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KEY=HUMAN - WHITAKER BROOKS

RISK ANALYSIS AND HUMAN BEHAVIOR

Routledge The articles collected here are foundational contributions to integrating behavioural research and risk analysis. They include seminal articles on three essential challenges. One is ensuring effective two-way communication between technical experts and the lay public, so that risk analyses address lay concerns and provide useful information to people who need it. The second is ensuring that analyses make realistic assumptions about human behaviours that affect risk levels (e.g., how people use pharmaceuticals, operate equipment, or respond to evacuation orders). The third is ensuring that analyses recognize the strengths and weaknesses of experts' understanding, using experts' knowledge, while understanding its limits. The articles include overviews of the science, essays on the role of risk in society, and applications to domains as diverse as environment, medicine, terrorism, human rights, chemicals, pandemics, vaccination, HIV/AIDS, xenotransplantation, sexual assault, energy, and climate change. The work involves collaborations among scientists from many disciplines, working with practitioners to produce and convey the knowledge needed help people make better risk decisions.

SOCIAL CONTOURS OF RISK

VOLUME I: PUBLICS, RISK COMMUNICATION AND THE SOCIAL

Routledge We live in a 'risk society' where the identification, distribution and management of risks, from new technology, environmental factors or other sources are crucial to our individual and social existence. In The Social Contours of Risk, Volumes I and II, two of the world's leading and most influential analysts of the social dimensions of risk bring together their most important contributions to this fundamental and wide-ranging field. Volume I collects their fundamental work on how risks are communicated among different publics and stakeholders, including local communities, corporations and the larger society. It analyses the problems of lack of transparency and trust, and explores how even minor effects can be amplified and distorted through media and social responses, preventing effective management. The final section investigates the difficult ethical issues raised by the unequal distribution of risk depending on factors such as wealth, location and genetic inheritance - with examples from worker and public protection, facility-siting conflicts, transporting hazardous waste and widespread impacts such as climate change. Volume II centres on the analysis and management of risk in society, in international business and multinationals, and globally. The 'acceptability' of risk to an individual depends on the context, whether the larger society or in, for example, a corporate framework. Their work clarifies the structures and processes for managing risks in the private sector and the factors that produce or impede effective decisions. The authors demonstrate that corporate culture is crucial in determining risk management. They analyse the transfer of corporate risk management systems from industrial to developing countries, and how globalization is spreading and creating new kinds of risk - the combination of traditional and modern hazards presented by climate change, technology transfer and economic growth. They describe the new priorities and capacities needed to deal with these enhanced vulnerabilities around the globe.

UNDERSTANDING RISK-TAKING

Springer Nature This book outlines and systematises findings from a growing body of research that examines the different rationales, dimensions and dynamics of risk-taking in current societies; providing insight into the different motivations and social roots of risk-taking to advance scholarly debates and improve social regulation. Conceptually, the book goes beyond common approaches which problematise socially undesirable risk-taking, or highlight the alluring character of risk-taking. Instead, it follows a broadly interpretivist approach and engages in examining motives, control, routinisation, reflexivity, skills, resources, the role of identity in risk-taking and how these are rooted in and framed by different social forces. Zinn draws on qualitative studies from different theoretical and conceptual backgrounds such as phenomenology, hermeneutics, pragmatism, feminism, class analysis, theory of practice and discourse analysis among others, to outline key distinctions and concepts central to the understanding of risk-taking. It will be a key resource for everyone who is concerned with the understanding and management of risk-taking in all kinds of social domains, such as immigration, youth, leisure sports, crime, health, finance, and social policy.

RISK ANALYSIS AND HUMAN BEHAVIOR

Routledge "The articles collected here are foundational contributions to integrating behavioural research and risk analysis. They include seminal articles on three essential challenges. One is ensuring effective two-way communication between technical experts and the lay public, so that risk analyses address lay concerns and provide useful information to people who need it. The second is ensuring that analyses make realistic assumptions about human behaviours that affect risk levels (e.g., how people use pharmaceuticals, operate equipment, or respond to evacuation orders). The third is ensuring that analyses recognize the strengths and weaknesses of experts' understanding, using experts' knowledge, while understanding its limits. The articles include overviews of the science, essays on the role of risk in society, and applications to domains as diverse as environment, medicine, terrorism, human rights, chemicals, pandemics, vaccination, HIV/AIDS, xenotransplantation, sexual assault, energy, and climate change. The work involves collaborations among scientists from many disciplines, working with practitioners to produce and convey the knowledge needed help people make better risk decisions."--Pub. desc.

IMPROVING DISASTER RESILIENCE AND MITIGATION - IT MEANS AND TOOLS

Springer The focus of this volume is comprised of the fundamentals, models, and information technologies (IT) methods and tools for disaster prediction and mitigation. A more detailed list of topics includes mathematical and computational modeling of processes leading to or producing disasters, modeling of disaster effects, IT means for disaster mitigation, including data mining tools, knowledge-based and expert systems for use in disaster circumstances, GIS-based systems for disaster prevention and mitigation and equipment for disaster-prone areas. A specific type or class of disasters (natural or human-made), however will not be part of the main focus of this work. Instead, this book was conceived to offer a comprehensive, integrative view on disasters, seeking to determine what various disasters have in common. Because disaster resilience and mitigation involve humans, societies and cultures, not only technologies and economic models, special attention was paid in this volume to gain a comprehensive view on these issues, as a foundation of the IT tool design.

