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KEY=TOOLS - DYER MORENO

Research Exposed

How Empirical Social Science Gets Done in the Digital Age

Columbia University Press **The era of digital communication provides endless opportunities for the collection and analysis of social data in novel ways. It also presents new and unanticipated challenges, as researchers are often inventing elements of their methodologies on the fly or studying a phenomenon or media platform for the first time. Research Exposed offers in-depth, behind-the-scenes accounts of doing empirical social science in this new paradigm. Through firsthand descriptions of innovative research projects, it shares lessons learned from over a dozen scholars' cutting-edge work. These candid accounts describe what can go wrong when pioneering new genres of research and how such difficulties can be overcome, giving both big-picture reflection and actionable advice. The chapters discuss a variety of methods, ranging from the completely novel to the use of more traditional approaches in the digital context, and cover research questions relevant to a range of disciplines, including sociology, political science, communication, information studies, and anthropology. By focusing attention on the concrete details seldom discussed in final project write-ups or traditional research guides, Research Exposed helps equip junior and senior scholars alike with essential information that is all too often left with no outlet for sharing. It offers important insights into how empirical social science research can be both innovative and rigorous when dealing with the opportunities and challenges presented by digital media.**

Bit by Bit

Social Research in the Digital Age

Princeton University Press **An innovative and accessible guide to doing social research in the digital age The rapid spread of social media, smartphones, and other digital wonders enables us to collect and process data about human behavior on a scale never before imaginable, offering entirely new approaches to core questions about social behavior. Bit by Bit is the key to unlocking these powerful methods. In this authoritative and accessible book, Matthew Salganik explains how the digital revolution is transforming the way social scientists observe behavior, ask questions, run experiments, and engage in mass collaborations. Featuring a wealth of real-world examples and invaluable advice on how to tackle the thorniest ethical challenges, Bit by Bit is the essential guide to doing social research in this fast-evolving digital age.**

Social Ecology in the Digital Age

Solving Complex Problems in a Globalized World

Academic Press **Social Ecology in the Digital Age: Solving Complex Problems in a Globalized World provides a comprehensive overview of social ecological theory, research, and practice. Written by renowned expert Daniel Stokols, the book distills key principles from diverse strands of ecological science, offering a robust framework for transdisciplinary research and societal problem-solving. The existential challenges of the 21st Century - global climate change and climate-change denial, environmental pollution, biodiversity loss, food insecurity, disease pandemics, inter-ethnic violence and the threat of nuclear war, cybercrime, the Digital Divide, and extreme poverty and income inequality confronting billions each day - cannot be understood and managed adequately from narrow disciplinary or political perspectives. Social Ecology in the Digital Age is grounded in scientific research but written in a personal and informal style from the vantage point of a former student, current teacher and scholar who has contributed over four decades to the field of social ecology. The book will be of interest to scholars, students, educators, government leaders and community practitioners working in several fields including social and human ecology, psychology, sociology, anthropology, criminology, law, education, biology, medicine, public health, earth system and sustainability science, geography, environmental design, urban planning, informatics, public policy and global governance. Winner of the 2018 Gerald L. Young Book Award from The Society for Human Ecology "Exemplifying the highest standards of scholarly work in the field of human ecology." https://societyforhumanecology.org/human-ecology-homepage/awards/gerald-l-young-book-award-in-human-ecology/ The book traces historical origins and conceptual foundations of biological, human, and social ecology Offers a new conceptual framework that brings together earlier approaches to social ecology and extends them in novel directions Highlights the interrelations between four distinct but closely intertwined spheres of human environments: our natural, built, sociocultural, and virtual (cyber-based) surroundings Spans local to global scales and individual, organizational, community, regional, and global levels of analysis Applies core principles of social ecology to identify multi-level strategies for promoting personal and public health, resolving complex social problems, managing global environmental change, and creating resilient and sustainable communities Underscores social ecology's vital importance for understanding and managing the environmental and political upheavals of the 21st Century Highlights descriptive, analytic, and transformative (or moral) concerns of social ecology Presents strategies for educating the next generation of social ecologists emphasizing transdisciplinary, team-based, translational, and transcultural approaches**

