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Deep Simplicity - John Gribbin 2009-08-27
'Gribbin takes us through the basics with his customary talent for accessibility and clarity' Sunday Times The world around us can be a complex, confusing place. Earthquakes happen without warning, stock markets fluctuate, weather forecasters seldom seem to get it right - even other people continue to baffle us. How do we make sense of it all? In fact, John Gribbin reveals, our seemingly random universe is actually built on simple laws of cause and effect that can explain why, for example, just one vehicle braking can cause a traffic jam; why wild storms result from a slight atmospheric change; even how we evolved from the most basic materials. Like a zen painting, a fractal image or the pattern on a butterfly's wings, simple elements form the bedrock of a sophisticated whole. Synthesizing chaos and complexity theory for the perplexed, Deep Simplicity brilliantly illuminates the harmony underlying our existence.

Deep Simplicity - John Gribbin 2005-04-05
Over the past two decades, no field of scientific inquiry has had a more striking impact across a wide array of disciplines–from biology to physics, computing to meteorology–than that known as chaos and complexity, the study of complex systems. Now astrophysicist John Gribbin draws on his expertise to explore, in prose that communicates not only the wonder but the substance of cutting-edge science, the principles behind chaos and complexity. He reveals the remarkable ways these two revolutionary theories have been applied over the last twenty years to explain all sorts of phenomena–from weather patterns to mass extinctions. Grounding these paradigm-shifting ideas in their historical context, Gribbin also traces their development from Newton to Darwin to Lorenz, Prigogine, and Lovelock, demonstrating how–far from overturning all that has gone before–chaos and complexity are the triumphant extensions of simple scientific laws. Ultimately, Gribbin illustrates how chaos and complexity permeate the universe on every scale, governing the evolution of life and galaxies alike.

Mobility Patterns, Big Data and Transport Analytics - Constantinos Antoniou 2018-11-27
Mobility Patterns, Big Data and Transport Analytics provides a guide to the new analytical framework and its relation to big data, focusing on capturing, predicting, visualizing and controlling mobility patterns - a key aspect of transportation modeling. The book features prominent international experts who provide overviews on new analytical frameworks, applications and concepts in mobility analysis and transportation systems. Users will find a detailed, mobility 'structural' analysis and a look at the extensive behavioral characteristics of transport, observability requirements and limitations for realistic transportation applications and transportation systems analysis that are related to complex processes and phenomena. This book bridges the gap between big data, data science, and transportation systems analysis with a study of big data's impact on mobility and an introduction to the tools necessary to apply new techniques. The book covers in detail, mobility 'structural' analysis (and its dynamics), the extensive behavioral characteristics of transport, observability requirements and limitations for realistic transportation applications, and transportation systems analysis related to complex processes and phenomena. The book bridges the gap between big data, data science, and Transportation Systems Analysis with a study of big data's impact on mobility, and an introduction to the tools necessary to apply new techniques. Guides readers through the paradigm-shifting opportunities and challenges of handling Big Data in transportation modeling and analytics Covers current analytical innovations focused on capturing, predicting, visualizing, and controlling mobility patterns, while discussing future trends Delivers an introduction to transportation-related information advances, providing a benchmark reference by world-leading experts in the field Captures and manages mobility patterns, covering multiple

purposes and alternative transport modes, in a multi-disciplinary approach Companion website features videos showing the analyses performed, as well as test codes and data-sets, allowing readers to recreate the presented analyses and apply the highlighted techniques to their own data

Environmental Change and the World's Futures - Jonathan Paul Marshall 2015-08-27
Climate change and ecological instability have the potential to disrupt human societies and their futures. Cultural, social and ethical life in all societies is directed towards a future that can never be observed, and never be directly acted upon, and yet is always interacting with us. Thinking and acting towards the future involves efforts of imagination that are linked to our sense of being in the world and the ecological pressures we experience. The three key ideas of this book – ecologies, ontologies and mythologies – help us understand the ways people in many different societies attempt to predict and shape their futures. Each chapter places a different emphasis on the linked domains of environmental change, embodied experience, myth and fantasy, politics, technology and intellectual reflection, in relation to imagined futures. The diverse geographic scope of the chapters includes rural Nepal, the islands of the Pacific Ocean, Sweden, coastal Scotland, North America, and remote, rural and urban Australia. This book will appeal to researchers and students in anthropology, sociology, environmental studies, cultural studies, psychology and politics.

