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Managing Engineering, Construction and Manufacturing Projects to PMI, APM and BSI Standards UCL Press

This is a philosophical work that develops a general theory of ontological objects and object-relations. It does this by examining concepts as acquired dispositions, and then focuses on perhaps the most important of these: the concept of learning. This concept is important because everything that we know and do in the world is predicated on a prior act of learning. A concept can have many meanings and can be used in a number of different ways, and this creates difficulty when considering the nature of objects and the relationships between them. To enable this, David Scott answers a series of questions about concepts in general and the concept of learning in particular. Some of these questions are: What is learning? What different meanings can be given to the notion of learning? How does the concept of learning relate to other concepts, such as innatism, development and progression? The book offers a counter-argument to empiricist conceptions of learning, to the propagation of simple messages about learning, knowledge, curriculum and assessment, and to the denial that values are central to understanding how we live. It argues that values permeate everything: our descriptions of the world, the attempts we make at creating better futures and our relations with

other people. Speculations in Contemporary Drawing for Art and Architecture Bernan Press(PA) Is it possible to bring university research and student education into a more connected, more symbiotic relationship? If so, can we develop programmes of study that enable faculty, students and ‘ real world ’ communities to connect in new ways? In this accessible book, Dilly Fung argues that it is not only possible but also potentially transformational to develop new forms of research-based education. Presenting the Connected Curriculum framework already adopted by UCL, she opens windows onto new initiatives related to, for example, research-based education, internationalisation, the global classroom, interdisciplinarity and public engagement. A Connected Curriculum for Higher Education is, however, not just about developing engaging programmes of study. Drawing on the field of philosophical hermeneutics, Fung argues how the Connected Curriculum framework can help to create spaces for critical dialogue about educational values, both within and across existing research groups, teaching departments and learning communities. Drawing on vignettes of practice from around the world, she argues that developing the synergies between research and education can empower faculty members and students from all backgrounds to contribute to the global common good.

Doing Research in Education UCL Press

Throughout history and across social and cultural contexts, most systems of belief—whether religious or secular—have ascribed wisdom to those who see reality as that which transcends the merely material. Yet, as the studies collected here show, the immaterial is not easily separated from the material. Humans are defined, to an extraordinary degree, by their expressions of immaterial ideals through material forms. The essays in Materiality explore varied manifestations of materiality from ancient times to the present. In assessing the fundamental role of materiality in shaping humanity, they signal the need to

decenter the social within social anthropology in order to make room for the material. Considering topics as diverse as theology, technology, finance, and art, the contributors—most of whom are anthropologists—examine the many different ways in which materiality has been understood and the consequences of these differences. Their case studies show that the latest forms of financial trading instruments can be compared with the oldest ideals of ancient Egypt, that the promise of software can be compared with an age-old desire for an unmediated relationship to divinity. Whether focusing on the theology of Islamic banking, Australian Aboriginal art, derivatives trading in Japan, or textiles that respond directly to their environment, each essay adds depth and nuance to the project that Materiality advances: a profound acknowledgment and rethinking of one of the basic properties of being human. Contributors. Matthew Engelke, Webb Keane, Susanne K ü chler, Bill Maurer, Lynn Meskell, Daniel Miller, Hirokazu Miyazaki, Fred Myers, Christopher Pinney, Michael Rowlands, Nigel Thrift

Techniques and Sample Outputs that Drive Business Excellence Springer Science & Business Media

Many organizations are looking for that magic tool or methodology that will suddenly transform them into outstanding organizations. Unfortunately, there is no one right answer for all organizations or even for a single organization. Successful organizations skillfully integrate the appropriate improvement approaches with honesty, commitment, and constancy of purpose across all levels of management. This book, part of The Little Big Book series, discusses the most common set of tools and methodologies used in managerial, strategic planning, project selection, and organizational improvement projects that are referred to throughout The Little Big Book series. It presents, in a concise no-nonsense format, the concepts and techniques that must be mastered by project managers and anyone tasked with managing an improvement project. The

tools covered in this book include affinity diagrams, brainstorming, cause-and-effect diagrams, the Kano model, organizational process improvement, Pareto analysis, project management, risk management, root cause analysis, storyboarding, value propositions, and workflow diagrams. Because of the large number of tools and techniques covered, the book supplies concise operating guidance for each tool that is adequate to prepare readers to understand and use that tool. It also includes examples of how the tools are used. The book provides a basic understanding of the tools you need to improve the processes you are currently using to manage your organization and, ultimately, to improve the quality, productivity, and agility of the products or services you are delivering to your customers. The tools presented in this book are the essential tools that all organizations should be using. By understanding and using the tools covered in this book, you will possess a better overall understanding of the way your organization needs to function in today's increasingly competitive environment. This book is designed to supplement and provide additional direction in the use of the methodologies defined in the other books in The Little Big Book series

