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KEY=2014 - GWENDOLYN ROWAN

CRITICAL ROLE OF ANIMAL SCIENCE RESEARCH IN FOOD SECURITY AND SUSTAINABILITY

National Academies Press **By 2050 the world's population is projected to grow by one-third, reaching between 9 and 10 billion. With globalization and expected growth in global affluence, a substantial increase in per capita meat, dairy, and fish consumption is also anticipated. The demand for calories from animal products will nearly double, highlighting the critical importance of the world's animal agriculture system. Meeting the nutritional needs of this population and its demand for animal products will require a significant investment of resources as well as policy changes that are supportive of agricultural production. Ensuring sustainable agricultural growth will be essential to addressing this global challenge to food security. Critical Role of Animal Science Research in Food Security and Sustainability identifies areas of research and development, technology, and resource needs for research in the field of animal agriculture, both nationally and internationally. This report assesses the global demand for products of animal origin in 2050 within the framework of ensuring global food security; evaluates how climate change and natural resource constraints may impact the ability to meet future global demand for animal products in sustainable production systems; and identifies factors that may impact the ability of the United States to meet demand for animal products, including the need for trained human capital, product safety and quality, and effective communication and adoption of new knowledge, information, and technologies. The agricultural sector worldwide faces numerous daunting challenges that will require innovations, new technologies, and new ways of approaching agriculture if the food, feed, and fiber needs of the global population are to be met. The recommendations of Critical Role of Animal Science Research in Food Security and Sustainability will inform a new roadmap for animal science research to meet the challenges of sustainable animal production in the 21st century.**

FRONTIERS IN DATA SCIENCE

CRC Press **Frontiers in Data Science deals with philosophical and practical results in Data Science. A broad definition of Data Science describes the process of analyzing data to transform data into insights. This also involves asking philosophical, legal and social questions in the context of data generation and analysis. In fact, Big Data also belongs to this universe as it comprises data gathering, data fusion and analysis when it comes to manage big data sets. A major goal of this book is to understand data science as a new scientific discipline rather than the practical aspects of data analysis alone.**

OECD SCIENCE, TECHNOLOGY AND INDUSTRY OUTLOOK 2014

OECD Publishing **The OECD Science, Technology and Industry Outlook 2014 reviews key trends in science, technology and innovation (STI) policies, and performance in more than 45 economies, including OECD countries and major emerging economies.**

TOWARDS A NEW SOCIAL ORDER? REAL DEMOCRACY, SUSTAINABILITY & PEACE

Vernon Press **This contribution argues that a long-established social order has been in place since the first stratified societies in the Near Middle East which unavoidably comes with substantial economic, political and environmental repercussions. Part I of the book dissects the various facets of this order, which is termed the social dominance paradigm, while in Part II a fundamentally different order, the peace paradigm, is introduced. The latter rests on real democracy (in the Athenian sense), sustainability and peace. As such, both paradigms function as vehicles for further analysis and research while the peace paradigm also provides a rough plan for the implementation of transformational change. Typically, political, economic, social, and environmental research seeks to increase specialized knowledge. Here, however, the overall intent is to utilize interdisciplinary evidence and connect the dots between a number defining features within seemingly modern societies. The argument is that these are, in fact, not modern at all but follow an ancient template of power, control, and coordination concentrated in the hands of the few. Potentially, this contribution can function as a trans-disciplinary methodological framework as well as an information hub for researchers in the fields of political and social sciences, history, anthropology, evolutionary biology, organization and peace studies. Practitioners who are interested in fundamental social change may also find the issues raised to be of interest. As such, this book provides a generalist, evidence-based discussion of a multi-disciplinary nature that may pique the interest of both experts and amateurs alike.**

SCHOOL LIBRARY INFOGRAPHICS: HOW TO CREATE THEM, WHY TO USE THEM

HOW TO CREATE THEM, WHY TO USE THEM

ABC-CLIO Find out how you can increase the impact of your school library instruction, promotion, and organization with the utilization of infographics created with do-it-yourself tips found within this guidebook. • Includes more than 30 original visuals available for reproduction • Provides tips for sharing infographics through social media • Demonstrates how to effectively pair infographics and education to maximize your library's impact on students • Shows how graphics can be used to enhance instruction • Features a list of applications and tools for creating your own infographics using basic, easy-to-access, and free software