Healing Presence - JoEllen Goertz Koerner, RN, PhD, FAAN 2011-03-23
Praise for the Previous Edition: "...represents an act of passion for the profession....The work's value comes from its integration of scientific, creative, and spiritual philosophies as a core context for the complex nurse-patient interaction involved in the promotion of a healing environment....Recommended." —Choice At the center of professional nursing lies the "authentic presence" of the nurse -- the intention and commitment that brings us to the profession, and unfolds as we develop as nurses. In this new edition, JoEllen Koerner explores the intersection of scientific, creative, and spiritual ways of knowing that inform and inspire this "healing presence" in caregiver and patient. Revised, updated, and refocused, the book integrates traditional nursing practice with cutting-edge alternative and integrative medicine. The author expands our' awareness of Allopathic and alternative ways of healing as rooted in Native Healing practices. The book also explores new models for transpersonal caring through the lens of philosophy, spirituality, and complexity science. It is a profoundly important resource for nurse educators, students, and practitioners. Key features: Presents the Nursing Triad model: nurse as scientist, artist, and healing presence Examines the bioenergetic body-the "five bodies" that comprise our being and infuse our becoming Discusses the physiology and philosophy behind healing presence Analyzes the healing process between nurse and patient, from embracing suffering to transcending polarities and enhancing capacity

Subversion, Conversion, Development - James Leach 2014-05-02
Explorations of design, use, and reuse of information technology in diverse historical and cultural contexts. This book explores alternative cultural encounters with and around information technologies. These encounters are alternative because they counter dominant, Western-oriented notions of media consumption; they include media practices as forms of cultural resistance and subversion, "DIY cultures," and other nonmainstream models of technology production. The contributors—leading thinkers in science and technology studies, anthropology, and software design—pay special attention to the specific inflections that different cultures and communities give to the value of knowledge. The richly detailed accounts presented here challenge the dominant view of knowledge as a neutral good—information available for representation and encoding but separated from all social relations. The

chapters examine specific cases in which the forms of knowledge and cross-cultural encounters are shaping technology use and development. They consider design, use, and reuse of technological tools, including databases, GPS devices, books, and computers, in locations that range from Australia and New Guinea to Germany and the United States. Contributors Poline Bala, Alan Blackwell, Wade Chambers, Michael Christie, Hildegard Diemberger, Stephen Hugh-Jones, James Leach, Jerome Lewis, Dawn Nafus, Gregers Petersen, Marilyn Strathern, David Turnbull, Helen Verran, Laura Watts, Lee Wilson

Beyond Goals - Susan David 2016-04-15
What is there in developmental relationships beyond setting and striving to achieve goals? The presence of goals in coaching and mentoring programs has gone largely unquestioned, yet evidence is growing that the standard prescription of SMART, challenging goals is not always appropriate - and even potentially dangerous - in the context of a complex and rapidly changing world. Beyond Goals advances standard goal-setting theory by bringing together cutting-edge perspectives from leaders in coaching and mentoring. From psychology to neuroscience, from chaos theory to social network theory, the contributors offer diverse and compelling insights into both the advantages and limitations of goal pursuit. The result is a more nuanced understanding of goals, with the possibility for practitioners to bring greater impact and sophistication to their client engagements. The implications of this reassessment are substantial for all those practicing as coaches and mentors, or managing coaching or mentoring initiatives in organizations.

The Emotional Sphere of Politic - Justin MacCarthy 2014-02-28
In The Emotional Sphere of Politics, Justin MacCarthy explores the premise that there are four sets of conflicting emotions (Security versus Freedom, Property versus Communality, Equality versus Status and Order versus Nature) which are an integral part of the human condition. Having these four pairs of contradictory needs makes it extremely difficult for party politicians to meet our expectations, as each party has a particular focus on just one single need. These party politicians promise us that increased adherence to their particular dogma will lead us to Nirvana, but in fact it usually leads to excess and hubris. The most notorious example of excess is fascism, which is an ultra form of nationalism. But there are two sides to every coin, and all of the ideological excesses can be matched by political virtues. For example, the capitalist vice of greed can be offset by the virtue of philanthropy. MacCarthy sets out to show how these political forces neatly fit together into what is quite literally The Emotional Sphere of Politics, in three-dimensional form. The interrelationship of eight major political movements of the 20th century with our basic human emotions are each examined individually, from how 'Authoritarianism promises us Security', to how 'The Communists claim to be the Organisers of our resources for the benefit of all'. Similar to The Righteous Mind by Jonathan Haidt, it examines why people feel so differently about political issues, making this book is a fascinating read for anyone interested in politics.