Web Social Science

Concepts, Data and Tools for Social Scientists in the Digital Age

SAGE **"Although written simply enough to be accessible to undergraduates, accomplished scholars are likely to appreciate it too. Reading it taught me quite a lot about a subject I thought I knew rather well." - Paul Vogt, Illinois State University "This book brings the art and science of building and applying innovative online research tools to students and faculty across the social sciences." - William H. Dutton, University of Oxford A comprehensive guide to the theory and practice of web Social Science. This book demonstrates how the web is being used to collect social research data, such as online surveys and interviews, as well as digital trace data from social media environments, such as Facebook and Twitter. It also illuminates how the advent of the web has led to traditional social science concepts and approaches being combined with those from other scientific disciplines, leading to new insights into social, political and economic behaviour. Situating social sciences in the digital age, this book aids: understanding of the fundamental changes to society, politics and the economy that have resulted from the advent of the web choice of appropriate data, tools and research methods for conducting research using web data learning how web data are providing new insights into long-standing social science research questions appreciation of how social science can facilitate an understanding of life in the digital age It is ideal for students and researchers across the social sciences, as well as those from information science, computer science and engineering who want to learn about how social scientists are thinking about and researching the web.**

Developing Minds in the Digital Age

Integrated Science in Digital Age 2020

<u>Springer Nature</u> **This book presents the proceedings of the 2020 International Conference on Integrated Science in Digital Age, which was jointly supported by the Institute of Certified Specialists (Russia) and Springer, and was held on May 1–3, 2020. The conference provided an international forum for researchers and practitioners to present and discuss the latest innovations, trends, results, experiences and concerns in the various areas of integrated science in the digital age. The main goal of the conference was to efficiently disseminate original findings in the natural and social sciences, covering topics such as blockchain & cryptocurrency; computer law & security; digital accounting & auditing; digital business & finance; digital economics; digital education; digital engineering; machine learning; smart cities in the digital age; health policy & management; and information management.**

Citizen Science in the Digital Age

Rhetoric, Science, and Public Engagement

<u>University of Alabama Press</u> **In Citizen Science in the Digital Age, James Wynn examines the benefits and pitfalls of citizen science--scientific undertakings that make use of public participation and crowd-sourced data collection.**

Integrated Science in Digital Age

ICIS 2019

<u>Springer</u> **This book gathers selected papers presented at the 2019 International Conference on Integrated Science in Digital Age (ICIS 2019), which was jointly supported by the Institute of Certified Specialists (ICS), Russia and Springer and held in Batumi, Georgia on May 10–12, 2019. The ICIS 2019 received roughly 50 contributions, by authors hailing from six countries. Following a peer-review process, the Scientific Committee – a multidisciplinary group of 110 experts from 38 countries around the globe – selected roughly 60% for publication. The main topics covered include: Artificial Intelligence Research; Digital Business & Finance; Educational Sciences; Health Management Informatics; Public Administration in the Digital Age; and Social Problem-solving.**

Research Ethics in the Digital Age

Ethics for the Social Sciences and Humanities in Times of Mediatization and Digitization

<u>Springer VS</u> **The book discusses the multiple issues of a digital research ethic in its interdisciplinary diversity. Digitization and mediatization alter social behavior and cultural traditions, thereby generating new objects of study and new research questions for the social sciences and humanities. Furthermore, mediatization and digitization increase the data volume and accessibility of (quantitative) research and proliferate methodological opportunities for scientific analyses. Hence, they profoundly affect research practices in multiple ways. While consequences concerning the subjects, objects, and addressees of research in the social sciences and humanities have rarely been reflected upon, this**

reflection lies at the center of the book.