HANDBOOK OF PSYCHOLOGY IN LEGAL CONTEXTS

John Wiley & Sons The second edition of this popular international handbook highlights the developing relationship between psychology and the law. Consisting of all-new material and drawing on the work of practitioners and academics from the UK, Europe, North America and elsewhere, this volume looks not only at the more traditional elements of psychology and the law - the provision of psychological assessments about individuals to the courts - but also many of the recent developments, such as the interaction between psychologists and other professionals, decision-making by judges and juries, and the shaping of social policy and political debate. Contemporary and authoritative in its scope, the second edition of The Handbook of Psychology in Legal Contexts will again prove to be a valuable resource for scholars and students, as well as being a vital tool for all professionals working in the field. * Well known editors and an international list of authors, most of whom are leaders in their field * Focus on psychological concepts and knowledge that will enlighten best practice and research * The focus on process and issues ensures that the book is not limited in interest by specific legal codes or legislation, it is international * More than an updating of the old chapters, really a rethinking of the field and what is now important and emerging

RISK AND CRISIS MANAGEMENT IN THE PUBLIC SECTOR

Routledge Every decision that is made by managers and policy-makers in a public sector organization requires an evaluation and a judgement of the risks involved. This vital requirement has been recognised in the growth of risk management. However, risks can never be fully prevented, which means that public managers also have to be crisis managers. Today's crises develop in unseen ways; they escalate rapidly and transform through the interdependencies of modern society, and their frequency is growing: the global financial crisis, the European volcanic ash cloud, the Japanese tsunami and subsequent Fukushima nuclear plant meltdown, the Christchurch earthquake and the Queensland floods. All highlight the extreme challenges that public sector organizations across the world have had to face in recent years. Risk and Crisis Management in the Public Sector Second Edition responds to these challenges by presenting the only guide for public managers and public management students which combines lessons about risk and crisis management together in a single, accessible text. It equips readers and public managers with the knowledge and skills to understand key issues and debates, as well as the capacity to treat risks and better prepare for, respond to and recover from crisis episodes. This exciting new edition enhances the original text with contemporary cases and a greater focus on the international, trans-boundary and multi-agency dimensions of risk and crisis management. These enhancements reflect the fact that today's public manager must increasingly operate within a global and interdependent governance context.

THE FEELING OF RISK

NEW PERSPECTIVES ON RISK PERCEPTION

Routledge The Feeling of Risk brings together the work of Paul Slovic, one of the world's leading analysts of risk, to describe the extension of risk perception research into the first decade of this new century. In this collection of important works, Paul Slovic explores the conception of 'risk as feelings' and examines the interaction of feeling and cognition in the perception of risk. He also examines the elements of knowledge, cognitive skill, and communication necessary for good decisions in the face of risk. The first section of the book looks at the difficulty of understanding risk without an emotional component, for example that disaster statistics lack emotion and thus fail to convey the true meaning of disasters and fail to motivate proper action to prevent them. The book also highlights other important perspectives on risk arising from cultural worldviews and concerns about specific hazards pertaining to blood transfusion, biotechnology, prescription drugs, smoking, terrorism, and nanotechnology. Following on from The Perception of Risk (2000), this book presents some of the most significant research on risk perception in recent years, providing essential lessons for all those involved in risk perception and communication.

SEXUAL PREDATORS

SOCIETY, RISK, AND THE LAW

Routledge Convicted sex offenders released from custody at the end of their criminal sentences pose a risk for re-offense. In many US states, Sexually Violent Predator (SVP) laws have been enacted that allow for the post-prison preventive detention of high risk sex offenders. SVP laws require the courts to make dispositions that protect the public from harm while at the same time respecting the civil rights of the offender. This book describes these SVP laws, their constitutionality, and aspects of their operation. Courts hear expert risk testimony based heavily on the results of actuarial risk assessment. Problems associated with this testimony include the lack of a theory of recidivism risk, bias due to human decision-making, and the insularity of scholarship and practice along developmental lines. The authors propose changes in legal standards, as well as a unified developmental model that treats sexual violence as an "evolving" condition, with roots traceable to childhood and paths that extend into adolescence and adulthood.