Process-Oriented Analysis and Validation of Multi-Agent-Based Simulations - Nicolas Denz 2014-12-31
In multi-agent-based simulation (MABS) the behavior of individual actors is modeled in detail. The analysis and validation of these models is rated as difficult and requires support by innovative techniques and tools. Problems include model complexity, the amount and often qualitative representation of simulation results, and the typical dichotomy between microscopic modeling and macroscopic observation perspectives. In recent years, data mining has been increasingly applied as a support technique in this context. A particularly promising approach is found in the field of process mining. Due to its rooting in business process analysis, process mining shares several process- and organization-oriented analysis perspectives and use cases with agent-based modeling. This thesis proposes a conceptual framework for the systematic application of process mining to the analysis and validation of MABS. As a foundation, agent-oriented analysis perspectives and simulation-specific use cases are identified and complemented with methods, techniques, and results from the literature. A partial formalization of perspectives and use cases is sketched by utilizing concepts from process modeling and software engineering. Beyond the conceptual work, process mining is applied in two case studies related to different modeling and simulation approaches.

Simply Complexity - Neil Johnson 2009-10-01
The new branch of science which will reveal how to avoid the rush hour, overcome cancer, and find the perfect date What do traffic jams, stock market crashes, and wars have in common? They are all explained using complexity, an unsolved puzzle that many researchers believe is the key to predicting - and ultimately solving - everything from terrorist attacks and pandemic viruses right down to rush hour traffic congestion. Complexity is considered by many to be the single most important scientific development since general relativity and promises to make sense of no less than the very heart of the Universe. Using it, scientists can find order emerging from seemingly random interactions of all kinds, from something as simple as flipping coins through to more challenging problems such as predicting shopping habits, the patterns in modern jazz, and the growth of cancer tumours.

Designing Zero Carbon Buildings Using Dynamic Simulation Methods - Ljubomir Jankovic 2017-06-23
In addition to the application of fundamental principles that lead to a structured method for zero carbon design of buildings, this considerably expanded second edition includes new advanced topics on multi-objective optimisation; reverse modelling; reduction of the simulation performance gap; predictive control; nature-inspired emergent simulation leading to sketches that become 'alive'; and an alternative economics for achieving the sustainability paradigm. The book features student design work from a Master's programme run by the author, and their design speculation for a human settlement on Mars. Tasks for simple simulation experiments are available for the majority of topics, providing the material for classroom exercise and giving the reader an easy introduction into the field. Extended new case studies of zero carbon buildings are featured in the book, including schemes from Japan, China, Germany, Denmark and the UK, and provide the reader with an enhanced design toolbox to stimulate their own design thinking.

Trends und Szenarien als Werkzeuge zur Strategieentwicklung - Ulf Pillkahn 2008-06-25
Wie gut ist mein Unternehmen auf die Zukunft vorbereitet? Wie kann es sich besser vorbereiten und damit wettbewerbsfähiger werden? Wie man diese Fragen beantwortet, zeigt dieses Buch - geschrieben für Manager, Analysten, Berater, Trendscouts, Produktmanager, Entwickler, Planer im öffentlichen Bereich, Wissenschaftler und Forscher. Dazu stellt es die beiden wesentlichen Werkzeuge zur Zukunftsplanung vor, die Umweltanalyse auf der Basis von Trends und das Entwickeln von Zukunftsbildern mit Szenarien. Der Einsatz von Trends bei der Strategieentwicklung ist ein neuartiges Element im Rahmen der unternehmerischen Planung, das in den nächsten Jahren stark an Bedeutung gewinnen wird. Das Buch zeigt auf, warum effiziente Umweltbeobachtung eine wesentliche Grundlage für die Strategieentwicklung ist, warum Strategieentwicklung nur als kontinuierlicher Prozess funktioniert und welche Informationen man dazu braucht. Es beschreibt die Klassifikation von Trends und wie man aus der Vielfalt von Trends die wesentlichen Informationen herausfiltert. Außerdem zeigt es, wie man Szenarien als ganzheitliche Methode zur Zukunftsforschung einsetzt, wie die Ergebnisse aus Trendforschung und Szenariotechnik in die unternehmerische Strategieentwicklung einfließen, und es führt einen optimierten Prozess der Strategieentwicklung vor.

Komplexitätsmanagement - Michael Reiss 2020-09-09
In der Ökonomie wie in allen wissenschaftlichen Disziplinen beschreibt Komplexität eine Situation, in der eine Vielzahl und Vielfalt von interdependenten Faktoren einerseits für eine Komplexitätslast, andererseits aber auch für ein Komplexitätspotenzial sorgen. In derart schlecht strukturierten, risikobehafteten, intransparenten und volatilen Situationen ist es Aufgabe des Managements, eine Kongruenz von Last und Potenzial herzustellen. Dies gelingt durch eine aufeinander abgestimmte Vereinfachung der Komplexitätslast und eine Anreicherung der menschlichen und technischen Potenziale zu deren Handhabung. Dieses Fachbuch verdeutlicht theoretisch fundiert die praktische Bedeutung eines ausgewogenen Komplexitätsmanagements anhand von konzeptionellen Grundlagen sowie von Anwendungen in mehreren Managementsparten.