Science and the Internet

Communicating Knowledge in a Digital Age

Routledge **First Published in 2017. Routledge is an imprint of Taylor and Francis, an Informa company.**

Society on the Line

Information Politics in the Digital Age

Oxford University Press on Demand **More we understand the drivers for change, the more we can influence the information handling culture which is emerging.**

Web Social Science

Concepts, Data and Tools for Social Scientists in the Digital Age

SAGE Publications Limited **'Although written simply enough to be accessible to undergraduates, accomplished scholars are likely to appreciate it too. Reading it taught me quite a lot about a subject I thought I knew rather well. ' - Paul Vogt, Emeritus Professor, Illinois State University 'This book brings the art and science of building and applying innovative online research tools to students and faculty across the social sciences.' - Professor William H. Dutton, Oxford Internet Institute, University of Oxford A comprehensive guide to the theory and practice of web Social Science. This book demonstrates how the web is being used to collect social research data, such as online surveys and interviews, as well as digital trace data from social media environments, such as Facebook and Twitter. It also illuminates how the advent of the web has led to traditional social science concepts and approaches being combined with those from other scientific disciplines, leading to new insights into social, political and economic behaviour. Situating social sciences in the digital age, this book aids: understanding of the fundamental changes to society, politics and the economy that have resulted from the advent of the web choice of appropriate data, tools and research methods for conducting research using web data learning how web data are providing new insights into long-standing social science research questions appreciation of how social science can facilitate an understanding of life in the digital age It is ideal for students and researchers across the social sciences, as well as those from information science, computer science and engineering who want to learn about how social scientists are thinking about and researching the web.**

Issues for Science and Engineering Researchers in the Digital Age

National Academies Press **This guide for students and faculty discusses opportunities and implications of conducting research in a digital environment.**

Cultural Evolution in the Digital Age

Oxford University Press, USA **From emails to social media, from instant messaging to political memes, the way we produce and transmit culture is radically changing. Understanding the consequences of the massive diffusion of digital media is of the utmost importance, both from the intellectual and the social point of view. 'Cultural Evolution in the Digital Age' proposes that a specific discipline - cultural evolution - provides an excellent framework to analyse our digital age. Cultural evolution is a vibrant, interdisciplinary, and increasingly productive scientific framework that aims to provide a naturalistic and quantitative explanation of culture. In the book the author shows how cultural evolution offers both a sophisticated view of human behaviour, grounded in cognitive science and evolutionary theory, and a strong quantitative and experimental methodology. The book examines in**

depth various topics that directly originate from the application of cultural evolution research to digital media. Is online social influence radically different from previous forms of social influence? Do digital media amplify the effects of popularity and celebrity influence? What are the psychological forces that favour the spread of online misinformation? What are the effects of the hyper-availability of information online on cultural cumulation? The cultural evolutionary perspective provides novel insights, and a relatively encouraging take on the overall effects of our online activities on our culture. Cultural Evolution is an area of rapidly growing interest, and this timely book will be important reading for students and researchers in the fields of psychology, anthropology, cognitive science, and the media.

Risk Communication and Infectious Diseases in an Age of Digital Media

Taylor & Francis **In a digital world where the public's voice is growing increasingly strong, how can health experts best exert influence to contain the global spread of infectious diseases? Digital media sites provide an important source of health information, however are also powerful platforms for the public to air personal experiences and concerns. This has led to a growing phenomenon of civil skepticism towards health issues including Emerging Infectious Diseases and epidemics. Following the shift in the role of the public from recipients to a vocal entity, this book explores the different organizational strategies for communicating public health information and identifies common misconceptions that can inhibit effective communication with the public. Drawing on original research and a range of global case studies, this timely volume offers an important assessment of the complex dynamics at play in managing risk and informing public health decisions. Providing thought-provoking analysis of the implications for future health communication policy and practice, this book is primarily suitable for academics and graduate students interested in understanding how public health communication has changed. It may also be useful to health care professionals.**

The Psychology of Technology

Social Science Research in the Age of Big Data

American Psychological Association (APA) **The rapid advancements in technology, and our increasing interaction with it, have key implications for the field of psychology. The Psychology of Technology brings together research from different subdisciplines across psychology to address the ways in which technology and Big Data are changing how psychological research is conducted. It also examines how technology allows us to better understand human psychology. This text showcases cutting-edge research at the intersection of psychology and technology to provide an outlook into the future of psychological research in a tech-enabled world. The growing capabilities and reach of technology show no signs of abating, so it is critically important that psychology understand it and harness it effectively and ethically. Chapters offer fascinating and novel insights about the human condition using digital technologies as a window into human psychology, highlight the opportunities and challenges people face interacting with digital tech, and address the consequences of technology for individuals and societies. The intricacies of human-machine interaction, analyses of digital footprints, and "big data" approaches are investigated in detail.**

How's Life in the Digital Age?

