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The Kimball Group Reader
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Forensics and Forensic Investigations:
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Practice Irresistible Learning Formal Methods
for Components and Objects Forensics in
Telecommunications, Information and
Multimedia School Leadership and Educational
Change in Singapore Strengthening Sector
Policies for Better Food Security and Nutrition
Results: Advances in Human-Computer
Interaction Electronic Business: Concepts,
Methodologies, Tools, and Applications
Understanding Your Users

The breakthrough process used by more than
500,000 sales professionals worldwide! The
Solution Selling Fieldbook helps you integrate
the plan's nuts-and-bolts techniques into your
own day-to-day practices, and immediately gain
access to key decision makers, diagnose buyers'
business issues, and increase top-line sales.
Building on the processes, principles, and
management systems outlined in The New
Solution Selling, this practitioner's workbook
features: A complete step-by-step blueprint for
sales success A trial copy of Solution Selling
software A valuable Solution Selling CD-ROM
that includes tools, templates, and sales letters
Includes Exclusive Solution Selling Software on
CD-ROM More than 120 work sheets on
negotiating, opportunity assessments,
implementation plans, and more Letters/e-mail
templates Coaching on Solution Selling
techniques Import/export capabilities Links to
more Solution Selling content This book is a
practical guide to more effective delivery of

capital infrastructure projects. Current manuals tend to be impractical and heavy on terminology with an unnatural focus on the project management requirements over the actual deliverable, the infrastructure. This book addresses how to effectively deliver infrastructure projects and provides practical tools, methods, and procedures to enable a diligent project manager to increase their productivity and delivery of infrastructure (from typical 35% to as high as 95%). To enable effective implementation, strategies are laid out for a conscientious Project Manager to better communicate clearly, completely, and effectively with all project stakeholders. Put into practice today's winning strategy for achieving success in high-end sales! The SPIN Selling Fieldbook is your guide to the method that has revolutionized big-ticket sales in the United States and globally. It's the method being used by one-half of all Fortune 500 companies to train their sales forces, and here's the interactive, hands-on field

book that provides the practical tools you need to put this revolutionary method into action immediately. The SPIN Selling Fieldbook includes: Individual diagnostic exercises Illustrative case studies from leading companies Practical planning suggestions Provocative questionnaires Practice sessions to prepare you for dealing with challenging selling situations Written by the pioneering author of the original bestseller, SPIN Selling, this book is aimed at making implementation easy for companies that have not yet established SPIN techniques. It will also enable companies that are already using the method to reinforce SPIN methods in the field and in coaching sessions. Issues in Healthcare Technology and Design / 2011 Edition is a ScholarlyEditions™ eBook that delivers timely, authoritative, and comprehensive information about Healthcare Technology and Design. The editors have built Issues in Healthcare Technology and Design: 2011 Edition on the vast information databases of ScholarlyNews.™ You

can expect the information about Healthcare Technology and Design in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Issues in Healthcare Technology and Design: 2011 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>. The final edition of the incomparable data warehousing and business intelligence reference, updated and expanded The Kimball Group Reader, Remastered Collection is the essential reference for data warehouse and business intelligence design, packed with best practices, design tips,

and valuable insight from industry pioneer Ralph Kimball and the Kimball Group. This Remastered Collection represents decades of expert advice and mentoring in data warehousing and business intelligence, and is the final work to be published by the Kimball Group. Organized for quick navigation and easy reference, this book contains nearly 20 years of experience on more than 300 topics, all fully up-to-date and expanded with 65 new articles. The discussion covers the complete data warehouse/business intelligence lifecycle, including project planning, requirements gathering, system architecture, dimensional modeling, ETL, and business intelligence analytics, with each group of articles prefaced by original commentaries explaining their role in the overall Kimball Group methodology. Data warehousing/business intelligence industry's current multi-billion dollar value is due in no small part to the contributions of Ralph Kimball and the Kimball Group. Their publications are the standards on