Using the Bootstrap Algorithm for Changing the Control Game - Petter Ogland 2018-03-22
'Using the Bootstrap Algorithm for Changing the Control Game' is clearly written and points are supported by real life case studies. Dr. Ogland demonstrates how a Total Quality Management strategy articulated through the use of bootstrap algorithms can be used to achieve world-class performance in challenging environments such as complex organisations saturated with power struggles and internal politics. The book features insights on critical systems thinking, game theory, quality management systems, the Efqm Business Excellence Model, self-assessment, and the implementation of Tqm. Case studies provide practical insights from twenty years of empirical research on how to

bootstrap Tqm and Business Excellence in complex environments. The ideas developed in the book have been acknowledged as a major contribution to the theory of Tqm, and the book itself is an indispensable resource for practitioners trying to implement Tqm in environments where traditional implementation methods are bound to fail.

Taming the Pound - Kim Stephenson 2011-10
Taming the Pound tells you everything you always wanted to know about handling your money. The book is designed to help you gain control of your money, instead of it controlling you. Whether you want to be able to talk about money with your partner, determine what you really want from your money, understand your spending habits or simply get a sense of financial control, Taming the Pound is a must read for creating success in life and work during the post credit crunch years. Using his unique experience as a qualified financial advisor, chartered and registered occupational psychologist, and qualified coach, author Kim Stephenson uses his consultancy experience to help people who want to get rid of their money worries and enjoy their lives. Using straightforward language, humour, cartoons and mixing current research with experience and anecdote, Taming the Pound provides the ultimate what you need to know guide for the person who does not have knowledge of, or interest in, complex finance. It explains both the real workings of the marketplace and the social and psychological influences at work on you when it comes to finances. So how do you make sensible decisions about finances and make money work for you? Read this practical, inspirational book, and then lend it to your bank manager! Kim Stephenson is unique, he s qualified and has practiced as both a psychologist and financial advisor. An accredited coach with over 25 years' consultancy experience, his website www.tamingthepound.com helps people handle money. He s appeared in The Guardian and FT, Financial Solutions, Therapy Today and on BBC radio stations and at numerous conferences.

The Science of Oneness - Malcolm Hollick 2011-03-16
The Science of Oneness weaves modern science together with experiential, spiritual and cultural knowledge. It presents a scientifically valid vision of reality that is conscious, creative, loving, and purposeful. It balances openness to all sources of knowledge with critical evaluation of their reliability. Each chapter offers experiential activities, thought-provoking questions and guided meditations to stimulate intuitive understanding. It provides a coherent world view for cultural creatives and the holism movement.

Complex Adaptive Leadership - Nick Obolensky 2017-03-02
Complex Adaptive Leadership argues leadership should not be something only exercised by nominated leaders. It is a complex dynamic process involving all those engaged in a particular enterprise. The theoretical background to this lies in complexity science and chaos theory - spoken and written about in the context of leadership for the last 20 years, but still little understood. We all seem intuitively to know leadership 'isn't what it used to be' but we still cling to old assumptions which look anachronistic in changing and challenging times. Organisations and their contexts are increasingly paradoxical and uncertain. A broader approach to leadership is needed. Nick Obolensky has practised leadership in the public, private and voluntary sectors. He has also researched it, and taught it over many years in leading business schools. In this exciting book he brings together his knowledge of theory, his own experience, and the results of 15 years of research involving 1,500 executives in 40 countries around the world. The main conclusion from that research is that the more complex things become, the less traditional directive leadership is needed. Those operating in the real world, nonetheless, need ways of coping. The book is focused on helping practitioners struggling to interpret and react to increasingly complex events. Arranged in four parts, it provides a number of exercises, tools and models that will help the reader to understand: - why the context for leadership has changed, and why complexities in organisations have emerged - what complexity is and what lessons can be drawn from this emergent area of scientific study - how Complex Adaptive Leadership can be exercised in a very practical way at two levels: organisationally and individually, and how to get more for less - the actions that can be taken when Complex Adaptive Leadership is applied. The book will particularly appeal to practitioners wishing to add to their knowledge of leadership theory.