INCERTO

FOOLED BY RANDOMNESS, THE BLACK SWAN, THE BED OF PROCRUSTES, ANTIFRAGILE, SKIN IN THE GAME

Random House Trade The landmark five-book series--all together in one boxed set The Incerto is an investigation of opacity, luck, uncertainty, probability, human error, risk, and decision making when we don't understand the world, expressed in the form of a personal essay with autobiographical sections, stories, parables, and philosophical, historical, and scientific discussions, in non-overlapping volumes that can be accessed in any order. The main thread is that while there is inordinate uncertainty about what is going on, there is great certainty as to what one should do about it. This boxed set includes: FOOLED BY RANDOMNESS THE BLACK SWAN THE BED OF PROCRUSTES ANTIFRAGILE SKIN IN THE GAME

THE BLACK SWAN

THE IMPACT OF THE HIGHLY IMPROBABLE

Random House The Black Swan is a standalone book in Nassim Nicholas Taleb's landmark Incerto series, an investigation of opacity, luck, uncertainty, probability, human error, risk, and decision-making in a world we don't understand. The other books in the series are Fooled by Randomness, Antifragile, and The Bed of Procrustes. A black swan is a highly improbable event with three principal characteristics: It is unpredictable; it carries a massive impact; and, after the fact, we concoct an explanation that makes it appear less random, and more predictable, than it was. The astonishing success of Google was a black swan; so was 9/11. For Nassim Nicholas Taleb, black swans underlie almost everything about our world, from the rise of religions to events in our own personal lives. Why do we not acknowledge the phenomenon of black swans until after they occur? Part of the answer, according to Taleb, is that humans are hardwired to learn specifics when they should be focused on generalities. We concentrate on things we already know and time and time again fail to take into consideration what we don't know. We are, therefore, unable to truly estimate opportunities, too vulnerable to the impulse to simplify, narrate, and categorize, and not open enough to rewarding those who can imagine the "impossible." For years, Taleb has studied how we fool ourselves into thinking we know more than we actually do. We restrict our thinking to the irrelevant and inconsequential, while large events continue to surprise us and shape our world. In this revelatory book, Taleb explains everything we know about what we don't know, and this second edition features a new philosophical and empirical essay, "On Robustness and Fragility," which offers tools to navigate and exploit a Black Swan world. Elegant, startling, and universal in its applications, The Black Swan will change the way you look at the world. Taleb is a vastly entertaining writer, with wit, irreverence, and unusual stories to tell. He has a polymathic command of subjects ranging from cognitive science to business to probability theory. The Black Swan is a landmark book--itself a black swan. Praise for Nassim Nicholas Taleb "The most prophetic voice of all."--GQ Praise for The Black Swan "[A book] that altered modern thinking."--The Times (London) "A masterpiece."--Chris Anderson, editor in chief of Wired, author of The Long Tail "Idiosyncratically brilliant."--Niall Ferguson, Los Angeles Times "The Black Swan changed my view of how the world works."--Daniel Kahneman, Nobel laureate "[Taleb writes] in a style that owes as much to Stephen Colbert as it does to Michel de Montaigne. . . . We eagerly romp with him through the follies of confirmation bias [and] narrative fallacy."--The Wall Street Journal "Hugely enjoyable--compelling . . . easy to dip into."--Financial Times "Engaging . . . The Black Swan has appealing cheek and admirable ambition."--The New York Times Book Review From the Hardcover edition.

JUDGMENT AND DECISION MAKING

PSYCHOLOGICAL PERSPECTIVES

John Wiley & Sons Judgment and Decision Making is a refreshingly accessible text that explores the wide variety of ways people make judgments. An accessible examination of the wide variety of ways people make judgments Features up-to-date theoretical coverage, including perspectives from evolutionary psychology and neuroscience Covers dynamic decision making, everyday decision making, individual differences, group decision making, and the nature of mind and brain in relation to judgment and decision making Illustrates key concepts with boxed case studies and cartoons

ADVANCES IN KNOWLEDGE-BASED AND INTELLIGENT INFORMATION AND ENGINEERING SYSTEMS

IOS Press In this 2012 edition of Advances in Knowledge-Based and Intelligent Information and Engineering Systems the latest innovations and advances in Intelligent Systems and related areas are presented by leading experts from all over the world. The 228 papers that are included cover a wide range of topics. One emphasis is on Information Processing, which has become a pervasive phenomenon in our civilization. While the majority of Information Processing is becoming intelligent in a very broad sense, major research in Semantics, Artificial Intelligence and Knowledge Engineering supports the domain specific applications that are becoming more and more present in our everyday living. Ontologies play a major role in the development of Knowledge Engineering in various domains, from Semantic Web down to the design of specific Decision Support Systems. Research on Ontologies and their applications is a highly active front of current Computational Intelligence science that is addressed here. Other subjects in this volume are modern Machine Learning, Lattice Computing and Mathematical Morphology. The wide scope and high quality of these contributions clearly show that knowledge engineering is a continuous living and evolving set of technologies aimed at improving the design and understanding of systems and their relations with humans.