which the industry is built, and nearly all data warehouse hardware and software vendors have adopted their methods in one form or another. This book is a compendium of Kimball Group expertise, and an essential reference for anyone in the field. Learn data warehousing and business intelligence from the field's pioneers Get up to date on best practices and essential design tips Gain valuable knowledge on every stage of the project lifecycle Dig into the Kimball Group methodology with hands-on guidance Ralph Kimball and the Kimball Group have continued to refine their methods and techniques based on thousands of hours of consulting and training. This Remastered Collection of The Kimball Group Reader represents their final body of knowledge, and is nothing less than a vital reference for anyone involved in the field. This book constitutes the thoroughly refereed post-conference proceedings of the Third International ICST Conference on Forensic Applications and

Techniques in Telecommunications, Information and Multimedia, E-Forensics 2010, held in Shanghai, China, in November 2010. The 32 revised full papers presented were carefully reviewed and selected from 42 submissions in total. These, along with 5 papers from a collocated workshop of E-Forensics Law, cover a wide range of topics including digital evidence handling, data carving, records tracing, device forensics, data tamper identification, and mobile device locating. A practical approach to strategy that demands logical thinking, rather than high level mathematics, in order to put theory into practice. It offers coherent guidance to combat potentially diverse and complex strategic decisions. Apply Open Source Intelligence (OSINT) techniques, methods, and tools to acquire information from publicly available online sources to support your intelligence analysis. Use the harvested data in different scenarios such as financial, crime, and terrorism investigations as well as performing business

competition analysis and acquiring intelligence about individuals and other entities. This book will also improve your skills to acquire information online from both the regular Internet as well as the hidden web through its two sub-layers: the deep web and the dark web. The author includes many OSINT resources that can be used by intelligence agencies as well as by enterprises to monitor trends on a global level, identify risks, and gather competitor intelligence so more effective decisions can be made. You will discover techniques, methods, and tools that are equally used by hackers and penetration testers to gather intelligence about a specific target online. And you will be aware of how OSINT resources can be used in conducting social engineering attacks. Open Source Intelligence Methods and Tools takes a practical approach and lists hundreds of OSINT resources that can be used to gather intelligence from online public sources. The book also covers how to anonymize your digital identity online so you

can conduct your searching activities without revealing your identity. What You'll Learn Identify intelligence needs and leverage a broad range of tools and sources to improve data collection, analysis, and decision making in your organization Use OSINT resources to protect individuals and enterprises by discovering data that is online, exposed, and sensitive and hide the data before it is revealed by outside attackers Gather corporate intelligence about business competitors and predict future market directions Conduct advanced searches to gather intelligence from social media sites such as Facebook and Twitter Understand the different layers that make up the Internet and how to search within the invisible web which contains both the deep and the dark webs Who This Book Is For Penetration testers, digital forensics investigators, intelligence services, military, law enforcement, UN agencies, and for-profit/non-profit enterprises Showcasing exemplars of how various aspects of design research were

successfully transitioned into and influenced, design practice, this book features chapters written by eminent international researchers and practitioners from industry on the Impact of Design Research on Industrial Practice. Chapters written by internationally acclaimed researchers of design analyse the findings (guidelines, methods and tools), technologies/products and educational approaches that have been transferred as tools, technologies and people to transform industrial practice of engineering design, whilst the chapters that are written by industrial practitioners describe their experience of how various tools, technologies and training impacted design practice. The main benefit of this book, for educators, researchers and practitioners in (engineering) design, will be access to a comprehensive coverage of case studies of successful transfer of outcomes of design research into practice; as well as guidelines and platforms for successful transfer