Complex Adaptive Leadership - Mr Nick Obolensky 2014-11-28
Complex Adaptive Leadership, a Gower bestseller, has been taught in corporate leadership programmes, business schools and universities around the world to high acclaim. In this updated paperback edition, the author argues that leadership is a complex dynamic process and should

involve all those engaged in a particular enterprise. Nick Obolensky has practised, researched and taught leadership in the public, private and voluntary sectors, and in this exciting book he brings together his knowledge of theory, his own experience, and the results of 19 years of research involving 2,500 executives in 40 countries around the world.
Handbook on Entropy, Complexity and Spatial Dynamics - Reggiani, Aura 2021-12-14
This ground-breaking Handbook presents a state-of-the-art exploration of entropy, complexity and spatial dynamics from fundamental theoretical, empirical and methodological perspectives. It considers how foundational theories can contribute to new advances, including novel modeling and empirical insights at different sectoral, spatial and temporal scales.

Sustainability and Evolution, or why life becomes increasingly complex: The Interaction Theory - Michael J. Ruf 2018-12-14
Thanks to new, improving experimental techniques, modern biology is discovering a steadily growing body of new facts and data about the living nature. A good example of this advancement is the decryption of the complete genome of a rapidly increasing number of organisms, including humans. Regardless of these impressive results, however, there are still no satisfying answers to very basic questions of biology, such as "What is life?" and "Why does matter organize into biological forms that become more complex in the course of evolution?". The Interaction Theory by Michael J. Ruf assumes that this unsatisfying situation is not simply the consequence that certain experimental data are still missing. The lack of explanation of what life is actually and why simple molecules evolve into complex organisms rather reflects an existing conceptual problem that can only be solved with a radically new conceptual approach. Interaction Theory is the result of such a radically new approach to life and evolution. In contrast to conventional evolutionary theory, the generation sequences of living forms are considered to be the decisive quality of life. By clarifying how the continuation of these generation sequences can be sustainable over billions of years, new fundamental principles become obvious and the phenomenon of an increasing biological complexity understandable. As a result, a law-like process of biological complexity increase can be derived as immanent part of the evolution of life. This allows Interaction Theory to provide new answers to key questions such as why sexual reproduction, what species are and what life is. The theory is, however, not limited to cells and organisms and their evolution. It addresses the self-organization to higher complexity of all kinds of structures that are subject to an evolution through multiplication processes. This means that Interaction Theory also provides an understanding of why and how molecular networks, social communities and even societies become more complex over time.

World Politics at the Edge of Chaos - Emilian Kavalski 2015-04-17
Comprehensive overview of the inroads made by Complexity Thinking approaches and ideas in the study and practice of world politics. Why are policymakers, scholars, and the general public so surprised when the world turns out to be unpredictable? World Politics at the Edge of Chaos suggests that the study of international politics needs new forms of knowledge to respond to emerging challenges such as the interconnectedness between local and transnational realities; between markets, migration, and social movements; and between pandemics, a looming energy crisis, and climate change. Asserting that Complexity Thinking (CT) provides a much-needed lens for interpreting these challenges, the contributors offer a parallel assessment of the impact of CT to anthropocentric and non-anthropocentric (post-human) International Relations. Using this perspective, the result should be less surprise when confronting the dynamism of a fragile and unpredictable global life.

The Local Information Dynamics of Distributed Computation in Complex Systems - Joseph T. Lizier 2012-11-06
The nature of distributed computation in complex systems has often been described in terms of memory, communication and processing. This thesis presents a complete information-theoretic framework to quantify these operations on information (i.e. information storage, transfer and modification), and in particular their dynamics in space and time. The framework is applied to cellular automata, and delivers important insights into the fundamental nature of distributed computation and the dynamics of complex systems (e.g. that gliders are dominant information transfer agents). Applications to several important network models, including random Boolean networks, suggest that the capability for information storage and coherent transfer are maximised near the critical regime in certain order-chaos phase transitions. Further

applications to study and design information structure in the contexts of computational neuroscience and guided self-organisation underline the practical utility of the techniques presented here.