PUBLIC HEALTH RISK ASSESSMENT FOR HUMAN EXPOSURE TO CHEMICALS

Springer This book provides a concise, yet comprehensive overview of the many facets relating to human health risk assessments in relation to chemical exposure problems. It presents some very important tools and methodologies that can be used to address chemical exposure and public health risk management problems in a consistent, efficient, and cost-effective manner. On the whole, the book represents a collection and synthesis of the principal elements of the risk assessment process that may be used to more effectively address issues pertaining to human exposures to chemicals found in modern societies. This also includes an elaboration of pertinent risk assessment concepts and techniques/methodologies for performing human health risk assessments. Written for both the novice and the experienced, the subject matter of this book is an attempt at offering a simplified and systematic presentation of public health risk assessment methods and application tools - all these facilitated by a layout that will carefully navigate the user through the major processes involved. A number of illustrative example problems are interspersed throughout the book, in order to help present the book in an easy-to-follow, pragmatic manner.

IS BREAST BEST?

TAKING ON THE BREASTFEEDING EXPERTS AND THE NEW HIGH STAKES OF MOTHERHOOD

NYU Press Monitoring mothers : a recent history of following the doctor's orders -- The science : does breastfeeding make smarter, happier, and healthier babies? -- Minding your own (risky) business : health and personal responsibility -- From the womb to the breast : total motherhood and risk-free children -- Scaring mothers : the government campaign for breastfeeding -- Conclusion : whither breastfeeding?

HUMAN SAFETY AND RISK MANAGEMENT

CRC Press Reflecting a decade's worth of changes, Human Safety and Risk Management, Second Edition contains new chapters addressing safety culture and models of risk as well as an extensive re-working of the material from the earlier edition. Examining a wide range of approaches to risk, the authors define safety culture and review theoretical models that elucidate mechanisms linking safety culture with safety performance. Filled with practical examples and case studies and drawing on a range of disciplines, the book explores individual differences and the many ways in which human beings are alike within a risk and safety context. It delineates a risk management approach that includes a range of techniques such as risk assessment, safety audit, and safety interventions. The authors address concepts central to workplace safety such as attitudes and their link with behavior. They discuss managing behavior in work environments including key functions and benefits of groups, factors influencing team effectiveness, and barriers to effectiveness such as groupthink.

RELIABILITY, RISK, AND SAFETY, THREE VOLUME SET

THEORY AND APPLICATIONS

CRC Press Containing papers presented at the 18th European Safety and Reliability Conference (Esrel 2009) in Prague, Czech Republic, September 2009, Reliability, Risk and Safety Theory and Applications will be of interest for academics and professionals working in a wide range of industrial and governmental sectors, including Aeronautics and Aerospace, Aut

RISK, UNCERTAINTY, AND RATIONAL ACTION

Earthscan Risk as we now know it is a wholly new phenomenon, the by-product of our ever more complex and powerful technologies. In business, policy making, and in everyday life, it demands a new way of looking at technological and environmental uncertainty. In this definitive volume, four of the world's leading risk researchers present a fundamental critique of the prevailing approaches to understanding and managing risk - the 'rational actor paradigm'. They show how risk studies must incorporate the competing interests, values, and rationalities of those involved and find a balance of trust and acceptable risk. Their work points to a comprehensive and significant new theory of risk and uncertainty and of the decision making process they require. The implications for social, political, and environmental theory and practice are enormous. Winner of the 2000-2002 Outstanding Publication Award of the Section on Environment and Technology of the American Sociological Association

JUDGMENT AND DECISION MAKING

Routledge Behavioral decision research offers a distinctive approach to understanding and improving decision making. It combines theory and method from multiple disciplines (psychology, economics, statistics, decision theory, management science). It employs both empirical methods, to study how decisions are actually made, and analytical ones, to study how decisions should be made and how consequential imperfections are. This book brings together key publications, selected to represent the major topics and approaches used in the field. Put in one place, with integrating commentary, it shows the common elements in a research program that represents the scope of the field, while offering depth in each. Together, they provide a vision for what has become a burgeoning field.

TRUST IN RISK MANAGEMENT

UNCERTAINTY AND SCEPTICISM IN THE PUBLIC MIND

Earthscan 'An excellent collection of texts that can be recommended both to researchers and to others interested in cooperative risk management... Siegrist, Earle, Gutscher and their contributors have produced a well-written and finely edited book that improves the understandings of the relationships between trust, risk and uncertainty in cooperative risk management.' -Journal of Risk Research 'Given the importance of trust as a factor in risk communication studies, this book offers both communication scholars and their students an excellent conceptual resource.' -Science Communication '[A]n excellent introduction into the great variety of trust studies' -Journal of Human and Ecological Risk Assessment 'Everyone knows that trust is important in managing environmental and technological risks, yet there is little agreement on the nature of trust and how to study it. Siegrist, Earle and Gutscher convinced leading American and European scholars to write twelve original essays to try to make sense of the origins and consequences of the uncertainty and scepticism common in the public mind. Although the authors use different methods, conceptual frameworks, models and theories, they all write with fervour (perhaps reflecting the importance of the topic), but maintain the highest standards of scholarship. The chapters complement each other so that the value of this book is greater than the sum of the individual chapters. Indispensable to anyone concerned with trust in cooperative risk management.' -Robert E. O'Connor, National Science Foundation Trust is an important factor in risk management, affecting judgements of risk and benefit, technology acceptance and other forms of cooperation. In this book, the world's leading risk researchers explore all aspects of trust as it relates to risk management and communication. The authors draw on a wide variety of disciplinary approaches and empirical case studies on topics such as mobile phone technology, food accidents and crises, wetland management, smallpox vaccination, management of US forests and the disposal of the Brent Spar oil drilling platform. Insightful analyses are provided for researchers and students of environmental and social science and professionals engaged in risk management and communication in both public and private sectors. Michael Siegrist is Lecturer and Senior Researcher at the University of Zurich and ETH Zurich, Switzerland. Timothy C. Earle is a Research Associate at Western Washington University, Bellingham, US. Heinz Gutscher is Professor of Social Psychology at the University of Zurich, Switzerland.