of research into practice. This Festschrift volume is published to honour both Dines Bjørner and Zhou Chaochen on the occasion of their 70th birthdays. The volume includes 25 refereed papers by leading researchers, current and former colleagues, who congregated at a celebratory symposium held in Macao, China, in the course of the International Colloquium on Theoretical Aspects of Computing, ICTAC 2007. The papers cover a broad spectrum of subjects. As computer and internet technologies continue to advance at a fast pace, the rate of cybercrimes is increasing. Crimes employing mobile devices, data embedding/mining systems, computers, network communications, or any malware impose a huge threat to data security, while cyberbullying, cyberstalking, child pornography, and trafficking crimes are made easier through the anonymity of the internet. New developments in digital forensics tools and an understanding of current criminal activities can greatly assist in minimizing attacks on

individuals, organizations, and society as a whole. *Digital Forensics and Forensic Investigations: Breakthroughs in Research and Practice* addresses current challenges and issues emerging in cyber forensics and new investigative tools and methods that can be adopted and implemented to address these issues and counter security breaches within various organizations. It also examines a variety of topics such as advanced techniques for forensic developments in computer and communication-link environments and legal perspectives including procedures for cyber investigations, standards, and policies. Highlighting a range of topics such as cybercrime, threat detection, and forensic science, this publication is an ideal reference source for security analysts, law enforcement, lawmakers, government officials, IT professionals, researchers, practitioners, academicians, and students currently investigating the up-and-coming aspects

surrounding network security, computer science, and security engineering. With the *Handbook of Action Research* hailed as a turning point in how action research is framed and understood by scholars, this paperback edition of the First Edition has been structured to provide an easy inroad into the field for researchers and students. It includes concise chapter summaries and an informative introduction that draws together the different strands of action research and reveals their diverse applications as well as their interrelations. Density Functional Theory (DFT) is currently receiving a great deal of attention as chemists come to realize its important role as a tool for chemistry. This book covers the theoretical principles of DFT, and details its application to several contemporary problems. All current techniques are covered, many are critically assessed, and some proposals for the future are reviewed. The book demonstrates that DFT is a practical solution to the problems standard ab initio methods have

with chemical accuracy. The book is aimed at both the theoretical chemist and the experimentalist who want to relate their experiments to the governing theory. It will prove a useful and enduring reference work. Computational Fluid Dynamics (CFD) has made remarkable progress in the last two decades and is becoming an important, if not inevitable, analytical tool for both fundamental and practical fluid dynamics research. The analysis of flow fields is important in the sense that it improves the researcher's understanding of the flow features. CFD analysis also indirectly helps the design of new aircraft and/or spacecraft. However, design methodologies are the real need for the development of aircraft or spacecraft. They directly contribute to the design process and can significantly shorten the design cycle. Although quite a few publications have been written on this subject, most of the methods proposed were not used in practice in the past due to an immature research level and

restrictions due to the inadequate computing capabilities. With the progress of high-speed computers, the time has come for such methods to be used practically. There is strong evidence of a growing interest in the development and use of aerodynamic inverse design and optimization techniques. This is true, not only for aerospace industries, but also for any industries requiring fluid dynamic design. This clearly shows the matured engineering need for optimum aerodynamic shape design methodologies. Therefore, it seems timely to publish a book in which eminent researchers in this area can elaborate on their research efforts and discuss it in conjunction with other efforts. This book presents revised tutorial lectures given by invited speakers at the First International Symposium on Formal Methods for Components and Objects, FMCO 2002, held in Leiden, The Netherlands, in November 2002. The 21 revised lectures by leading researchers present a comprehensive account of the potential of formal

methods applied to complex software systems such as components and object systems. The book makes a unique contribution to bridging the gap between theory and practice in software engineering. This book is a practical handbook for entrepreneurship in tourism related industries. The book will provide students and prospective entrepreneurs with the knowledge, know-how and best practices in order to assist them in planning, implementing and managing business ventures in the field of tourism. How can we make sure that the software we build does what it is supposed to? This book provides an insight into established techniques which help developers to overcome the complexity of software development by constructing models of software systems in early design stages. It uses one of the leading formal methods, VDM (Vienna Development Method), and combines training in the formalism with industry-strength tool support and examples derived from real industrial applications. The principles taught