HUBRIS, SELF-INTEREST, AND AMERICA'S FAILED WAR IN AFGHANISTAN

THE SELF-SUSTAINING OVERREACH

Rowman & Littlefield This book describes the conduct of the US-led post-9/11 war in Afghanistan. Adopting a long-term perspective, it argues that even though Washington initially had an opportunity to achieve its security goals and give Afghanistan a chance to enter a new era, it compromised any possibility of success from the very moment it let bin Laden escape to Pakistan in December 2001, and found itself locked in a strategic overreach. Given the bureaucratic and rhetorical momentum triggered by the war on terror in America, the Bush Administration was bound to deploy more resources in Afghanistan sooner or later (despite its focus on Iraq). The need to satisfy unfulfilled counter-terrorism objectives made the US dependent on Afghanistan's warlords, which compromised the country's stability and tarnished its new political system. The extension of the US military presence made Washington lose its leverage on the Pakistan army leaders, who, aware of America's logistical dependency on Islamabad, supported the Afghan insurgents - their historical proxies - more and more openly. The extension of the war also contributed to radicalize segments of the Afghan and Pakistani populations, destabilizing the area further. In the meantime, the need to justify the extension of its military presence influenced the US-led coalition into proclaiming its determination to democratize and reconstruct Afghanistan. While highly opportunistic, the emergence of these policies proved both self-defeating and unsustainable due to an inescapable collision between the US-led coalition's inherent self-interest, hubris, limited knowledge, limited attention span and limited resources, and, on the other hand, Afghanistan's inherent complexity. As the critical contradictions at the very heart of the campaign increased with the extension of the latter's duration, scale, and cost, America's leaders, entrapped in path-dependence, lost their strategic flexibility. Despite debates on troops/resource allocation and more sophisticated doctrines, they repeated the same structural mistakes over and over again. The strategic overreach became self-sustaining, until its costs became intolerable, leading to a drawdown which has more to do with a pervasive sense of failure than with the accomplishment of any noble purpose or strategic breakthrough.

CONTEMPORARY RESEARCH METHODS AND DATA ANALYTICS IN THE NEWS INDUSTRY

IGI Global The advent of digital technologies has changed the news and publishing industries drastically. While shrinking newsrooms may be a concern for many, journalists and publishing professionals are working to reorient their skills and capabilities to employ technology for the purpose of better understanding and engaging with their audiences. *Contemporary Research Methods and Data Analytics in the News Industry* highlights the research behind the innovations and emerging practices being implemented within the journalism industry. This crucial, industry-shattering publication focuses on key topics in social media and video streaming as a new form of media communication as well the application of big data and data analytics for collecting information and drawing conclusions about the current and future state of print and digital news. Due to significant insight surrounding the latest applications and technologies affecting the news industry, this publication is a must-have resource for journalists, analysts, news media professionals, social media strategists, researchers, television news producers, and upper-level students in journalism and media studies. This timely industry resource includes key topics on the changing scope of the news and publishing industries including, but not limited to, big data, broadcast journalism, computational journalism, computer-mediated communication, data scraping, digital media, news media, social media, text mining, and user experience.

HANDBOOK OF RESEARCH ON RECENT DEVELOPMENTS IN MATERIALS SCIENCE AND CORROSION ENGINEERING EDUCATION

IGI Global The latest research innovations and enhanced technologies have altered the discipline of materials science and engineering. As a direct result of these developments, new trends in Materials Science and Engineering (MSE) pedagogy have emerged that require attention. The *Handbook of Research on Recent Developments in Materials Science and Corrosion Engineering Education* brings together innovative and current advances in the curriculum design and course content of MSE education programs. Focusing on the application of instructional strategies, pedagogical frameworks, and career preparation techniques, this book is an essential reference source for academicians, engineering practitioners, researchers, and industry professionals interested in emerging and future trends in MSE training and education.

REGIONAL RISK AND SECURITY IN JAPAN

WHITHER THE EVERYDAY

Routledge Japan's unusual position in the realm of international politics encapsulates a three-fold juxtaposition: both in and out of Asia, both occupied by and a close ally of the United States, and both a key trade partner and a strategic rival of China. Whilst international relations theory offers a number of ways to analyse these relations, this book instead utilizes the concept of risk to provide an innovative perspective on Japan's relations with China, North Korea and the US. The book elucidates how risk, potential harm and harm are faced disproportionately by certain groups in society. This is demonstrated by providing an empirically rich analysis of the domestic implications of security relations with China, North Korea and the United States through the presence of US troops in Okinawa. Beginning with a theoretical discussion of risk, it goes on to demonstrate how the concept of risk adds value to the study of international relations in three senses. First, the concept helps to break down the boundaries between the international and domestic. Second, the focus on risk and the everyday directs us to ask basic questions about the costs and benefits of a security policy meant to secure the national population. Third, what implications do these two points have for governance? The question is one of governance as Japan's externally oriented security policy produces domestic insecurity shared disproportionately, not equally, as this volume makes clear. Developing the theory of risk as a tool for understanding international relations, this book will be of great interest to students and scholars of Asian politics, Japanese politics, international relations and security studies, as well as to policy makers and practitioners working in the field.