Opportunities and Risks of the Digital Transformation for People's Well-being

This report documents how the ongoing digital transformation is affecting people's lives across the 11 key dimensions that make up the How's Life? Well-being Framework (Income and wealth, Jobs and earnings, Housing, Health status, Education and skills, Work-life balance, Civic engagement and governance, Social connections, Environmental quality, Personal security, and Subjective well-being). A summary of existing studies highlights 39 key impacts of the digital transformation on people's well-being. The review shows that these impacts can be positive as digital technologies expand the boundaries of information availability and enhance human productivity, but can also imply risks for people's well-being, ranging from cyber-bullying to the emergence of disinformation or cyber-hacking. In sum, making digitalisation work for people's well-being would require building equal digital opportunities, widespread digital literacy and strong digital security. Continued research and efforts in improving statistical frameworks will be needed to expand our knowledge on the many topics covered in this report.

Practical Management for the Digital Age

An Introduction for Engineers, Scientists, and Other Disciplines

<u>CRC Press</u> **Practical Management for the Digital Age is an innovative introductory management textbook that shows the sweeping impact of information technology on the business world. At the same time, it addresses the pressing issue of how environmental aspects are interwoven with management decisions. This book forms an academically rigorous, accurate, and accessible first exposure to a topic that often challenges novices with competing definitions, inconsistent use of terminology, methodological variety, and conceptual fuzziness. It has been written for readers with little or no prior knowledge of management and is compact enough to be read cover-to-cover over the course of a semester. Features of this book: Provides a broad, self-contained treatment of management for those without prior knowledge of management or commerce, emphasizing core ideas that every manager should know. Establishes the context of modern management by characterizing the nature of the private enterprise, the economic theory of the firm, the economics of digitalization and automation, processes of innovation, and life cycle thinking. Introduces readers to various activities of managing, including business modeling, new business formation, operations management, managing people, marketing, and the management of quality and risk. Provides practical introductions to broadly applied management techniques, including financial planning, financial analysis, evaluating flows of money, and planning and monitoring projects. This book is aimed at a wide range of undergraduate and postgraduate students in a variety of disciplines, as well as practitioners. It will be especially useful to those in the fields of engineering, science, computer science, medicine, pharmacy, social sciences, and more. It will help student readers engage confidently with project work in the final parts of their degree courses and, most importantly, with managerial situations later in their careers. For instructors, who may not have a management background, this book offers content for a self-contained year-long course in management at the intermediate undergraduate level. In addition, it has been developed for undergraduate and postgraduate courses with accreditation requirements that include a taught element in management, such as the UK Engineering Council's Accreditation of Higher Education (AHEP) framework.**

Archives in the Digital Age

Standards, Policies and Tools

<u>Chandos Publishing</u> **Archives in the Digital Age: Standards, Policies and Tools discusses semantic web technologies and their increased usage in distributing archival material. The book is a useful manual for archivists and information specialists working in cultural heritage institutions, including archives, libraries, and museums, providing detailed analyses of how metadata and standards are used to manage archival material, and how this material is disseminated through the web using the Internet, the semantic web, and social media technologies. Following an introduction from the author, the book is divided into five sections that explore archival description, digitization, the preservation of archives, the promotion of archival material through social media, and current trends in archival science. Addresses the most important issues within the archival community, covering current trends and the future of archival science Presents an original perspective on the use of social media by archival institutions Provides innovative, interdisciplinary research that incorporates archives and information management Discusses the dissemination of archival material using semantic web technologies**

Social Classes in the Digital Age

Kick-off : Workshop Summary Report

The DIGCLASS project was born out of the increasing concern in Europe about the implications of the digital revolution for social inequalities and democratic processes. The objective is to provide a better understanding of how digital technologies alter the mechanisms that generate inequalities in the distribution of resources and life chances, which is crucial for social policies to respond to the challenges of the digital revolution. DIGCLASS is hosted in the Centre for Advanced Studies (CAS) of the Joint Research Centre (JRC) at the