EGRESS DESIGN SOLUTIONS

A GUIDE TO EVACUATION AND CROWD MANAGEMENT PLANNING

John Wiley & Sons The architect's primary source for information on designing for egress, evacuation, and life safety, Egress Design Solutions, Emergency Evacuation and Crowd Management Planning, is written by proven experts on egress issues. Meacham and Tubbs are engineers with Arup, an international firm with a stellar reputation for quality design and engineering. Their book examines egress solutions in terms of both prescriptive and performance-based code issues. A portion of the book focuses on techniques for providing egress design solutions and for coordinating egress systems with other critical life safety systems. Another part reviews historic and recent tragic life-loss fire events. As such, this is easily the most comprehensive take on the subject, written especially for architects.

HANDBOOK OF RISK AND CRISIS COMMUNICATION

Routledge The Handbook of Risk and Crisis Communication explores the scope and purpose of risk, and its counterpart, crisis, to facilitate the understanding of these issues from conceptual and strategic perspectives. Recognizing that risk is a central feature of our daily lives, found in relationships, organizations, governments, the environment, and a wide variety of interactions, contributors to this volume explore such questions as: "What is likely to happen, to whom, and with what consequences?"; "To what extent can science and vigilance prevent or mitigate negative outcomes?"; and "What obligation do some segments of local, national, and global populations have to help other segments manage risks?", shedding light on the issues in the quest for definitive answers. The Handbook offers a broad approach to the study of risk and crisis as joint concerns. Chapters explore the reach of crisis and risk communication, define and examine key constructs, and parse the contexts of these vital areas. As a whole, the volume presents a comprehensive array of studies that highlight the standard principles and theories on both topics, serving as the largest effort to date focused on engaging risk communication discussions in a comprehensive manner. With perspectives from psychology, sociology, anthropology, political science, economics, and communication, the Handbook of Risk and Crisis Communication enlarges the approach to defining and recognizing risk and how should it best be managed. It provides vital insights for all disciplines studying risk, including communication, public relations, business, and psychology, and will be required reading for scholars and researchers investigating risk and crisis in various contexts.

CONSTRUCTION RISK MANAGEMENT DECISION MAKING

UNDERSTANDING CURRENT PRACTICES

John Wiley & Sons "Risk management allows construction professionals to identify the risks inherent in all projects, and to provide the tools for evaluating the probabilities and impacts to minimize the risk potential. Much has been published on the tools and techniques for risk management in the construction industry, with most publications concentrating on quantitative techniques and data. Construction managers still take a largely intuitive approach however, and much less has been published on the qualitative decision-making systems practised in the industry"--

EFFECTIVE RISK COMMUNICATION

Routledge There are two questions often asked of risk communication: what has been learned from past work, and what is needed to push the field forward? Drawing on the experience of leading risk researchers and practitioners, Effective Risk Communication focuses on answering these questions. The book draws together new examples of research and practice from contexts as diverse as energy generation, human health, nuclear waste, climate change, food choice, and social media. This book treats risk communication as much more than the interchange of risk information between experts and non-experts; rather, it aims to emphasise the diversity in viewpoints and practices. In each specially commissioned chapter, the authors reflect on the theoretical and applied underpinnings of their best projects and comment on how their approach could be used effectively by others. Building upon each other, the chapters will provoke new discussion and action around a discipline which many feel is neither meeting important needs in practice, nor living up to its potential in research. Through a more careful examination of the work already done in risk communication, the book will help develop better, more reflective practice for the future.

ENVIRONMENTAL DECISIONS IN THE FACE OF UNCERTAINTY

National Academies Press The U.S. Environmental Protection Agency (EPA) is one of several federal agencies responsible for protecting Americans against significant risks to human health and the environment. As part of that mission, EPA estimates the nature, magnitude, and likelihood of risks to human health and the environment; identifies the potential regulatory actions that will mitigate those risks and protect public health and the environment; and uses that information to decide on appropriate regulatory action. Uncertainties, both qualitative and quantitative, in the data and analyses on which these decisions are based enter into the process at each step. As a result, the informed identification and use of the uncertainties inherent in the process is an essential feature of environmental decision making. EPA requested that the Institute of Medicine (IOM) convene a committee to provide guidance to its decision makers and their partners in states and localities on approaches to managing risk in different contexts when uncertainty is present. It also sought guidance on how information on uncertainty should be presented to help risk managers make sound decisions and to increase transparency in its communications with the public about those decisions. Given that its charge is not limited to human health risk assessment and includes broad questions about managing risks and decision making, in this report the committee examines the analysis of uncertainty in those other areas in addition to human health risks. Environmental Decisions in the Face of Uncertainty explains the

statement of task and summarizes the findings of the committee.