SCIENCE, INFORMATION, AND POLICY INTERFACE FOR EFFECTIVE COASTAL AND OCEAN MANAGEMENT

CRC Press This book provides a timely analysis of the role that information-particularly scientific information-plays in the policy-making and decision-making processes in coastal and ocean management. It includes contributions from global experts in marine environmental science, marine policy, fisheries, public policy and administration, resource management

CONTEMPORARY PHILOSOPHY AND SOCIAL SCIENCE

AN INTERDISCIPLINARY DIALOGUE

Bloomsbury Publishing How should we theorize about the social world? How can we integrate theories, models and approaches from seemingly incompatible disciplines? Does theory affect social reality? This state-of-the-art collection addresses contemporary methodological questions and interdisciplinary developments in the philosophy of social science. Facilitating a mutually enriching dialogue, chapters by leading social scientists are followed by critical evaluations from philosophers of social science. This exchange showcases recent major theoretical and methodological breakthroughs and challenges in the social sciences, as well as fruitful ways in which the analytic tools developed in philosophy of science can be applied to understand these advancements. The volume covers a diverse range of principles, methods, innovations and applications, including scientific and methodological pluralism, performativity of theories, causal inferences and applications of social science to policy and business. Taking a practice-orientated and interactive approach, it offers a new philosophy of social science grounded in and relevant to the emerging social science practice.

FIELD EXPERIMENTS IN POLITICAL SCIENCE AND PUBLIC POLICY

PRACTICAL LESSONS IN DESIGN AND DELIVERY

Routledge Field experiments -- randomized controlled trials -- have become ever more popular in political science, as well as in other disciplines, such as economics, social policy and development. Policy-makers have also increasingly used randomization to evaluate public policies, designing trials of tax reminders, welfare policies and international aid programs to name just a few of the interventions tested in this way. Field experiments have become successful because they assess causal claims in ways that other methods of evaluation find hard to emulate. Social scientists and evaluators have rediscovered how to design and analyze field experiments, but they have paid much less attention to the challenges of organizing and managing them. Field experiments pose unique challenges and opportunities for the researcher and evaluator which come from working in the field. The research experience can be challenging and at times hard to predict. This book aims to help researchers and evaluators plan and manage their field experiments so they can avoid common pitfalls. It is also intended to open up discussion about the context and backdrop to trials so that these practical aspects of field experiments are better understood. The book sets out ten steps researchers can use to plan their field experiments, then nine threats to watch out for when they implement them. There are case studies of voting and political participation, elites, welfare and employment, nudging citizens, and developing countries.

SCIENTIFIC INTEGRITY AND ETHICS IN THE GEOSCIENCES

John Wiley & Sons Science is built on trust. The assumption is that scientists will conduct their work with integrity, honesty, and a strict adherence to scientific protocols. Written by geoscientists for geoscientists, *Scientific Integrity and Ethics in the Geosciences* acquaints readers with the fundamental principles of scientific ethics and shows how they apply to everyday work in the classroom, laboratory, and field. Resources are provided throughout to help discuss and implement principles of scientific integrity and ethics. Volume highlights include: Examples of international and national codes and policies Exploration of the role of professional societies in scientific integrity and ethics References

to scientific integrity and ethics in publications and research data Discussion of science integrity, ethics, and geoethics in education Extensive coverage of data applications Scientific Integrity and Ethics in the Geosciences is a valuable resource for students, faculty, instructors, and scientists in the geosciences and beyond. It is also useful for geoscientists working in industry, government, and policymaking. Read an interview with the editors to find out more: <https://eos.org/editors-vox/ethics-crucial-for-the-future-of-the-geosciences>

HUMAN DEVELOPMENT REPORT 2015

WORK FOR HUMAN DEVELOPMENT

United Nations This report takes a broad view of the link between work and human development. Work is a critical tool for economic growth and security, poverty reduction and gender equality. It enables full participation in society while affording people a sense of dignity and worth. Humans working together not only increase their material well-being, they also accumulate a wide body of knowledge that serves as the basis for cultures and civilizations. The report finds that work enhances human development when policies are taken to expand productive, remunerative and satisfying work opportunities. Workers' skills and potentials are enhanced, their well-being in terms of rights, safety and benefits are ensured with targeted interventions, and an agenda incorporating decent work, a new Social Contract and a Global Deal is pursued.

ADVANCES IN CONSTRUCTION ICT AND E-BUSINESS

Taylor & Francis This internationally conducted study of the latest construction industry practices addresses a broad range of Information and Communication Technology applications. Drawing on research conducted in the US and UK, this book presents the state of the art of various ebusiness processes, and examines BIM, virtual environments and mobile technologies. Innovation is a theme that runs throughout this book, so in addition to the direct impact of these new technical achievements, it also considers the management styles that helped them to emerge. Examples from industry are illustrated with case studies and presented alongside research from some of the best known academics in this field. This book is essential reading for all advanced students and researchers interested in how ICT is changing construction management and the construction industry.