Quantitative Methods for Project Management CRC Press

Drawing Futures brings together international designers and artists for speculations in contemporary drawing for art and architecture. Despite numerous developments in technological manufacture and computational design that provide new grounds for designers, the act of drawing still plays a central role as a vehicle for speculation. There is a rich and long history of drawing tied to innovations in technology as well as to revolutions in our philosophical understanding of the world. In reflection of a society now underpinned by computational networks and interfaces allowing hitherto unprecedented views of the world, the changing status of the drawing and its representation as a political act demands a platform for reflection and innovation. Drawing Futures will present a compendium of projects, writings and interviews that critically reassess the act of drawing and where its future may lie. Drawing Futures focuses on the discussion of how the field of drawing may expand synchronously alongside technological and computational developments. The book coincides with an international conference of the same name, taking place at The Bartlett School of Architecture, UCL, in November 2016. Bringing together practitioners from many creative fields, the book discusses how drawing is changing in relation to new

technologies for the production and dissemination of ideas.

Management for Productivity World Bank Publications

This book constitutes the refereed proceedings of the 5th IEEE International Workshop on IP Operations and Management, IPOM 2005, held in Barcelona, Spain, in October 2005. The 21 revised full papers presented were carefully reviewed and selected for inclusion in the book. They are organized in topical sections on operations and management for VoIP, IMS and managed IP services, management of open interfaces, QoS and pricing in NGNs, autonomic communications, policy-based management, routing and topologies, routing and tools, as well as experiences from testbeds and trials.

Digital Design and Computer Architecture, RISC-V Edition UCL Press

Historically, the term quality was used to measure performance in the context of products, processes and systems. With rapid growth in data and its usage, data quality is becoming quite important. It is important to connect these two aspects of quality to ensure better performance. This book provides a strong connection between the concepts in data science and process engineering that is necessary to ensure better quality levels and takes you through a systematic approach to measure holistic quality with several case studies. Features: Integrates data science, analytics and process engineering concepts Discusses how to create value by considering data, analytics and processes Examines metrics management technique that will help evaluate performance levels of processes, systems and models, including AI and machine learning approaches Reviews a structured approach for analytics execution

SAVE Proceedings UCL Press

The Practical, Easy-to-Use Guide to Lean Sigma Problem-Solving Lean Sigma delivers results—if you use the right tools and techniques. In Lean Sigma: A Practitioner's Guide, Dr. Ian Wedgwood captures best-practice Lean Sigma experience from multiple projects and industries, helping any professional identify the solution that will work best—and implement it. Wedgwood's exclusive "project roadmaps" present the fastest, most effective route to solving a wide range of problems—and explain why those solutions make sense. His "discovery roadmaps" help you identify potential Lean Sigma projects, even in processes where there are no obvious targets. The heart of Lean Sigma is Wedgwood's 48 individual "tools roadmaps": step-by-step instructions revealing exactly how

and when to use all these Lean Sigma tools... • 5 Whys • 5S • Affinity • ANOVA • Boxplots • Capability tools • Cause & effect matrices • Chi-Square • Control charts • Critical path analyses • Customer tools • Demand tools • DOE tools • Fishbone diagrams • Handoff maps • KPOVs • Load charts • MSA tools • Multi-Cycle analyses • Multi-Vari studies • Murphy's analyses • Normality tests • OEE • Pareto charts • Poka Yoke • Process FMEA • Process variables (I/O) maps • Project charter • Pull systems & Kanban • Rapid changeover • Regression • SIPOC

On Learning John Wiley & Sons

This professional book is designed for managers involved in the use of quantitative techniques to solve accounting-based problems. Belkaoui takes the reader in hand and carefully reviews the mathematical and statistical techniques needed to understand quantitative models, and then introduces those models of relevance to accounting areas of cost-volume-profit analysis, cost estimation, linear programming, cost control, inventory models, capital budgeting, and network analysis. CRC Press