European Commission. The JRC is the Commission's Directorate-General for science and knowledge production. It informs and supports EU policies with independent research throughout the whole policy cycle. The CAS aims to enhance the JRC's capabilities to better understand and address the complex and long-term scientific and societal challenges that are currently facing the EU. The CAS is a strategic JRC programme under the Scientific Development unit and collaborates closely with other units within the JRC, in this case the unit on Human Capital & Employment.

Ensuring the Integrity, Accessibility, and Stewardship of Research Data in the Digital Age

National Academies Press **As digital technologies are expanding the power and reach of research, they are also raising complex issues. These include complications in ensuring the validity of research data; standards that do not keep pace with the high rate of innovation; restrictions on data sharing that reduce the ability of researchers to verify results and build on previous research; and huge increases in the amount of data being generated, creating severe challenges in preserving that data for long-term use. Ensuring the Integrity, Accessibility, and Stewardship of Research Data in the Digital Age examines the consequences of the changes affecting research data with respect to three issues - integrity, accessibility, and stewardship-and finds a need for a new approach to the design and the management of research projects. The report recommends that all researchers receive appropriate training in the management of research data, and calls on researchers to make all research data, methods, and other information underlying results publicly accessible in a timely manner. The book also sees the stewardship of research data as a critical long-term task for the research enterprise and its stakeholders. Individual researchers, research institutions, research sponsors, professional societies, and journals involved in scientific, engineering, and medical research will find this book an essential guide to the principles affecting research data in the digital age.**

Trends, Discovery, and People in the Digital Age

Elsevier **Digital information is a constantly developing field. The first title in the Chandos Digital Information Review series, Trends, Discovery, and People in the Digital Age, summarises and presents key themes, advances and trends in all aspects of digital information today, exploring the impact of developing technologies on the information world. This book emphasises important contemporary topics and future developments from a global perspective. Dynamic contents by leaders in the field respond to what is happening in the field of digital information literacy, and anticipate future developments. Topics include: the future of digital information provision; Enquire; cloud computing; building an information landscape; e-books and journals in a changing digital landscape; discovering resources; citizens and digital information; data-management; community usage patterns of scientific information; software citations; the future of data curation; JISC; Skills Portal; the future information professional; university library and information services; academic libraries and their future; and impediments to new library futures. Covers major aspects of contemporary digital information provision Provides practical advice Structured so that each chapter stands alone while contributing to a coherent overall text**

Student Guide to Research in the Digital Age

How to Locate and Evaluate Information Sources

Libraries Unlimited **One of the most perplexing aspects of research today is what to do when there's too much information on a topic. The key, says Leslie Stebbins, is to know how to find the most promising information, evaluate it, and use it effectively. Individual chapters provide a step-by-step introduction to research and critical evaluation and specific types of information resources, as well as guidance on such skills as note-taking and referencing. Students and librarians alike will benefit from these suggestions, strategies and straightforward examples for developing good filtering instincts and management of search results.**

Under the Banner of Science

Erasmus Darwin and His Age

Manchester University Press

Keywords in Radical Philosophy and Education

Common Concepts for Contemporary Movements

BRILL **In this field-defining work edited by educational theorist and political organizer Derek R. Ford, emerging and leading activists, organizers, and scholars assemble a collective body of concepts to interrogate, provoke, and mobilize contemporary political, economic, and social struggles.**

Cross-Cultural Perspectives on Technology-Enhanced Language Learning

IGI Global **The ability to effectively communicate with individuals from different linguistic and cultural backgrounds is an invaluable asset. Learning a second language proves useful as students navigate the culturally diverse world; however, studying a second language can be difficult for learners who are not immersed in the real and natural environment of the foreign language. Also, changes in education and advancements in information and communication technologies pose a number of challenges for implementing and maintaining sound practices within technology-enhanced language learning (TELL). Cross-Cultural Perspectives on Technology-Enhanced Language Learning provides information on educational technologies that enable language learners to have access to authentic and useful language resources. Readers will explore themes such as language pedagogy, how specific and universal cultural contexts influence audio-visual media used in technology-enhanced language learning (TELL), and the use of English video games to promote foreign language learning. This book is a valuable resource for academicians, education practitioners, advanced-level students, and school administrators seeking to improve language learning through technology-based resources.**