here also apply to many of the current generation of formal methods. This second edition has been updated to include advanced online tool support for formal modelling as well as up-to-date reports on real commercial applications in areas as diverse as business information systems and firmware design. We live in a wireless society, one where convenience and accessibility determine the efficacy of the latest electronic gadgets and mobile devices. Making the most of these technologies—and ensuring their security against potential attackers—requires increased diligence in mobile technology research and development. *Mobile Computing and Wireless Networks: Concepts, Methodologies, Tools, and Applications* brings together a comprehensive range of voices and research in the area of mobile and wireless technologies, exploring the successes and failures, advantages and drawbacks, and benefits and limitations of the technology. With applications in a plethora of

different research and topic areas, this multi-volume reference work benefits researchers, service providers, end-users, and information technology professionals. This four-volume reference work includes a diverse array of chapters and authors covering topics such as m-commerce, network ethics, mobile agent systems, mobile learning, communications infrastructure, and applications in fields such as business, healthcare, government, tourism, and more. The goal of this book is to put an array of tools at the fingertips of students, practitioners, and researchers by explaining approaches long used by survey statisticians, illustrating how existing software can be used to solve survey problems, and developing some specialized software where needed. This volume serves at least three audiences: (1) students of applied sampling techniques; 2) practicing survey statisticians applying concepts learned in theoretical or applied sampling courses; and (3) social scientists and other survey practitioners

who design, select, and weight survey samples. The text thoroughly covers fundamental aspects of survey sampling, such as sample size calculation (with examples for both single- and multi-stage sample design) and weight computation, accompanied by software examples to facilitate implementation. Features include step-by-step instructions for calculating survey weights, extensive real-world examples and applications, and representative programming code in R, SAS, and other packages. Since the publication of the first edition in 2013, there have been important developments in making inferences from nonprobability samples, in address-based sampling (ABS), and in the application of machine learning techniques for survey estimation. New to this revised and expanded edition:

- Details on new functions in the PracTools package
- Additional machine learning methods to form weighting classes
- New coverage of nonlinear optimization algorithms for sample allocation
- Reflecting

effects of multiple weighting steps (nonresponse and calibration) on standard errors • A new chapter on nonprobability sampling • Additional examples, exercises, and updated references throughout

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"new guru" of the corporate world; here he offers executives a step-by-step guide to building "learning organizations" of their own. Cyber security has become a topic of concern over the past decade as private industry, public administration, commerce, and communication have gained a greater online presence. As many individual and organizational activities continue to evolve in the digital sphere, new vulnerabilities arise. *Cyber Security and Threats: Concepts, Methodologies, Tools, and Applications* contains a compendium of the latest academic material on new methodologies and applications in the areas of digital security and threats. Including innovative studies on cloud security, online threat protection, and cryptography, this multi-volume book is an ideal source for IT specialists, administrators, researchers, and students interested in uncovering new ways to thwart cyber breaches and protect sensitive digital information. Risk control, capital allocation, and realistic

derivative pricing and hedging are critical concerns for major financial institutions and individual traders alike. Events from the collapse of Lehman Brothers to the Greek sovereign debt crisis demonstrate the urgent and abiding need for statistical tools adequate to measure and anticipate the amplitude of potential swings in the financial markets—from ordinary stock price and interest rate moves, to defaults, to those increasingly frequent "rare events" fashionably called black swan events. Yet many on Wall Street continue to rely on standard models based on artificially simplified assumptions that can lead to systematic (and sometimes catastrophic) underestimation of real risks. In *Practical Methods of Financial Engineering and Risk Management*, Dr. Rupak Chatterjee—former director of the multi-asset quantitative research group at Citi—introduces finance professionals and advanced students to the latest concepts, tools, valuation techniques, and analytic measures being deployed by the more