HUMAN BEHAVIOR IN THE SOCIAL ENVIRONMENT

PERSPECTIVES ON DEVELOPMENT, THE LIFE COURSE, AND MACRO CONTEXTS

Routledge In this book and companion custom website you will find: • A comprehensive overview of the issues related to human behavior and the social environment that are important to understand for practice, updated with current and relevant information on important topics in social work. Additional relevant content, contemporary theories, and intervention modalities are incorporated throughout the text to keep students up to date with what is happening in the field. • Careful organization of chapters to first present foundational theoretical perspectives on the human condition, and then provide information on basic facets of human development, encouraging students to use conceptual lenses to inform their practice with individuals at different stages of life. Four final chapters cover theoretical foundations and issues surrounding spirituality, families and groups, organizations, and communities. These chapters offer in-depth information and discussions on mezzo and macro content. The organization of the chapters also helps students better understand how contemporary theories and approaches to issues stem from foundational theories and how they can be used to inform work with clients. • Particular emphasis on the ways in which poverty, diversity, and strengths affect human development and behavior. • The opportunity to see how the concepts fit into social work practice using case examples that open each chapter and are referred to throughout the chapter. • Interactive case studies at www.routledgesw.com/cases: Six easy-to-access fictional cases with dynamic characters and situations that students can easily reach from any computer and that provide a “learning by doing” format unavailable with any other text. Your students will have an advantage unlike any other they will experience in their social work training. • A wealth of instructor-only resources at www.routledgesw.com/hbse that provide full-text readings that link to the concepts presented in each of the chapters; a complete bank of objective and essay-type test items, all linked to current CSWE EPAS (Council on Social Work Education Educational Policy and Accreditation Standards); PowerPoint presentations to help students master key concepts; annotated links to a treasure trove of social work assets on the Internet; and a forum inviting all instructors using books in the series to communicate with each other and share ideas to improve teaching and learning. • Ideal for use in online as well as hybrid course instruction—in addition to traditional “bricks and mortar” classes. This bestseller is ideal for use in either one-semester or year-long generalist human behavior courses. Why? Because the text is concise and easily used in a one-semester course. But the text also comes with a companion set of readings, additional chapters focused on macro social work, and six unique cases that encourage your students to “learn by doing” and to apply their knowledge of human behavior to best practices. Go to www.routledgesw.com/hbse to learn more. These additional resources easily allow you to use the text (and its related resources) in a two-semester sequence.

ETHICAL IMPACT OF TECHNOLOGICAL ADVANCEMENTS AND APPLICATIONS IN SOCIETY

IGI Global “This book explores the ethical challenges of technology innovations, providing cutting-edge analysis of designs, developments, impacts, policies, theories, and methodologies related to ethical aspects of technology in society”—Provided by publisher.

RISK AND PUBLIC POLICY IN EAST ASIA

Routledge Contemporary Asian society is marked by social processes associated with the loss of stable economic growth and high employment; family structures capable of caring for family members in need; and governmental economic and political competence. Post-financial crisis job uncertainty and income and labor market polarization have become important issue in Asian societies. Family structures are viewed as have been weakened, with a corresponding rise in divorce and domestic violence. Trust in the government is in decline. Against this backdrop it is timely to review three critical issues: 1) policies addressing work-related risks and socio-economic security; 2) changes regarding the structure and stability of families; and 3) issues concerning governance in times of weakened state capacity, declining trust, and the emergence of new politics. Containing chapters written by international scholars, this book introduces the concepts and theoretical approaches of risk and risk and governance and places them within the context of Asian societies.

SAFETY MANAGEMENT

A QUALITATIVE SYSTEMS APPROACH

CRC Press Professionals striving for accident reduction must deal with systems in which both technical and human elements play equal and complementary roles. However, many of the existing techniques in ergonomics and risk management concentrate on plant and technical issues and downplay human factors and “subjectivity.” Safety Management: A Qualitative Systems Approach describes a body of theories and data that addresses safety by drawing on systems theory and applied psychology, stressing the importance of human activity within systems. It explains in detail the central roles of social consensus and reliability and the nature of verbal reports and functional discourse. This text presents a new approach to safety management, offering a path to both greater safety and to economic savings. It presents a series of methodological tools that have proven to be reliable through extensive use in the rail and nuclear industries. These methods allow organizational and systems failures to be analyzed much more effectively in terms of quantity, precision, and usefulness. The concepts and tools described in this book are particularly valuable for reliability engineers, risk managers, human factors specialists, and safety managers and professionals in safety-critical organizations.