The Art and Science of Social Research

First Edition

W. W. Norton & Company **Written by a team of internationally renowned sociologists with experience in both the field and the classroom, The Art and Science of Social Research offers authoritative and balanced coverage of the full range of methods used to study the social world. The authors highlight the challenges of investigating the unpredictable topic of human lives while providing insights into what really happens in the field, the laboratory, and the survey call center.**

Gen Z, Explained

The Art of Living in a Digital Age

University of Chicago Press **"Our newest generation, Generation Z, or Zoomers, are coming of age in a world rife with amazing new opportunities and unprecedented challenges. Born around the time the World Wide Web made its public debut in 1995, they are "digital natives," the first generation never to know the world without the Internet. They have grown up**

alongside powerful global networks that offer endless information and connectivity. They have also had the clear realization that their elders know no better than they do how to navigate ongoing crises; that they and their planet have been badly betrayed by decisions which preceded them. In Gen Z, Explained, a team of social scientists set out to take a comprehensive look at this generation, drawing on wide and lively interviews, surveys, and comprehensive linguistic analysis (deploying the authors' proprietary iGen Corpus, a 70-million word collection of Gen-Z-specific English language scraped from social media, time-aligned video transcriptions, and memes). It paints a portrait of an extraordinarily challenged, thoughtful, and promising generation--while sounding a warning to their elders. The authors show that despite all the seemingly insurmountable difficulties they face, this generation continues to be idealistic about the future and highly motivated to make change"--

The Digital Coloniality of Power

Epistemic Disobedience in the Social Sciences and the Legitimacy of the Digital Age

Lexington Books **This book makes trouble: it explores the reality that digital culture is largely an extension of an older coloniality of power of the global north. It suggests a line of inquiry for the social sciences to reflect on their own imperial role and develop a contemporary critical and pragmatic scope, shifting their gaze from problems to opportunities.**

Sociological Theory in the Digital Age

Focusing on practical or 'usable theory,' it surveys the challenges and opportunities of conducting social science in the information age, as well as the theoretical solutions that sociologists have developed and applied over the last two decades. With specific attention to three theoretical approaches in digital social research - critical theory, forensic theory and Bourdieusian theory - the author provides an overview of the history and main tenets of each, surveys its use in sociological research, and evaluates its successes and limitations. .

Integrated Science in Digital Age 2020

Springer **This book presents the proceedings of the 2020 International Conference on Integrated Science in Digital Age, which was jointly supported by the Institute of Certified Specialists (Russia) and Springer, and was held on May 1–3, 2020. The conference provided an international forum for researchers and practitioners to present and discuss the latest innovations, trends, results, experiences and concerns in the various areas of integrated science in the digital age. The main goal of the conference was to efficiently disseminate original findings in the natural and social sciences, covering topics such as blockchain & cryptocurrency; computer law & security; digital accounting & auditing; digital business & finance; digital economics; digital education; digital engineering; machine learning; smart cities in the digital age; health policy & management; and information management.**

Driving Science Information Discovery in the Digital Age

Chandos Publishing **New digital technologies have transformed how scientific information is created, disseminated—and discovered. The emergence of new forms of scientific publishing based on open science and open access have caused a major shift in scientific communication and a restructuring of the flow of information. Specialized indexing services and search engines are trying to get into information seekers' minds to understand what users are actually looking for when typing all these keywords or drawing chemical structures. Using artificial intelligence (AI), machine learning, and semantic indexing, these "discovery agents" are trying to anticipate users' information needs. In this highly competitive environment, authors should not sit and rely only on publishers, search engines, and indexing services to make their works visible. They need to communicate about their research and reach out to a larger audience. Driving Science Information Discovery in the Digital Age looks through the "eyes" of the main "players" in this "game" and examines the discovery of scientific information from three different, but intertwined, perspectives: Discovering, managing, and using information (Information seeker perspective) Publishing, disseminating, and making information discoverable (Publisher perspective) Creating, spreading, and promoting information (Author perspective). Presents an overview of the current scientific publishing landscape Shows how users can search for scientific information more efficiently Critically analyses the metrics used to measure the quality of journals and the impact of research Looks at the discovery of scientific information from the perspectives of information seekers, publishers, and authors Delves into the practices**

