETS 2021, held virtually in February 2021. The 7 full papers presented were carefully reviewed and selected from 60 submissions. They focus in all aspects of sensor networks, including hardware of sensor networks, wireless communication protocols, sensor networks software, hardware and architectures, wireless information networks, channel characterization, data manipulation, signal processing, localization and object tracking through sensor networks, modelling and simulation, applications and uses. Modern neuroscience research is inherently multidisciplinary, with a wide variety of cutting edge new techniques to explore multiple levels of investigation. This Third Edition of Guide to Research Techniques in Neuroscience provides a comprehensive overview of classical and cutting edge methods including their utility, limitations, and how data are presented in the literature. This book can be used as an introduction to neuroscience techniques for anyone new to the field or as a reference for any neuroscientist while reading papers or attending talks. • Nearly 200 updated full-color illustrations to clearly convey the theory and practice of neuroscience methods • Expands on techniques from previous editions and covers many new techniques including in vivo calcium imaging, fiber photometry, RNA-Seq, brain spheroids, CRISPR-Cas9 genome editing, and more • Clear, straightforward explanations of each technique for anyone new to the field • A broad scope of methods, from noninvasive brain imaging in human subjects, to electrophysiology in animal models, to recombinant DNA technology in test tubes, to transfection of neurons in cell culture • Detailed recommendations on where to find protocols and other resources for specific techniques • “Walk-through boxes that guide readers through experiments step-by-step The book (COST Action Final report) summarises the proceedings from COST Action ES1206. COST Action ES1206, Advanced GNSS Tropospheric Products for Severe Weather Events and Climate (GNSS4SWEC), was a 4-year project, running from 2013 to 2017, which coordinated new and improved capabilities from concurrent developments in GNSS, meteorological and climate communities. For the first time, the synergy of multi-GNSS constellations was used to develop new, more advanced tropospheric products, exploiting the full potential of multi-GNSS on a wide range of temporal and spatial scales - from real-time products monitoring and forecasting severe weather, to the highest quality post-processed products suitable for climate research. The Action also promoted the use of meteorological data as an input to real-time GNSS positioning, navigation, and timing services and has stimulated knowledge and data transfer throughout Europe and beyond. By bringing together a distinguished group of scholars who have deep, extensive and complementary knowledge and expertise of the Chinese education system, The Work and Lives of Teachers in China engages in detailed discussions on contemporary issues about teachers and teaching in China. It locates teachers' work and lives in a critical analysis of the