HIGHER EDUCATION IN THE MIDDLE EAST AND NORTH AFRICA

EXPLORING REGIONAL AND COUNTRY SPECIFIC POTENTIALS

Springer This book explores the prospects for higher education development in the Middle East and North African (MENA) region. Adopting a South-South perspective (from the viewpoint of a developing country), it seeks to promote a deeper understanding of this colourful and highly diverse, yet volatile region. As such, it examines six selected MENA countries that serve as case studies for identifying the gaps and challenges as well as their potentials in terms of higher education development. Based on expert interviews and focus-group discussions with more than 85 individuals across the six countries and complemented by related facts and figures from both international and national documents, it presents an in-depth discussion and analysis of the countries' respective political, security, and economic situations. These serve as preconditions for the cultivation of an environment conducive to facilitating the advancement of higher education. It also provides a critical overview of higher education in these countries, notably in terms of the current national system, legislative framework, accreditation, quality assurance, recognition concerns, and other critical issues that enable and/or constrain the development of their respective higher education sectors, and that of the region, as a whole.

THE UNIVERSITY AND THE ECONOMY

PATHWAYS TO GROWTH AND ECONOMIC DEVELOPMENT

Edward Elgar Publishing This book provides readers with an in-depth understanding of the many ways in which universities contribute to economic development and growth. It demonstrates the causal interactions between universities activities and economic outcomes, and presents

DATA FOR THE PEOPLE

HOW TO MAKE OUR POST-PRIVACY ECONOMY WORK FOR YOU

Basic Books A long-time chief data scientist at Amazon shows how open data can make everyone, not just corporations, richer Every time we Google something, Facebook someone, Uber somewhere, or even just turn on a light, we create data that businesses collect and use to make decisions about us. In many ways this has improved our lives, yet, we as individuals do not benefit from this wealth of data as much as we could. Moreover, whether it is a bank evaluating our credit worthiness, an insurance company determining our risk level, or a potential employer deciding whether we get a job, it is likely that this data will be used against us rather than for us. In *Data for the People*, Andreas Weigend draws on his years as a consultant for commerce, education, healthcare, travel and finance companies to outline how Big Data can work better for all of us. As of today, how much we benefit from Big Data depends on how closely the interests of big companies align with our own. Too often, outdated standards of control and privacy force us into unfair contracts with data companies, but it doesn't have to be this way. Weigend makes a powerful argument that we need to take control of how our data is used to actually make it work for us. Only then can we the people get back more

from Big Data than we give it. Big Data is here to stay. Now is the time to find out how we can be empowered by it.

INTERNATIONAL ORGANIZATIONS AND THE IMPLEMENTATION OF THE RESPONSIBILITY TO PROTECT

THE HUMANITARIAN CRISIS IN SYRIA

Routledge This book seeks to understand the obligation of the international community to implement the principles of the Responsibility to Protect (R2P). With a focus on the humanitarian crisis in Syria, the volume examines what formal responsibility and actual capability international institutions have to protect and prevent civilians from systematic mass atrocities and presents an analysis of several prominent international organizations (IOs). Each chapter focuses on a specific organization and explores their formal responsibilities and how these pertain to the obligations of the R2P. Existing capabilities and actual abilities to address the challenges of R2P are analysed by looking at these issues before, during, and after the occurrence of the humanitarian crisis in Syria. With the UN not fully engaged in the Syrian conflict, the systematic human rights abuses have engendered greater attention on other organizations. This volume argues that if the UN Security Council's inactions result in an abdication of responsibilities under the UN Charter, there should not only be a discussion of how the UN must alter its approach, but also an examination of whether there are alternative R2P paths for other MNOs to take in the name of international peace and human security. This book will be of much interest to students of R2P, humanitarian intervention, international organisations, Middle Eastern politics and security studies.

FAILINGS OF THE INTERNATIONAL COURT OF JUSTICE

Oxford University Press Failings of the International Court of Justice critically examines the jurisprudence of the International Court of Justice. Even though the legal instrument that establishes the Court provides that its judgments have no formal precedential value, those judgments are treated as authoritative by international lawyers throughout the world. In this book, A. Mark Weisburd argues that the Court's decisions are, in a large minority of cases, poorly reasoned and doubtful as a matter of law, and therefore ought not to be accorded the deference they receive. The book seeks to demonstrate its thesis by a careful review of the Court's errors. It begins with an examination of the law that created and empowered the Court. It then describes the body of law upon which the Court was intended to base its decisions, and the mistakes in the arguments supporting the Court's drawing legal rules from other sources. The book goes on to analyze in detail cases in which the Court has made serious legal errors, first addressing procedural errors, then turning to mistakes in the application of substantive international law. The book closes with a quantitative summing up of the Court's performance, and a tentative explanation for its relatively disappointing record.

MATERIALS SCIENCE AND ENGINEERING: CONCEPTS, METHODOLOGIES, TOOLS, AND APPLICATIONS

CONCEPTS, METHODOLOGIES, TOOLS, AND APPLICATIONS

IGI Global The design and study of materials is a pivotal component to new discoveries in the various fields of science and technology. By better understanding the components and structures of materials, researchers can increase its applications across different industries. Materials Science and Engineering: Concepts, Methodologies, Tools, and Applications is a compendium of the latest academic material on investigations, technologies, and techniques pertaining to analyzing the synthesis and design of new materials. Through its broad and extensive coverage on a variety of crucial topics, such as nanomaterials, biomaterials, and relevant computational methods, this multi-volume work is an essential reference source for engineers, academics, researchers, students, professionals, and practitioners seeking innovative perspectives in the field of materials science and engineering.