used by specialized indexing services and search engines to process scientific information and make it discoverable Recommends strategies that authors could use to promote their research.

Methodological Practices in Social Movement Research

<u>Oxford University Press, USA</u> **Social movement studies have grown enormously in the last few decades, spreading from sociology and political science to other fields of knowledge, as varied as geography, history, anthropology, psychology, economics, law and others. With the growing interest in the field, there has been also an increasing need for methodological guidance for empirical research. This volume aims at addressing this need by introducing main methods of data collection and dataanalysis as they have been used in past research on social movements. The book emphasises a practical approach, presenting in each chapter specific discussions on the main steps of research using a certain method; from research design to data collection and the use of information. Indoing so, dilemmas and choices are presented, and illustrated within chapters following the same systemic approach.**

Proceeding of the International Science and Technology Conference "FarEastCon 2020"

October 2020, Vladivostok, Russian Federation, Far Eastern Federal University

<u>Springer Nature</u> **This book presents the proceedings of the International Science and Technology Conference "FarEastCon 2020," which took place on October 6–9, 2020, in Vladivostok, Russian Federation. The conference provided a platform for gathering expert opinions on projects and initiatives aimed at the implementation of far-sighted scientific research and development and allowed current theoretical and practical advances to be shared with the broader research community. Featuring selected papers from the conference, this book is of interest to experts in various fields whose work involves developing innovative solutions and increasing the efficiency of economic activities.**

Practical Management for the Digital Age

An Introduction for Engineers, Scientists, and Related Disciplines

"This book is an accessible and comparatively short text that can comfortably be read cover-to-cover over the course of a semester. It has been written for readers with little or no prior knowledge of the concepts of management or experience in professional management activities. It forms an academically rigorous, accurate and consistent treatment of a subject that draws on a wide field rife with competing definitions, methodological variety, conceptual fuzziness, and inconsistent naming conventions. The book places a clear emphasis of the impact of information technology on the business world, drawing on recent literature and examples. Similarly, it highlights how environmental aspects are interwoven with management decision making, addressing the second theme of great urgency in management. Features: Forms a self-contained treatment of management for those without prior knowledge of management or commerce to provide a broad foundation, and explains how management principles and methods draw on rationality-based models of human behavior. Provides an introduction to ongoing financial and legal processes in businesses. Introduces readers to business management as an ongoing activity. Presents a view of sustainability in business that encompasses the environment, society, and the economy. Discusses methods for successful project management and the evaluation of projects and cash flows resulting from projects over time. Practical Management for the Digital Age: An Introduction for Engineers, Scientists, and Related Disciplines is aimed at a wide range of undergraduate and postgraduate students in a variety of fields, as well as practitioners. It is applicable to those in the fields of engineering, science, computer science, medicine, pharmacy, social sciences, and more. It helps readers to engage confidently in managerial situations later in their careers and during project work in the final parts of their degree courses. For instructors, who may not have a management background, this book offers content for a self-contained year-long course in management at the intermediate undergraduate level. In addition, it has been developed for undergraduate and postgraduate courses with accreditation requirements that include a taught element in

management, such as the UK Engineering Council's Accreditation of Higher Education (AHEP) framework"--