discerning and responsive Wall Street practitioners, on all operational scales from day trading to institutional strategy, to model and analyze more faithfully the real behavior and risk exposure of financial markets in the cold light of the post-2008 realities. Until one masters this modern skill set, one cannot allocate risk capital properly, price and hedge derivative securities realistically, or risk-manage positions from the multiple perspectives of market risk, credit risk, counterparty risk, and systemic risk. The book assumes a working knowledge of calculus, statistics, and Excel, but it teaches techniques from statistical analysis, probability, and stochastic processes sufficient to enable the reader to calibrate probability distributions and create the simulations that are used on Wall Street to value various financial instruments correctly, model the risk dimensions of trading strategies, and perform the numerically intensive analysis of risk measures required by various regulatory agencies. Enhances libraries

worldwide through top research compilations from over 250 international authors in the field of e-business. Historically, the major Library and Information Science (LIS) research-producing centers of the world have largely been the universities and information institutions of North America, the United Kingdom, and Europe. This is changing with the growth of Asian economies, universities, and information industries. Library and Information Science Research in Asia-Oceania: Theory and Practice presents evolving and emerging research and development in the field of library and information science (LIS) in diverse countries in Asia-Oceania as the region continues to develop. This book is intended as a useful resource for LIS researchers, scholars, students, professionals, and practitioners, and is an appropriate text for courses in LIS. In addition, anyone interested in understanding the LIS field in the region will find this book a fascinating and enlightening read. This book will strengthen your research practice and help build

a culture of research across your school. Whether you are a class teacher or school leader, you will be guided to use the power of research to strengthen practice in yourself and others. The author offers a practical guide on how to engage in meaningful research that will have a deep and lasting impact on you and your organisation. You will be taken on a journey through a Research Cycle that will build your confidence and purpose as a researcher; deepening professional relationships and improving outcomes for all. You will then be introduced to a range of systems that construct a culture of research in your school, building a climate where the voice of every member of staff is deeply valued and has the potential to influence the strategic development of the organisation. If you are interested in research in schools, this book is for you. This book provides readers with insights into how Singapore school leaders are actively engaged in the transformation of the Singapore education

system. It brings to attention crucial elucidations of the increasing demand and complexity placed on school leaders through the use of case studies. Each chapter in the book focuses on a particular issue which has become important or has gained renewed importance in the Singapore education system. The chapters first provide a background to the theme under examination and a theoretical basis for discussion. They then narrate the case that shows how school leaders interpret and implement policy initiatives in their respective schools or lead change in that area. The case studies span over a wide range of domains such as instructional leadership, assessment leadership, stakeholder engagement, professional learning communities, and school branding. The data collected from these case studies came primarily from interviews of educators in their respective school contexts, in addition to other sources of data such as artifacts. Each case study highlights

descriptions, interpretations, and perspectives across school contexts, which is consistent with the proposition that school leadership is very much shaped by context. At the end of each chapter, there are guiding questions to help readers critically analyse and reflect on the main learning points of the case. "User is king" is not a new concept, but it is certainly one that has gathered considerable momentum in the recent years. The driving force are the increasing and relentless pace of competition and the consequent attempts by many companies to keep and improve their marketshare. Since the beginning of ESPRIT Programme in 1984, the Human Computer Interface has been the subject of attention, in terms of technology development and utilisation of those technologies in various applications in the fields of Information Processing Systems, Computer Integrated Manufacturing, and Office and Business Systems. This topic area had been addressed in a number of different perspectives: user

modelling, task analysis, cognitive aspects of interaction and assimilation of information, natural language speech and graphics, processing of multisensor information and its presentation, and a wide range of applications in which these technologies are used. In addition to the previous ESPRIT programmes, the specific programme for Information Technology of the European Framework Programme for 1994-1999 has recognised the ever increasing importance of "ease of use" in computer applications. The work programme on Human Comfort and Security is an attempt to address these issues. Its primary objectives are the exploitation of existing knowledge and expertise in usability engineering by integrating methods and tools into coherent toolsets, the generation of improved human computer interface components, demonstrating their application in practice, and widely disseminating the results and promoting the take-up of these technologies. Study Research Methodologies for Teacher