Little did Isaac Newton, Charles Darwin and other 'gentlemen scientists' know, when they were making their scientific discoveries, that some centuries later they would inspire a new field of scientific practice and innovation, called citizen science. The current growth and availability of citizen science projects and relevant applications to support citizen involvement is massive; every citizen has an opportunity to become a scientist and contribute to a scientific discipline, without having any professional qualifications. With geographic interfaces being the common approach to support collection, analysis and dissemination of data contributed by participants, 'geographic citizen science' is being approached from different angles. Geographic Citizen Science Design takes an anthropological and Human-Computer Interaction (HCI) stance to provide the theoretical and methodological foundations to support the design, development and evaluation of citizen science projects and their user-friendly applications. Through a careful selection of case studies in the urban and non-urban contexts of the Global North and South, the chapters provide insights into the design and interaction barriers, as well as on the lessons learned from the engagement of a diverse set of participants; for example, literate and non-literate people with a range of technical skills, and with different cultural backgrounds. Looking at the field through the lenses of specific case studies, the book captures the current state of the art in

research and development of geographic citizen science and provides critical insight to inform technological innovation and future research in this area.

Geographic Citizen Science Design Morgan Kaufmann

This book presents the first detailed mathematical analysis of the social, cognitive and experiential properties of Modernist domestic architecture. The Modern Movement in architecture, which came to prominence during the first half of the twentieth century, may have been famous for its functional forms and machine-made aesthetic, but it also sought to challenge the way people inhabit, understand and experience space. Ludwig Mies van der Rohe's buildings were not only minimalist and transparent, they were designed to subvert traditional social hierarchies. Frank Lloyd Wright's organic Modernism not only attempted to negotiate a more responsive relationship between nature and architecture, but also shape the way people experience space. Richard Neutra's Californian Modernism is traditionally celebrated for its sleek, geometric forms, but his intention was to use design to support a heightened understanding of context. Glenn Murcutt's pristine pavilions, seemingly the epitome of regional Modernism, actually raise important questions about the socio-spatial structure of architecture. Rather than focussing on form or style in Modernism, this book examines the spatial, social and experiential properties of thirty-seven designs by Wright, Mies, Neutra and Murcutt. The computational and mathematical methods used for this purpose are drawn from space syntax, isovist geometry and graph theory. The specific issues that are examined include: the sensory and emotional appeal of space and form; shifting social and spatial structures in architectural planning; wayfinding and visual understanding; and the relationship between form and program.

Mapping Society Prentice Hall PTR

This unique study offers a comprehensive analysis of American jurisprudence from its emergence in the later stages of the nineteenth century through to the present day. The author argues that it is a mistake to view American jurisprudence as a collection of movements and schools which have emerged in opposition to each other. By offering a highly original analysis of legal formalism, legal realism, policy

science, process jurisprudence, law and economics, and critical legal studies, he demonstrates that American jurisprudence has evolved as a collection of themes which reflect broader American intellectual and cultural concerns.

Planning the Development of Universities Tata McGraw-Hill Education

A practical introduction perfect for final-year undergraduate and graduate students without a solid background in linear algebra and calculus.

John Wiley & Sons

About the Book : - Written by a Six Sigma Master Black Belt and a Ph.D., this practical guide to Lean Six Sigma project execution follows the DMAIC (Define, Measure, Analyze, Improve, and Control) roadmap. The many real-world examples used in the book offer in-depth theoretical analyses and are implemented using the two most popular statistical software suites--SigmaXL and Minitab. This expert resource covers Lean topics ranging from basic data analysis to complex design of experiments and statistical process control. Harness the power of SigmaXL and Minitab and enable sustained positive operational results throughout your organization with help from this authoritative guide. Lean Six Sigma Using SigmaXL and Minitab explains how to: Define the project goals, project manager, value statement, stakeholders, and risk Schedule tasks using the Gantt chart, critical path analysis, and program evaluation and review technique Capture the voice of internal and external customers Assess the cost of quality Gather data and measure process performance Perform process capabilities analysis Issa Bass is a Master Black Belt and senior consultant with Manor House and Associates. He is the founding editor of SixSigmaFirst.com. Bass has extensive experience in quality and operations management, and is also the author of Six Sigma Statistics with Minitab and Excel. Barbara Lawton, Ph.D., is a Six Sigma Black Belt