THE WORLD HEALTH REPORT 2002

REDUCING RISKS, PROMOTING HEALTHY LIFE

World Health Organization The world is living dangerously - either because it has little choice or because it is making the wrong choices -- Dr Gro Harlem Brundtland WHO Director-General

RISK: A VERY SHORT INTRODUCTION

Oxford University Press Risk is everywhere - from genetically modified crops, dams, and stem-cell therapy to heartbreak, online predators, inflation, and robbery. This Very Short Introduction examines what science has learned about how people deal with risks, what we can learn through decision theory, and how we can evaluate risk in our own lives.

OBSERVING THE VOLCANO WORLD

VOLCANO CRISIS COMMUNICATION

Springer This open access book provides a comprehensive overview of volcanic crisis research, the goal being to establish ways of successfully applying volcanology in practice and to identify areas that need to be addressed for future progress. It shows how volcano crises are managed in practice, and helps to establish best practices. Consequently the book brings together authors from all over the globe who work with volcanoes, ranging from observatory volcanologists, disaster practitioners and government officials to NGO-based and government practitioners to address three key aspects of volcanic crises. First, the book explores the unique nature of volcanic hazards, which makes them a particularly challenging threat to forecast and manage, due in part to their varying spatial and temporal characteristics. Second, it presents lessons learned on how to best manage volcanic events based on a number of crises that have shaped our understanding of volcanic hazards and crises management. Third, it discusses the diverse and wide-ranging aspects of communication involved in crises, which merge old practices and new technologies to accommodate an increasingly challenging and globalised world. The information and insights presented here are essential to tapping established knowledge, moving towards more robust volcanic crises management, and understanding how the volcanic world is perceived from a range of standpoints and contexts around the globe.

COMMUNICATING HEALTH RISKS TO THE PUBLIC

A GLOBAL PERSPECTIVE

CRC Press This book reviews current health risk communication strategies, and examines and assesses the technical and psycho-sociological tools available to support risk communication plans. It brings together approaches to risk communication from a number of countries and describes the techniques, including drama, storytelling and scenarios that are used to identify and prioritise key communication issues, and to identify policy responses. The book also provides a review of the methods and tools available for risk assessment, risk communication and priority setting, which are relevant not only to practitioners but to health planning more generally, and to many other areas of public health and policy. The discussion of these techniques is supported by case studies, and is concluded by a chapter reflecting on the conceptual and research issues that still need to be addressed. It also proposes new directions for risk communication that key into the public imagination with the aim of gaining their trust and confidence in the risk messages. Communicating Health Risks to the Public: A Global Perspective brings together a wide variety of perspectives on risk communication, from the perspectives of health, anthropology, psychology, and media. It should be of interest not only to those involved in risk assessment or communication but to anyone interested in the role of science and the media in the political process.

CORONAVIRUS DISEASE (COVID-19): PSYCHOLOGICAL, BEHAVIORAL, INTERPERSONAL EFFECTS, AND CLINICAL IMPLICATIONS FOR HEALTH SYSTEMS

Frontiers Media SA

HANDBOOK OF SAFETY PRINCIPLES

John Wiley & Sons Presents recent breakthroughs in the theory, methods, and applications of safety and risk analysis for safety engineers, risk analysts, and policy makers Safety principles are paramount to addressing structured handling of safety concerns in all technological systems. This handbook captures and discusses the multitude of safety principles in a practical and applicable manner. It is organized by five overarching categories of safety principles: Safety Reserves; Information and Control; Demonstrability; Optimization; and

Organizational Principles and Practices. With a focus on the structured treatment of a large number of safety principles relevant to all related fields, each chapter defines the principle in question and discusses its application as well as how it relates to other principles and terms. This treatment includes the history, the underlying theory, and the limitations and criticism of the principle. Several chapters also problematize and critically discuss the very concept of a safety principle. The book treats issues such as: What are safety principles and what roles do they have? What kinds of safety principles are there? When, if ever, should rules and principles be disobeyed? How do safety principles relate to the law; what is the status of principles in different domains? The book also features: • Insights from leading international experts on safety and reliability • Real-world applications and case studies including systems usability, verification and validation, human reliability, and safety barriers • Different taxonomies for how safety principles are categorized • Breakthroughs in safety and risk science that can significantly change, improve, and inform important practical decisions • A structured treatment of safety principles relevant to numerous disciplines and application areas in industry and other sectors of society • Comprehensive and practical coverage of the multitude of safety principles including maintenance optimization, substitution, safety automation, risk communication, precautionary approaches, non-quantitative safety analysis, safety culture, and many others The Handbook of Safety Principles is an ideal reference and resource for professionals engaged in risk and safety analysis and research. This book is also appropriate as a graduate and PhD-level textbook for courses in risk and safety analysis, reliability, safety engineering, and risk management offered within mathematics, operations research, and engineering departments. NIKLAS MÖLLER, PhD, is Associate Professor at the Royal Institute of Technology in Sweden. The author of approximately 20 international journal articles, Dr. Möller's research interests include the philosophy of risk, metaethics, philosophy of science, and epistemology. SVEN OVE HANSSON, PhD, is Professor of Philosophy at the Royal Institute of Technology. He has authored over 300 articles in international journals and is a member of the Royal Swedish Academy of Engineering Sciences. Dr. Hansson is also a Topical Editor for the Wiley Encyclopedia of Operations Research and Management Science. JAN-ERIK HOLMBERG, PhD, is Senior Consultant at Risk Pilot AB and Adjunct Professor of Probabilistic Risk and Safety Analysis at the Royal Institute of Technology. Dr. Holmberg received his PhD in Applied Mathematics from Helsinki University of Technology in 1997. CARL ROLLENHAGEN, PhD, is Adjunct Professor of Risk and Safety at the Royal Institute of Technology. Dr. Rollenhagen has performed extensive research in the field of human factors and MTO (Man, Technology, and Organization) with a specific emphasis on safety culture and climate, event investigation methods, and organizational safety assessment.