BIOSIMILAR DRUG PRODUCT DEVELOPMENT

CRC Press When a biological drug patent expires, alternative biosimilar products are developed. The development of biosimilar products is complicated and involves numerous considerations and steps. The assessment of biosimilarity and interchangeability is also complicated and difficult. Biosimilar Drug Product Development presents current issues for the development of biosimilars and gives detailed reviews of its various stages and contributing factors as well as relevant regulatory pathways and pre- and post-approval issues.

SCHOLARLY COMMUNICATION AT THE CROSSROADS IN CHINA

Chandos Publishing Scholarly Communication at the Crossroads in China follows the dichotomy paradox to focus on both achievements and challenges at every step of the scholarly communication process, highlighting Insights and trends in academic infrastructure and scholarly behaviors within the context of local economic, political, and technological development. Since China adopted an open-door policy in the late 1970s, it has experienced a dramatic economic transformation. With a growth rate around 10% over the past three decades, China is now the second largest economy by nominal gross domestic product and by purchasing power parity in the world. Economic success has impelled restructurings in almost all aspects of the social and cultural settings. Among other changes, the new pursuits of education, research, and scholarship have redefined the academic community with its development across generations and ideologies. Provides a large picture of scholarly communication in China, with official data, interviews, and personal observations Includes the latest multidisciplinary information, covering education, library science, and information science Contains diverse formats, including charts and tables, with dichotomy examples Presents historical and contemporary coverage, analyzing data from 1978 onwards in a cultural, economic, social, and political context

Focuses on changes by taking readers through the complex process of scholarship transformation

KOENIG AND SCHULTZ'S DISASTER MEDICINE

COMPREHENSIVE PRINCIPLES AND PRACTICES

Cambridge University Press This is the definitive reference on disaster medicine, outlining areas of proficiency for health care professionals handling mass casualty crises.

NEW PERSPECTIVES ON CORPORATE SOCIAL RESPONSIBILITY

LOCATING THE MISSING LINK

Springer Providing a timely contribution to the ongoing questions surrounding topics which are by definition subject to varying stakeholder interpretations, this book addresses "the missing link" between theoretical CSR concepts and everyday management practice. It acts as a guide to awaken managers to the advantages of adopting a CSR "mindset" when developing sustainable business strategies. The book consists of three parts: 1) A theoretical realm which establishes the key concepts and rationale for the adoption of a sustainable CSR approach, 2) A practical realm which addresses putting CSR and sustainability into business practice, 3) An educational realm which proposes how to incorporate the concepts into teaching and training.

HUMAN RIGHTS AND EMERGING TECHNOLOGIES

ANALYSIS AND PERSPECTIVES IN EUROPE

CRC Press What is the state of current European governance on new and emerging technologies, and where is it going? What is, and what can be, the role of human rights in governance arrangements? These are the main questions that this book answers for both European and non-European scholars. It provides a wide picture of current European governance, notably in biotechnology, nanotechnology and synthetic biology, and discusses the model of Responsible Research and Innovation, which is gaining popularity within the European Union, under a human rights perspective. It shows how human rights can contribute to governance frameworks without posing obstacles to research and innovation. The theory presented in the book is followed by practical guidelines drawn from human rights law. Starting from the Strasbourg Court jurisprudence, it provides a complete review of the wide range of rights that the European Convention on Human Rights protects in light of the challenges of techno-scientific advances. This analysis will come in handy for private actors, policymakers, regulators, as well as judges in solving hard cases raised by techno-scientific progress in the future.

CLIMATE CHANGE AND CITIES

SECOND ASSESSMENT REPORT OF THE URBAN CLIMATE CHANGE RESEARCH NETWORK

Cambridge University Press The Urban Climate Change Research Network's Second Assessment Report on Climate Change in Cities (ARC3.2) is the second in a series of global, science-based reports to examine climate risk, adaptation, and mitigation efforts in cities. The book explicitly seeks to explore the implications of changing climatic conditions on critical urban physical and social infrastructure sectors and intersectoral concerns. The primary purpose of ARC3.2 is to inform the development and implementation of effective urban climate change policies, leveraging ongoing and planned investments for populations in cities of developing, emerging, and developed countries. This volume, like its predecessor, will be invaluable for a range of audiences involved with climate change and cities: mayors, city officials and policymakers; urban planners; policymakers charged with developing climate change mitigation and adaptation programs; and a broad spectrum of researchers and advanced students in the environmental sciences.