Extracting Innovations

Mining, Energy, and Technological Change in the Digital Age

<u>CRC Press</u> **This book considers the most contemporary innovations propelling the extractive industries forward while also creating new environmental and social challenges. The socio-ecological fabric of innovation in the extractive industries is considered through an integrative approach that brings together engineers, natural scientists, and social scientists—academics and practitioners—giving an empirically grounded and realistic evaluation of the innovations in this sector. It synthesizes a series of questions including: Why have these sectors been historically slow to innovate? What specific strategies can improve innovation and uptake of new technologies? What new forms of technology will shape the sector in the decades ahead? What impact will new technologies have on resource extraction and energy production? How are digital technologies changing the competitive landscape and industry architecture? How will new technologies impact sustainability of the sector and can technologies improve social performance and environmental stewardship? And more!**

Handbook of Research on Innovative Management Using AI in Industry 5.0

<u>IGI Global</u> **There is no industry left where artificial intelligence is not used in some capacity. The application of this technology has already stretched across a multitude of domains including law and policy; it will soon permeate areas beyond anyone's imagination. Technology giants such as Google, Apple, and Facebook are already investing their money, effort, and time toward integrating artificial intelligence. As this technology continues to develop and expand, it is critical for everyone to understand the various applications of artificial intelligence and its full potential. The Handbook of Research on Innovative Management Using AI in Industry 5.0 uncovers new and innovative features of artificial intelligence and how it can help in raising economic efficiency at both micro and macro levels and provides a deeper understanding of the relevant aspects of artificial intelligence impacting efficacy for better output. Covering topics such as consumer behavior, information technology, and personalized banking, it is an ideal resource for researchers, academicians, policymakers, business professionals, companies, and students.**

Parenting for a Digital Future

How Hopes and Fears about Technology Shape Children's Lives

<u>Oxford University Press, USA</u> **"In the decades it takes to bring up a child, parents face challenges that are both helped and hindered by the fact that they are living through a period of unprecedented digital innovation. Drawing on extensive research with diverse parents, this book reveals how digital technologies give personal and political parenting struggles a distinctive character, as parents determine how to forge new territory with little precedent, or support. The book reveals the pincer movement of parenting in late modernity. Parents are both more burdened with responsibilities and charged with respecting the agency of their child-leaving much to negotiate in today's "democratic" families. The book charts how parents now often enact authority and values through digital technologies-as "screen time," games, or social media become ways of both being together and setting boundaries. The authors show how digital technologies introduce both valued opportunities and new sources of risk. To light their way, parents comb through the hazy memories of their own childhoods and look toward varied imagined futures. This results in deeply diverse parenting in the present, as parents move between embracing, resisting, or balancing the role of technology in their own and their children's lives. This book moves beyond the panicky headlines to offer a deeply researched exploration of what it means to parent in a period of significant social and technological change. Drawing on qualitative and quantitative research in the United Kingdom, the book offers conclusions and insights relevant to parents, policymakers, educators, and researchers everywhere"--**

Games, Learning, and Society

Learning and Meaning in the Digital Age

<u>Cambridge University Press</u> **This volume is the first reader on video games and learning of its kind. Covering game design, game culture and games as twenty-first-century pedagogy, it demonstrates the depth and breadth of scholarship on games and learning to date. The chapters represent some of the most influential thinkers, designers and writers in the emerging field of games and learning - including James Paul Gee, Soren Johnson, Eric Klopfer, Colleen Macklin, Thomas Malaby, Bonnie Nardi, David Sirlin and others. Together, their work functions both as an excellent introduction to the field of games and learning and as a powerful argument for the use of games in formal and informal learning environments in a digital age.**

Society in the Digital Age

An Interactionist Perspective

<u>SAGE</u> **In Digital Society: An Interactionist Perspective, William Housley explores the ways interactionist thinking contributes to our understanding of current trends and topics within digital sociology. Drawing on a range of aligned approaches, concepts and empirical studies, he explores how notions of self and presentation, action and agency, practical reason and interaction are of fundamental importance to our understanding of some of the emerging contours of digital society; inclusive of big data, social media, the social life of methods, algorithmic culture, 'artificial intelligence' and the pivot to voice. In doing so, Housley aims to demonstrate the enduring relevance of work associated with Goffman, Garfinkel and Sacks in understanding everyday digital social life. The book provides a range of insights into how sociology and social science continues to draw upon interactionism and aligned traditions such as ethnomethodology in making sense of the Interaction Order 2.0 and beyond.**