CITIES AT RISK

LIVING WITH PERILS IN THE 21ST CENTURY

Springer Science & Business Media With the major growth of the world's population over the past century, as well as rapid urbanisation, people increasingly live in crowded cities. This trend is often accompanied by proliferation of poorly built housing, uncontrolled use of land, occupation of unsafe environments and overstretched services. When a natural hazard strikes such a city many people are vulnerable to loss of life and property. This book explores what these people think and feel about the threats that they face. How do they live with perils ranging from earthquakes to monsoons, from floods to hurricanes, in the 21st century? The authors are drawn from a large range of disciplines: Psychology, Engineering, Geography, Anthropology and Urban Planning. They also reflect on how perils are represented in multiple cultures: the United States, Japan, Turkey, Bangladesh, the United Kingdom and New Zealand. The book therefore not only brings to light the ways that different cultures represent natural hazards but also the different ways in which various disciplines write about living with perils in the 21st century. The book is addressed both to researchers and to organizations involved with risk management and risk mitigation.

PREVENTING HEALTH AND ENVIRONMENTAL RISKS IN LATIN AMERICA

Springer This book addresses environmental and medical issues that could risk our well-being, our health, or even cause death. Some of the issues analysed could have negative consequences not only today but also for future generations if not prevented in time. With regard to health risks, the authors discuss several diseases that could be avoided if people perform (or avoid) certain behaviours and become accustomed to having healthier habits. Concerning environmental hazards, the authors discuss which social groups should be taken into account based on preventive strategies used to avoid a particular disaster. Both sections of the book on health and environmental issues have a subsection with chapters about risks and society. No matter the risk-related discipline the reader is familiar with, when he ends reading the book, it will become clear that risk analysis is the basis for prevention, and that it cannot be addressed from a single discipline nor with a single methodology.

ENVIRONMENTAL SOCIOLOGY

RISK AND SUSTAINABILITY IN MODERNITY

Rowman & Littlefield Environmental Sociology: Risk and Sustainability in Modernity examines the encounter between sociology and contemporary environmental issues. It presents the proposal for an environmental sociology considering the dilemmas surrounding sustainable development, ecological modernization, and risk society. In this book, Cristiano Luis Lenzi critically examines these concepts, aiming to show how controversial environmental sociology still is. The book offers a nuanced interpretation of some of the issues and disputes that arise in the debate over these approaches in the sociological literature.

FORENSIC PSYCHOLOGISTS

PRISONS, POWER, AND VULNERABILITY

Emerald Group Publishing Built on a large body of research relating specifically to forensic psychologists and prison life more generally, this book examines how this professional discipline has become central to life within the modern prison. Exploring a number of themes, it takes the reader behind the scenes of forensic psychological practice in Her Majesty's prisons.

HANDBOOK OF RISK THEORY

EPISTEMOLOGY, DECISION THEORY, ETHICS, AND SOCIAL IMPLICATIONS OF RISK

Springer Science & Business Media Risk has become one of the main topics in fields as diverse as engineering, medicine and economics, and it is also studied by social scientists, psychologists and legal scholars. But the topic of risk also leads to more fundamental questions such as: What is risk? What can decision theory contribute to the analysis of risk? What does the human perception of risk mean for society? How should we judge whether a risk is morally acceptable or not? Over the last couple of decades questions like these have attracted interest from philosophers and other scholars into risk theory. This handbook provides for an overview into key topics in a major new field of research. It addresses a wide range of topics, ranging from decision theory, risk perception to ethics and social implications of risk, and it also addresses specific case studies. It aims to promote communication and information among all those who are interested in theoretical issues concerning risk and uncertainty. This handbook brings together internationally leading philosophers and scholars from other disciplines who work on risk theory. The contributions are accessibly written and highly relevant to issues that are studied by risk scholars. We hope that the Handbook of Risk Theory will be a helpful starting point for all risk scholars who are interested in broadening and deepening their current perspectives.