Untersuchung der Evaluierung von Einfachheit im Produktlebenszyklus - Fabian Pilz 2018-08-13

Essentieller Bestandteil der Produktentwicklung sind drei Gestaltungsgrundsätze: Diese fordern, dass ein Produkt „eindeutig", „einfach" und „sicher" sein soll. Bei näherer Betrachtung dieser drei Prinzipien wird ersichtlich, dass während „Eindeutigkeit" und „Sicherheit" über genau definierbare Zustände in einem System beschrieben werden können, Einfachheit keinen klaren Randbedingungen zu Grunde liegt. Die Beschreibung dieser Größe verläuft zumeist relativ. Ein häufig verwendeter Ansatz ist die Charakterisierung von Einfachheit über das nicht Vorhandensein von Komplexität. Es fehlen jedoch Kenngrößen und Strategien, welche den Status der Einfachheit bestimmen, bzw. zu deren Erzielung beitragen. Fraglich bleibt zum derzeitigen wissenschaftlichen Stand, wann ein Produkt als einfach und wann als komplex definiert werden kann. Sowohl technische als auch globalpolitische Errungenschaften führten in den vergangenen Jahren zu einer immensen Vernetzung von Informationen und globalen Beziehungen. Interne wie externe Prozesse und Kommunikationswege unterliegen einer ständigen Optimierung; nur so ist es Unternehmen möglich, auf Dauer im internationalen Wettbewerb zu bestehen. Auch die Funktionsvielfalt von Produkten steigt stetig an. Der zunehmenden Vernetzung von physischen Produkten mit virtuellen Systemen sind immer weniger Grenzen gesetzt. Dies resultiert in einer stetig steigenden Nachfrage nach einfacher und intuitiver Handhabung. Vor allem in den Bereichen der Produktentwicklung, der Unternehmensführung und der Produktinteraktion ist ein Bedürfnis nach einfachen Produkten und Prozessen zu erkennen. Ziel dieser Arbeit ist eine grundlegende Recherche und Verifizierung der Definition und Entstehung von Einfachheit. Dabei werden sowohl Phasen aus dem Produktlebenszyklus betrachtet, als auch weitere relevante und fächerübergreifende Bereiche. Diese verschiedenen Definitionen aus der Literatur werden auf ihre Gemeinsamkeiten und Unterschiede untersucht, um darauf aufbauend eine allgemeine Beschreibung von Einfachheit in Form von Kriterien aufzustellen. Gleichzeitig erfolgt eine Recherche zu den unterschiedlichen Erwartungen und Bedürfnissen der einzelnen Rollen im Produktlebenszyklus. Es wird untersucht, ob diese Erwartungen durch den Einsatz einfacher Produkte zu erfüllen sind. Abschließend werden zwei beispielhafte Produkte anhand der zuvor aufgestellten Erwartungen an Einfachheit untersucht.

International Encyclopedia of Organization Studies - Stewart Clegg 2008 Describing the field, spanning individual, organisation, societal and cultural perspectives in a cross-disciplinary manner, this is the premier reference tool for students, lecturers, academics and practitioners to gather knowledge about a range of important topics from the perspective of organisation studies.

Qualitative Research and Social Change - P. Cox 2008-11-03 Exploring the relationships between qualitative research and social change, this bookasks how social change is informed and influenced by research. Examples discussed are from research practice and experiences in the fields of sociology, social work, professional practice, education, criminal justice and anthropology."

Value Management - Roger H. Davies 2016-02-17

Change programmes in both private and public sectors have a poor record of delivering their intended value. The reasons given most often for their failure include lack of executive support or buy-in from key users, loose requirements definition, weak programme management, and plain wishful thinking. They rarely include technical limitations. Value Management puts forward the view that the true problem lies in failing to understand the causal links between the intended stakeholder outcomes and the actual programme outputs. Repeating the pattern of failure can be avoided by asking two questions: - Before implementation, what capabilities must a change programme deliver, when and in what order so as to cause intended value against a defined purpose with speed and certainty? - During and after implementation, what minor adjustments and/or major shifts are needed to be certain that the programme remains on purpose and on value? and two answers to be given: - Target, time and align change programmes to deliver maximum intended value to stakeholders - the baseline business case - track and respond to changes during and beyond implementation to ensure that the programme actually delivers or exceeds intended value - value realisation. The authors show how, by asking and answering these questions, direction and delivery of any programme can be clarified and

greater economic value achieved.

Mahabharata Now - Arindam Chakrabarti 2017-09-19 The Mahabharata is at once an archive and a living text, a sourcebook complete by itself and an open text perennially under construction. Driving home this striking contemporary relevance of the famous Indian epic, Mahabharata Now focuses on the issues of narration, aesthetics and ethics, as also their interlinkages. The cross-disciplinary essays in the volume imaginatively re-interpret the 'timeless' classic in the light of the pre-modern Indian narrative styles, poetics, aesthetic codes, and moral puzzles; the Western theories on modern ethics, aesthetics, metaphysics, psychoanalysis, and philosophy of science; and the contemporary social, ethical and political concerns. The essays are all united in their effort to situate the Mahabharata in the context of here and now without violating the sanctity of the 'written text' as we have it today. The book will be of interest to scholars and students of Indian and comparative philosophy, Indian and comparative literature, cultural studies, and history.