SHIFTING TO DIGITAL

A GUIDE TO ENGAGING, TEACHING, AND ASSESSING REMOTE LEARNERS (CREATE SYNCHRONOUS INSTRUCTION FOR STUDENT ENGAGEMENT AND ENRICHMENT)

Solution Tree Press Rely on *Shifting to Digital* to deliver clear and concise answers to all of your remote teaching questions. This comprehensive guide provides specific strategies for planning high-engagement instruction, handling technology, assessing collaboration and assignments, and more. You'll also gain access to a helpful list of digital tools, along with online-specific lessons and projects for various subjects. Learn how to engage and manage multiple students online at one time. Create effective lesson plans that incorporate synchronous and asynchronous instruction based on best-practice cooperative learning and project-based learning. Gauge students' executive function and increase their self-direction--a crucial part of online learning. Understand how to best teach and support English learners and students with special needs. Plan communications for students, parents, and guardians that address technology procedures, expectations, and privacy. Contents: Introduction Chapter 1: Technology Chapter 2: Instructional Planning Chapter 3: Document Handling Chapter 4: Mindful Engagement Chapter 5: Positive Interaction and Social-Emotional Learning Chapter 6: Feedback Chapter 7: Assessment Chapter 8: Students With Special Needs Chapter 9: Communication With Parents and Guardians Epilogue Appendix: Distance Learning Lesson and Project Designs References and Resources Index

RESEARCH FOR EDUCATIONAL CHANGE

TRANSFORMING RESEARCHERS' INSIGHTS INTO IMPROVEMENT IN MATHEMATICS TEACHING AND LEARNING

Routledge **Research for Educational Change** presents ways in which educational research can fulfil its commitments to educational practice. Focussing its discussion within the context of mathematics education, it argues that while research-generated insights can have beneficial effects on learning and teaching, the question of how these effects are to be generated and sustained is far from evident. The question of how to turn research into educational improvement is discussed here in the context of learning and teaching hindered by poverty and social injustice. In the first part of the book, four teams of researchers use different methodologies while analysing the same corpus of data, collected in a South African mathematics classroom. In the second part, each of these teams makes a specific proposal about what can be done and how so that its research-generated insights have a tangible, beneficial impact on what is happening in mathematical classrooms. Combining two discourses - that of researchers speaking to one another, and that of researchers communicating their insights to those responsible for educational practice - the book deals with the perennial question of communication between those who study educational processes and those who are directly responsible for teacher education, educational research and classroom practices. This book will be key reading for postgraduates, researchers and academics in education and particularly in the areas of mathematics education, education research, teacher education and classroom practice. It will also appeal to teacher educators, practitioners and undergraduate students interested in educational research.

OUTWARD FOREIGN DIRECT INVESTMENT IN ASEAN

Flipside Digital Content Company Inc. **The level of outward foreign direct investment (OFDI) flows from ASEAN countries has increased rapidly in past two decades. This book examines OFDI trends and patterns in the ASEAN region including the impact of the ASEAN Economic Community. It also provides analyses of country policies affecting OFDI and the drivers of OFDI in Indonesia, Malaysia, Singapore and Vietnam. Myanmar is studied as an investment frontier for other ASEAN countries.** "e;The dynamic economies of Southeast Asia have historically been very large recipients of foreign direct investment (FDI). As global capital markets have opened up, and these economies have developed their technological and commercial capabilities, in more recent years Southeast Asia has emerged as a significant source of outward FDI both within the region and beyond. This important volume, by a group of leading regional scholars, offers a timely, comprehensive, accessible and authoritative analysis of this phenomenon."e;-Hal Hill, H.W. Arndt Professor of Southeast Asian Economies, Arndt-Corden Department of Economics, Crawford School of Public Policy, Australian National University"e;A timely, rich and comprehensive study filling a major gap in the literature on the increasingly important phenomenon of foreign investment flowing out from regions including developing and middle-income countries."e; -Luke Nottage, Professor of Comparative and Transnational Business Law; Associate Director, Centre for Asian and Pacific Law at the University of Sydney

NON-BIOLOGICAL COMPLEX DRUGS

THE SCIENCE AND THE REGULATORY LANDSCAPE

Springer **The rise of bio- and nano-technology in the last decades has led to the emergence of a new and unique type of medicine known as non-biological complex drugs (NBCDs). This book illustrates the challenges associated with NBCD development, as well as the complexity of assessing the effects of manufacturing changes on innovator and follow-on batches of NBCDs. It also touches upon proven marketing authorization requirements for biosimilars that could be effective in evaluating follow-on NBCDs, including a demonstration of control over the manufacturing process and a need for detailed physico-chemical characterization and (pre)clinical tests. This book is meant to be used for years to come as a standard reference work for the development of NBCDs. Moreover, this book aims to stimulate discussions and further our thinking to ensure that decisions regarding the approval of complex drugs are made with relevant scientific data on the table.**