Critical Medical Anthropology Butterworth-Heinemann

Climate change and globalisation are opening up the Arctic for exploitation by the world – or so we are told. But what about the views, interests and needs of the peoples who live in the region? This volume explores the opportunities and limitations in engaging with the Arctic under change, and the Arctic peoples experiencing the changes, socially and physically. With essays by both academics and Arctic peoples, integrating multiple perspectives and multiple disciplines, the book covers social, legal, political, geographical, scientific and creative questions related to Arcticness, to address the challenges faced by the Arctic as a region and

specifically by local communities. As well as academic essays, the contributions to the book include personal reflections, a graphic Topics covered in the essays include indigenous identity and livelihoods such as reindeer herding, and adapting to modern identities; a graphic essay on the experience of Arctic indigenous peoples in residential schools; the effects of climate change; energy in the Arctic; and extractive industries and their impacts on local communities.essay, and poetry, to ensure wide and varied coverage of the Arctic experience – what the contributions all have in common is the fundamental human perspective. The book includes reflections on the future of Arcticness, engaging with communities to ensure meaningful representation and as a counterpoint to the primacy of environmental, national and global issues.

Mathematical Reviews Clarendon Press

This book will help you to plan, design and conduct quality research within the specific context of education and educational studies. An impressive cast of contributors discuss the reality of conducting research in different educational settings and provide practical advice for both undergraduate and postgraduate students and early career researchers doing research in education. The book discusses key philosophical issues such as understanding research paradigms, ethics and selecting appropriate methodologies but remains grounded in the practical experience of the researcher. It has comprehensive coverage of the whole research process from start to finish, is easy to navigate and helps develop key skills such as: Time management Creating good research questions and hypotheses Constructing the literature review Structuring a project Writing a proposal Managing data Analysing data Writing for specific audiences Packed full of learning features and showcasing a wide range of voices and opinions this book is an ideal guide for anyone conducting research in education or educational studies.

MATLAB for Neuroscientists Praeger

This Climate Change Public Expenditure and Institutional Review Sourcebook (CCPEIR) seeks to provide practitioners with the tools and information needed to respond to the public expenditure policy and management challenges arising from climate change. It is a series of notes and supporting materials written as a first step towards consolidating current research and international experience, identifying emerging practice and providing practical and applicable guidance for staff of central finance agencies, development agencies, environmental agencies and other international organizations working on

climate change issues. In addition to emphasizing the importance of strengthening national systems throughout, the Sourcebook focuses on the specific public expenditure policy and management challenges posed by climate change, such as decision-making in the face of uncertain future climate conditions, expenditure planning for extreme weather and climate events, the lack of agreed budget definition and classification of climate change activities.

Power and Voice from the North Birkhäuser

MATLAB for Neuroscientists serves as the only complete study manual and teaching resource for MATLAB, the globally accepted standard for scientific computing, in the neurosciences and psychology. This unique introduction can be used to learn the entire empirical and experimental process (including stimulus generation, experimental control, data collection, data analysis, modeling, and more), and the 2nd Edition continues to ensure that a wide variety of computational problems can be addressed in a single programming environment. This updated edition features additional material on the creation of visual stimuli, advanced psychophysics, analysis of LFP data, choice probabilities, synchrony, and advanced spectral analysis. Users at a variety of levels—advanced undergraduates, beginning graduate students, and researchers looking to modernize their skills—will learn to design and implement their own analytical tools, and gain the fluency required to meet the computational needs of neuroscience practitioners. The first complete volume on MATLAB focusing on neuroscience and psychology applications Problem-based approach with many examples from neuroscience and cognitive psychology using real data Illustrated in full color throughout Careful tutorial approach, by authors who are award-winning educators with strong teaching experience

A Connected Curriculum for Higher Education John Wiley & Sons

Winner of the IIE Book of the Month for June 2012 A project can be simple or complex. In each case, proven project management processes must be followed. In all cases of project management implementation, control must be exercised in order to assure that project objectives are achieved. Statistical Techniques for Project Control seamlessly integrates qualitative and quantitative tools and techniques for project control. It fills the void that exists in the application of statistical techniques to project

control. The book begins by defining the fundamentals of project management then explores how to temper quantitative analysis with qualitative human judgment that makes project control nebulous but also offers opportunities to innovate and be creative in achieving control. The authors then discuss the three factors (time, budget, and performance) that form the basis of the operating characteristics of a project that also help determine the basis for project control. They then focus on computational network techniques for project schedule (time) control. Although designed as a practical guide for project management professionals, the book also appeals to students, researchers, and instructors.

Bayesian Reasoning and Machine Learning UCL Press
Lean SigmaA Practitioner's GuidePrentice Hall PTR