Educators is a comprehensive text that delineates a range of research methodologies. This edited volume, with many chapters written by self-study scholars who are noted in the field for particular methodological and epistemological perspectives, helps fill the gap in the literature on self-study research methods. Editor J. Bradley Cousins and colleagues meet the needs of evaluators seeking to implement collaborative and participatory approaches to evaluation in *Collaborative Approaches to Evaluation: Principles in Use*. Using a multi-phase empirical process to develop and validate a set of principles to guide collaborative approaches to evaluation, the book outlines the principles that the team developed, and then provides case studies of how these principles have been applied in practice. The case studies draw on programs globally in education, health, and community development. The book is an invaluable supplementary text for program evaluation courses where students' projects are

focused on more collaborative and participatory approaches, and it is an essential resource for practicing evaluators and those who commission program evaluations. A practical guide for putting PMBOK concepts to work *A Project Manager's Book of Tools and Techniques* is an invaluable resource for students and working professionals alike. Whether you're preparing for the PMP exam or just looking to optimize your project management skills, this book provides detailed explanations for over 100 essential tools described in the Project Management Institute's *A Guide to the Project Management Body of Knowledge (PMBOK Guide) Sixth Edition*. Going beyond theory and concept to real-world practice, these tools and techniques are the "how" of effective project management; from planning, to implementation, to oversight, and beyond, all phases of the project are represented here to help you more effectively apply critical PMBOK concepts. Comprehensive examples illustrate real-world

implementation, and detailed discussion provides expert guidance for both new and experienced project management professionals. Knowing what to do is much different from knowing how to do it; even perfect understanding of the PMBOK Guide doesn't automatically translate into effective practice. This book is designed to help you bridge that gap and expertly apply current project management standards. Delve deeper into the practical tools described in the PMBOK Guide—Sixth Edition Follow detailed examples that illustrate effective project management methods Master project management applications in preparation for the PMP exam Graduate from theory to practice with powerful tools and techniques for success Concepts are only valuable once they are applied—and then they become a skill set that gets results. The PMBOK Guide is the ultimate authority on project management concepts, but translating those concepts into applicable skills requires a

detailed understanding of the tools of the field. A Project Manager's Book of Tools and Techniques is a practical manual for putting essential project management concepts into practice. Supply chains are currently globalized and companies operate internationally owing to the fact that raw materials, production processes, and the consumption of the final products are carried out in different countries. This implies high material and information flow, which incurs high costs associated with the supply chain and logistics, sometimes up to 60% of the total cost of the product. Therefore, companies seek to optimize their resources to reduce these costs and improve sustainability in a globalized market. This book, entitled Tools, Methodologies and Techniques Applied to Sustainable Supply Chains, contains 15 chapters that report case studies applied to industrial and service sectors. The authors come from areas such as Mexico, Colombia, Italy, Sweden, Slovakia, China, and Australia. They indicate how managers make use

of tools and techniques to solve problems associated with supply chains to reduce their cost and remain competitive. A great effort has been made to analyze this problem, and the methodologies are clearly described here to facilitate the reproducibility of each technique and tool. This was done in the hope that hoping that they may one day be applied in more companies. Wetlands are, by their very nature, ephemeral and transitional, which makes them challenging to characterize. Yet the need for characterizing wetlands continues to grow, particularly as we develop a better understanding of the wealth of ecosystem services that they provide. *Wetland Landscape Characterization: Practical Tools, Methods, and Approaches for Landscape Ecology, Second Edition* shows how wetland characterization tools, methods, and approaches can be integrated to more effectively address twenty-first-century wetland issues. *A Practical Toolbox for Integrated Wetland Landscape*