political, socio-cultural, ideological and educational reform contexts, and through this, demonstrates how teachers in different professional life phases and in different schools are able to retain their vocational strength and commitment for learning and development. Using rich illustrations from real teachers in real primary and secondary schools, this book represents a collection of scholarly writings which build research and practice informed new knowledge about the nature of teachers' work and lives in China. Through these comprehensive case studies, the book illustrates to policy makers, head teachers and training and development organisations the importance of sustaining teachers' commitment and wellbeing in their efforts to improve quality and standards in today's Chinese schools. The Work and Lives of Teachers in China provides valuable insight for policy makers, educators, researchers, teachers and students in education and beyond. For Introduction to Soils or Fundamentals of Soil Science courses. Also for courses in Soil Fertility, Forest Soils, Soil Management, Land Resources, Earth Science, and Soil Geography. Developed for Introduction to Soils or Soil Science courses, The Nature and Properties of Soils, 14e can be used in courses such as Soil Fertility, Land Resources, Earth Science and Soil Geography. Now in its 14th edition, this text is designed to help make students study of soils a fascinating and intellectually satisfying experience. Written for both majors and non-majors, this text highlights the many interactions between the soil and other components of forest, range, agricultural, wetland and constructed ecosystems. Written by emergency nurses for emergency nurses, this comprehensive, evidence-based resource covers the issues and procedures that are often unique to the emergency department. New developments and changes in clinical practice are incorporated throughout. The user-friendly format features more than 350 high-quality illustrations and 150 tables that highlight essential concepts and offer quick access to vital information. Key coverage includes clinical fundamentals, treatment for trauma and medical-surgical emergencies, the foundations of emergency nursing practice, and special populations. 58 contributors offer valuable insights from a broad range of clinical positions in rural, suburban, and urban areas. High-quality radiographs and other diagnostic images help you learn to identify common conditions — especially head trauma, fractures, and dislocations. Logically organized, chapters are grouped into six sections for quick access to important content: Foundations of Emergency Nursing, Professional Practice, Clinical Foundations of Emergency Nursing, Major Trauma Emergencies, Medical and Surgical Emergencies, and Special Patient Populations. Tables and boxes highlight and summarize critical information for at-a-glance reference. A separate unit on special patient populations covers topics such as child abuse, elder abuse, intimate partner violence, sexual assault, substance abuse and behavioral/pediatric/obstetrical emergencies. Priority nursing diagnoses are highlighted in a quick-reference appendix to help you focus on the most serious problems. Five new chapters bring you the most reliable, up-to-date information on these key topics: Management of the Critical Care Patient in the Emergency Department Family Presence During Resuscitation Forensic Nursing Nuclear, Biological, and Chemical Agents of Mass Destruction Influenza: Seasonal, Avian, and Pandemic Expanded coverage of shock and sepsis provides essential information on pathophysiology and diagnosis, with valuable guidelines for managing these patients. A detailed discussion of various types of triage systems and triage acuity ratings examines valid and reliable methods for differentiating between patients who require immediate treatment and those who can wait. Additional coverage of behavioral health emergencies includes new information on agitation, substance abuse, and suicide prevention. As climate has warmed over recent years, a new pattern of more frequent and more intense weather events has unfolded across the globe. Climate models simulate such changes in extreme events, and some of the reasons for the changes are well understood. Warming increases the likelihood of extremely hot days and nights, favors increased atmospheric moisture that may result in more frequent heavy rainfall and snowfall, and leads to evaporation that can exacerbate droughts. Even with evidence of these broad trends, scientists cautioned in the past that individual weather events couldn't be attributed to climate change. Now, with advances in understanding the climate science behind extreme events and the science of extreme event attribution, such blanket statements may not be accurate. The relatively young science of extreme event attribution seeks to tease out the influence of

human-cause climate change from other factors, such as natural sources of variability like El Niño, as contributors to individual extreme events. Event attribution can answer questions about how much climate change influenced the probability or intensity of a specific type of weather event. As event attribution capabilities improve, they could help inform choices about assessing and managing risk, and in guiding climate adaptation strategies. This report examines the current state of science of extreme weather attribution, and identifies ways to move the science forward to improve attribution capabilities. Opera Village Africa, a participatory art experiment by the late German multimedia artist Christoph Schlingensiefel, serves as a testing ground for a critical interrogation of Richard Wagner's notion of the Gesamtkunstwerk. Sarah Hegenbart traces the path from Wagner's introduction of the Gesamtkunstwerk in Bayreuth to Schlingensiefel's attempt to charge the idea of the total artwork with new meaning by transposing it to the West African country Burkina Faso. Schlingensiefel developed Opera Village in collaboration with the world-renowned architect Francis Kéré. This final project of Schlingensiefel is inspired by and illuminates the diverse themes that informed his artistic practice, including coming to terms with the German past, anti-Semitism, critical race theory, and questions of postcolonial (self-)criticism. From Bayreuth to Burkina Faso introduces the notion of the postcolonial Gesamtkunstwerk to disrupt the Eurocentric perspective on art history, exploring how the socio-political force of a postcolonial Gesamtkunstwerk could affect processes of transcultural identity construction. It reveals how Schlingensiefel translocated the Wagnerian concept to Burkina Faso to address German colonial history and engage with it from the perspective of multidirectional memory cultures. A respected authority updated for today's changing healthcare environment, Maternal & Child Health Nursing, 9th Edition, equips students for success by presenting maternal-newborn and child healthcare not as two separate disciplines, but as a continuum of knowledge. This extensively revised 9th Edition integrates a nursing process framework, an approachable organization, the latest evidence-based research, and engaging learning aids to ensure a mastery of essential concepts and cultivate the skills for successful nursing practice. Lawrence Lessig, "the most important thinker on intellectual property in the Internet era", masterfully argues that never before in human history has the power to control creative progress been so concentrated in the hands of the powerful few, the so-called Big Media. Never before have the cultural powers- that-be been able to exert such control over what we can and can't do with the culture around us. Our society defends free markets and free speech; why then does it permit such top-down control? To lose our long tradition of free culture, Lawrence Lessig shows us, is to lose our freedom to create, our freedom to build, and, ultimately, our freedom to imagine.

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