Cosmosapiens - John Hands 2017-10-23

Ein grundlegendes Werk mit dem Zeug zum Klassiker Was stand am Anfang unserer Welt? Woher kommt die Materie, die Energie, aus der sich alles entwickelte? Und wann begannen wir, darüber nachzudenken? John Hands fängt ganz von vorne an und zeigt die Grenzen unseres Wissens. Er greift aktuelle Diskussionen der Evolutionsbiologie und Neurogenetik auf, hinterfragt Konzepte wie kosmische Inflation, dunkle Energie und egoistische Gene. Spannend und klar verfolgt er die Entstehung des Lebens und die Entwicklung unseres Bewusstseins zurück, beschäftigt sich mit Sprache, Moral, Glauben und Religion. Er betrachtet den Menschen als soziales Wesen und deckt dabei Muster auf, die uns befähigen, die Zukunft der Evolution zu beeinflussen.

Theology that Matters - Darby Kathleen Ray What difference does theological thinking make? Does Christianity have any relevance for our secular, globalized, environmentally threatened world? Specifically formulated for undergraduate and seminary courses in theology, this volume answers a resounding yes. Gathering many respected and original Christian thinkers who have been inspired by the example and work of theologian Sallie McFague, this book engages such topics as God, Christ, revelation, eschatology, and church in three intertwined and pressing areas: (1) our religious life and language in a secularized, pluralistic society, (2) our newly globalized economic life, and (3) our threatened environmental life.

Teaching Innovation in University Education: Case Studies and Main Practices - Saura, Jose Ramon 2022-06-17

In the last decade, the development of new technologies has made innovation a fundamental pillar of education. Teaching innovation includes the evolution of both teaching and learning models to drive improvements in educational methodologies. Teaching innovation is a pioneer in the understanding and comprehension of the different teaching methodologies and models developed in the academic area. Teaching innovation is a process that seeks validation in the academic and teaching communities at universities in order to promote the improvement and its practices and uses in the future characterized by digital development and data-based methods. Teaching Innovation in University Education: Case Studies and Main Practices features the major practices and case studies of teaching innovation developed in recent years at universities. It is a source on study cases focused on teaching innovation methodologies as well as on the identification of new technologies that will help the development of initiatives and practices focused on teaching innovation at higher education institutions. Covering topics such as didactic strategics, service learning, and technology-based gamification, this premier reference source is an indispensable resource for pre-service teachers, lecturers, students, faculty, administrators, libraries, entrepreneurs, researchers, and academicians.

The New Leadership Challenge - Sheila C Grossman 2020-09-03 An easy-to-read, interactive approach helps you to identify the characteristics of leaders and followers and illustrates not only how, but also when to use the qualities associated with each to achieve professional and personal success.

Design and Information in Biology - J. A. Bryant 2007 Highlighted with individual contributions from eminent specialists, these multiauthored volumes combine authority, inspiration and state-of-the-art knowledge. Both informative and inspiring they are designed to appeal to scientists and interested laypeople alike. Volume 2 complements and extends the scope of the first, with the biological viewpoint being stressed. Following an introductory chapter on design as understood in biology, the various aspects of the biological information

revolution are addressed. Areas discussed include molecular structure, the genome, development, and neural networks. A section on information theory provides a link with engineering, and the scope is also broadened to include the implications of motion in nature and engineering.

Vision and Visual Perception - Duco A. Schreuder 2014-12-03
Vision is about insight, and visual perception is about cognition - and they form the foundation of how we see the world. Duco A. Schreuder, a physicist and psychologist, explores the finer details of each in this groundbreaking book that explores human consciousness and perception. Sharing virtually everything he's learned over a varied career spanning more than sixty years, he examines a wide array of topics, including how we understand what we visually process, how we store and retrieve information, the role that neurons play in how what we see, and much more. While Schreuder isn't afraid to disagree with other leading thinkers, he relies on science and focuses on the facts behind it so you can understand lighting, visual perception, engineering design, and applied and experimental physics. Looking is about insight, whereas seeing is about knowledge, and you need to know how each one works to truly understand how humanity views the world. Whether you're an illuminating engineer considering the fundamentals of the trade or a student or professional in an allied discipline, you'll be well served by taking a closer look at Vision and Visual Perception.