THE IDEAS INDUSTRY

HOW PESSIMISTS, PARTISANS, AND PLUTOCRATS ARE TRANSFORMING THE MARKETPLACE OF IDEAS

Oxford University Press **The public intellectual, as a person and ideal, has a long and storied history. Writing in venues like the *New Republic* and *Commentary*, such intellectuals were always expected to opine on a broad array of topics, from foreign policy to literature to economics. Yet in recent years a new kind of thinker has supplanted that archetype: the thought leader. Equipped with one big idea, thought leaders focus their energies on TED talks rather than highbrow periodicals. How did this shift happen? In *The Ideas Industry*, Daniel W. Drezner points to the roles of political polarization, heightened inequality, and eroding trust in authority as ushering in the change. In contrast to public intellectuals, thought leaders gain fame as single-idea merchants. Their ideas are often laudable and highly ambitious: ending global poverty by 2025, for example. But instead of a class composed of university professors and freelance intellectuals debating in highbrow magazines, thought leaders often work through institutions that are closed to the public. They are more immune to criticism--and in this century, the criticism of public intellectuals also counts for less. Three equally important factors that have reshaped the world of ideas have been waning trust in expertise, increasing political polarization and plutocracy. The erosion of trust has lowered the barriers to entry in the marketplace of ideas. Thought leaders don't need doctorates or fellowships to advance their arguments. Polarization is**

hardly a new phenomenon in the world of ideas, but in contrast to their predecessors, today's intellectuals are more likely to enjoy the support of ideologically friendly private funders and be housed in ideologically-driven think tanks. Increasing inequality as a key driver of this shift: more than ever before, contemporary plutocrats fund intellectuals and idea factories that generate arguments that align with their own. But, while there are certainly some downsides to the contemporary ideas industry, Drezner argues that it is very good at broadcasting ideas widely and reaching large audiences of people hungry for new thinking. Both fair-minded and trenchant, *The Ideas Industry* will reshape our understanding of contemporary public intellectual life in America and the West.

UNDERSTANDING HUMAN INFORMATION BEHAVIOR

WHEN, HOW, AND WHY PEOPLE INTERACT WITH INFORMATION

Rowman & Littlefield This introductory textbook for undergraduate students in information science, information studies, computer science, and related disciplines provides an applied grounding in information behavior. The book positions information behavior as a foundational element undergirding all of the information and computer science disciplines and professions

KNOWLEDGE, POLITICS AND POLICYMAKING IN INDONESIA

Springer This edited volume examines key questions about evidence-informed policymaking in Indonesia. It draws on insights and evidence acquired through the implementation of the Knowledge Sector Initiative, a donor-funded programme that aims to increase the demand for and use of evidence in policymaking in Indonesia. Featuring contributions from academics, policy researchers, policymakers and development practitioners, the volume will deepen readers' understanding of how knowledge and politics shape the policymaking process in Indonesia. As such, it will be of interest to Indonesian and international researchers, academics, students, practitioners and policymakers concerned with various aspects of evidence-informed policymaking research and processes. In particular, regional and international development practitioners and development partners interested in learning from Indonesia's efforts to improve how evidence is used to address key development challenges will find this volume valuable.

DISCOVER SOCIOLOGY: CORE CONCEPTS

SAGE Publications *Discover Sociology: Core Concepts* explores sociology as a discipline of curious minds, with the theoretical, conceptual, and empirical tools needed to understand, analyze, and even change the world—all in a more streamlined format. It is adapted from *Discover Sociology, Third Edition* and offers in-depth coverage of 12 high-priority topics that are at the core of almost all introductory sociology courses. *Core Concepts* maintains its reader-friendly narrative and the hallmark themes of the parent book, including the unequal distribution of power in society ("Inequality Matters"), the sociological imagination ("Private Lives, Public Issues"), and career skills ("What Can I Do With a Sociology Degree?"). A new feature, "Discover and Debate," shows students how to take effective, evidence-based positions on important social issues, and how to argue in a respectful manner that recognizes the value of different perspectives. Also available as a digital option (courseware). Contact your rep to learn more about *Discover Sociology: Core Concepts - Vantage Digital Option*.

TECHNOLOGY FOR TRANSFORMATION

PERSPECTIVES OF HOPE IN THE DIGITAL AGE

IAP This book serves as a platform for educators and researchers to unite educational technology and social justice. While educational technology is a rapidly changing and progressive field of research and practice, it remains largely separate from education for social justice. Current literature about educational technology is often approached from a technical, how-to perspective that emphasizes ways to implement technology into the classroom. Technology is often viewed as inevitable, yet neutral and value-free. Educational technology, however, is anything but neutral. The contributors collectively advance a hopeful discourse by exploring the potential of technology as a vehicle to transform and emancipate, while not forgoing a critically reflective measure of self-conscious critique of our own role as educators, students, or scholars in oppressive silences, constraints and conditions. This edited collection makes an important and unique contribution to the field, as it will be the first published volume to detail research, theory, and practice regarding student use of technology in achieving liberatory aims since IAP's 2009 publication, *ICT for Education, Development and Social Justice*. The fields of educational technology and social justice are vast and applicable in many domains, including teacher education, graduate programs, and K-12 education. This work is intended to appeal to a diverse academic and professional audience of K-12 teachers, teacher educators, educational technology and social justice scholars, and policy makers. Scholars and academics instructing graduate-level educational technology courses can reference this edited collection as the most current text on socially just educational technology. Educational practitioners from teacher education programs and the K-12 sector may use this book as a source of ideas and inspiration to incorporate student use of technology toward emancipatory aims. This title could be adopted as a course text for both undergraduate and graduate education courses in: media literacy, digital literacy, distance education, education for social justice, and teacher preparation, and educational technology courses. Readers will also be able to use the book as a guide when critically analyzing their own professional practice, whether it is in research, working with K-12 students, or preparing future educators or scholars.