Schrödingers Kätzchen und die Suche nach der Wirklichkeit - John Gribbin 1998

Future Matters - Barbara Adam 2007-09-30
Future Matters concerns contemporary approaches to the future – how the future is known, created and minded. In a social world whose pace continues to accelerate the future becomes an increasingly difficult terrain. While the focus of social life is narrowing down to the present, the futures we create on a daily basis cast ever longer shadows. Future Matters addresses this paradox and its deep ethical implications.

Thinking - Nima Rezaei 2022-09-05
The "THINKING: Bioengineering of Science and Art" is to discuss about philosophical aspects of thinking at the context of Science and Art. External representations provide evidence that the fundamental process of thinking exists in both animal subjects and humans. However, the diversity and complexity of thinking in humans is astonishing because humans have been permitted to integrate scientific accounts into their accounts and create excellent illustrations for the effects of this integration. The book necessarily begins with the origins of human thinking and human thinking into self and others, body, and life. Multiple factors tend to modify the pattern of thinking. They all will come into play by this book that brings thinking into different disciplines: humanities, natural sciences, social sciences, formal sciences, and applied sciences. The thinking demands full processing of information, and therefore, the book considers the economy of thinking as well. The book thoroughly intends to explore thinking beyond the boundaries. Specifically, several chapters are devoted to discipline this exploration either by artistic thinking alone or by art and mathematics-aided engineering of complexities. In this manner, the book models variations on thinking at the individual and systems levels and accumulates a list of solutions, each good for specific scenarios and maximal outcomes.

Mechanism Design for Total Quality Management: Using the Bootstrap Algorithm for Changing the Control Game - Petter Ogland 2017-11-10
This PhD thesis contributes to the theory of information infrastructures by explaining how to use game theory and genetic algorithms for turning the pseudo-code of the bootstrap algorithm into proper code. The study is the first known study to analyse the bootstrap algorithm from an action research perspective, and it has become an important reference for further research on how to bootstrap information infrastructures.

Assessing Risk Assessment - Christian Hugo Hoffmann 2017-11-14
Christian Hugo Hoffmann undermines the citadel of risk assessment and management, arguing that classical probability theory is not an adequate foundation for modeling systemic and extreme risk in complex financial systems. He proposes a new class of models which focus on the knowledge dimension by precisely describing market participants' own positions and their propensity to react to outside changes. The author closes his thesis by a synthetical reflection on methods and elaborates on the meaning of decision-making competency in a risk management context in banking. By choosing this poly-dimensional approach, the purpose of his work is to explore shortcomings of risk management approaches of financial institutions and to point out how they might be overcome.

Evaluative Research Methods - Saville Kushner 2016-12-01
How do research students and their supervisors respond in a world of 'fake news', the destabilisation of public institutions and the rise of populism? The very foundations of our liberal democracies seem to be under threat, and this implicates social inquiry. Postgraduate research remains one of the few information spaces which are still free of politicisation and committed to validation. This book focuses on democracy in inquiry, and on the role of inquiry in a democracy – how research helps us to deliberate over what counts as of public value. It is a research methods book, but methods shaped by political and ethical purposes, and by the challenge of making judgements about what, in the public sphere, is worthy. We may be looking at a police training program, the siting of a clean energy project, a new school curriculum, maternal health program or an environmental adaptation project – in each case and in others like them we have to negotiate perspectives and claims, forge and justify a consensus, support competing stakeholders with the best information and analyses possible. And we have to make our work defensible – undeniable in the forum of public debate and exchange, examination and accountability. This book, full of examples from contemporary research projects, is designed to help navigate our way through the complexities of social research which focuses on judgements about public action. The book was written with research students and includes examples of their work. It recognises that supervisors often struggle as much as students in meeting the challenges of inquiry that involves some element of evaluative judgement – inquiry that potentially carries consequences. Where there are no quick-and-ready recipes, check-lists or theoretical frameworks – where we confront the particularities of the context in which the research takes place, we are all forced back onto good methodological thinking, and this is the pedagogical framing of the book.

Handbook on Complexity and Public Policy - Robert Geyer 2015-05-29
'Over recent years Complexity Science has revealed to us new limits to our possible knowledge and control in social, cultural and economic systems. Instead of supposing that past statistics and patterns will give us predictable outcomes for possible actions, we now know the world is, and will always be, creative and surprising. Continuous structural evolution within such systems may change the mechanisms, descriptors, problems and opportunities, often negating policy aims. We therefore need to redevelop our thinking about interventions, policies and policy making, moving perhaps to a humbler, more 'learning' approach. In this Handbook, leading thinkers in multiple domains set out these new ideas and allow us to understand how these new ideas are changing policymaking and policies in this new era.' - Peter M Allen, Cranfield University, UK