THE BEHAVIORAL SCIENCE OF FIREARMS

A MENTAL HEALTH PERSPECTIVE ON GUNS, SUICIDE, AND VIOLENCE

Oxford University Press, USA "This book focuses on how the principles and empirical knowledge within behavioral science can inform and improve firearm-related policy, practice, and research. It features a formal framework for the assessment of civilians seeking firearms permits, reinstatement of their firearms subsequent to revocation, and considerations for relevant others"--

TECHNOLOGICAL INNOVATION IN LEGACY SECTORS

Oxford University Press The American economy faces two deep problems: expanding innovation and raising the rate of quality job creation. Both have roots in a neglected problem: the resistance of Legacy economic sectors to innovation. While the U.S. has focused its policies on breakthrough innovations to create new economic frontiers like information technology and biotechnology, most of its economy is locked into Legacy sectors defended by technological/ economic/ political/ social paradigms that block competition from disruptive innovations that could challenge their models. Americans like to build technology "covered wagons" and take them "out west" to open new innovation frontiers; we don't head our wagons "back east" to bring innovation to our Legacy sectors. By failing to do so, the economy misses a major opportunity for innovation, which is the bedrock of U.S. competitiveness and its standard of living. Technological Innovation in Legacy Sectors uses a new, unifying conceptual framework to identify the shared features underlying structural obstacles to innovation in major Legacy sectors: energy, air and auto transport, the electric power grid, buildings, manufacturing, agriculture, health care delivery and higher education, and develops approaches to understand and transform them. It finds both strengths and obstacles to innovation in the national innovation environments - a new concept that combines the innovation system and the broader innovation context - for a group of Asian and European economies. Manufacturing is a major Legacy sector that presents a particular challenge because it is a critical stage in the innovation process. By increasingly offshoring production, the U.S. is losing important parts of its innovation capacity. "Innovate here, produce here," where the U.S. took all the gains of its strong innovation system at every stage, is being replaced by "innovate here, produce there," which threatens to lead to "produce there, innovate there." To bring innovation to Legacy sectors, authors William Bonvillian and Charles Weiss recommend that policymakers focus on all stages of innovation from research through implementation. They should fill institutional gaps in the innovation system and take measures to address structural obstacles to needed disruptive innovations. In the specific case of advanced manufacturing, the production ecosystem can be recreated to reverse "jobless innovation" and add manufacturing-led innovation to the U.S.'s still-strong, research-oriented innovation system.

ENGINEERING TECHNOLOGY EDUCATION IN THE UNITED STATES

National Academies Press The vitality of the innovation economy in the United States depends on the availability of a highly educated technical workforce. A key component of this workforce consists of engineers, engineering technicians, and engineering technologists. However, unlike the much better-known field of engineering, engineering technology (ET) is unfamiliar to most Americans and goes unmentioned in most policy discussions about the US technical workforce. Engineering Technology Education in the United States seeks to shed light on the status, role, and needs of ET education in the United States.

REDUCING FUEL CONSUMPTION AND GREENHOUSE GAS EMISSIONS OF MEDIUM- AND HEAVY-DUTY VEHICLES, PHASE TWO

FINAL REPORT

National Academies Press Medium- and heavy-duty trucks, motor coaches, and transit buses - collectively, "medium- and heavy-duty vehicles", or MHDVs - are used in every sector of the economy. The fuel consumption and greenhouse gas emissions of MHDVs have become a focus of legislative and regulatory action in the past few years. This study is a follow-on to the National Research Council's 2010 report, Technologies and Approaches to Reducing the Fuel Consumption of Medium-and Heavy-Duty Vehicles. That report provided a series of findings and recommendations on the development of regulations for reducing fuel consumption of MHDVs. On September 15, 2011, NHTSA and EPA finalized joint Phase I rules to establish a comprehensive Heavy-Duty National Program to reduce greenhouse gas emissions and fuel consumption for on-road medium- and heavy-duty vehicles. As NHTSA and EPA began working on a second round of standards, the National Academies issued another report, Reducing the Fuel Consumption and Greenhouse Gas Emissions of Medium- and Heavy-Duty Vehicles, Phase Two: First Report, providing recommendations for the Phase II standards. This third and final report focuses on a possible third phase of regulations to be promulgated by these agencies in the next decade.