Characterization The book explains how to locate, identify, and map the extent of wetlands to learn more about their importance to society and the larger landscape. It examines jurisdictional, regulatory, and practical applications from the scientific, engineering, and lay perspectives. Fully updated, the second edition reflects an emerging infrastructural, ecosystem goods-and-services perspective to better assist readers who may encounter these concepts and challenges as they assess and characterize wetlands. Examples and case studies illustrate a variety of situations and solutions, highlighting the use of current techniques to assess, inventory, and monitor natural resources under changing conditions. These examples offer lessons and ideas for the issues encountered every day by wetland landscape ecology practitioners. The book also refers readers to additional resources to help them solve specific challenges. New in This Edition Updates of practical geospatial methods

More project-driven examples A description of the pitfalls of using ecological data at landscape scales, along with solutions Alternative techniques for a variety of practitioners Linkages between field and landscape ecological practices Online resources for practitioners New illustrations This book helps readers develop the concepts, skills, and understanding of how to best achieve project goals in the rapidly changing disciplines of landscape science and wetland ecology and management. A valuable resource, it provides practical tools, methods, and approaches for conceptualizing, designing, and implementing broad-scale wetland projects that take into account critical societal linkages. This two-volume set constitutes the proceedings of the 13th International Conference on Universal Access in Human-Computer Interaction, UAHCI 2019, held as part of the 21st International Conference, HCI International 2019, which took place in Orlando, FL, USA, in July 2019. The total of 1274 papers and 209

posters included in the 35 HCII 2019 proceedings volumes was carefully reviewed and selected from 5029 submissions. UAHCI 2019 includes a total of 95 regular papers; they were organized in topical sections named: universal access theory, methods and tools; novel approaches to accessibility; universal access to learning and education; virtual and augmented reality in universal access; cognitive and learning disabilities; multimodal interaction; and assistive environments. "Understanding Your Users is an easy to read, easy to implement, how-to guide on usability in the real world. It focuses on the "user requirements gathering" stage of product development and it provides a variety of techniques, many of which may be new to usability professionals. For each technique, readers will learn how to prepare for and conduct the activity, as well as analyze and present the data - all in a practical and hands-on way. The techniques can be used together to form a complete picture of the users'

requirements or they can be used separately to address specific product questions. These methods have helped product teams understand the value of user requirements gathering by providing insight into how users work and what they need to be successful at their tasks."--BOOK JACKET. A solid understanding of domestic political economy helps to promote policies that are better adapted to country realities. The challenges that many governments faced in responding to food price volatility during the 2008 global food crisis re-focused attention on the political economy and implementing effective national policy responses on food security and nutrition. Understanding the political economy behind public policy-making and implementation is crucial to enhancing the effectiveness of policy support to countries and increases the chances of nationally-led reforms that result in better food security and nutrition outcomes. This political economy analysis note is intended to support policy practitioners and

other stakeholders in working in a more politically informed way towards a coherent set of policies across relevant sectors. It demonstrates how political economy analysis can add value to policy support work, gives examples of key political economy challenges in food security and nutrition and shares information on the existing frameworks and analysis tools. Based on rapid advances in what is known about how people learn and how to teach effectively, this important book examines the core concepts and central pedagogies that should be at the heart of any teacher education program. Stemming from the results of a commission sponsored by the National Academy of Education, Preparing Teachers for a Changing World recommends the creation of an informed teacher education curriculum with the common elements that represent state-of-the-art standards for the profession. Written for teacher educators in both traditional and alternative programs, university and school system leaders,

teachers, staff development professionals, researchers, and educational policymakers, the book addresses the key foundational knowledge for teaching and discusses how to implement that knowledge within the classroom. Preparing Teachers for a Changing World recommends that, in addition to strong subject matter knowledge, all new teachers have a basic understanding of how people learn and develop, as well as how children acquire and use language, which is the currency of education. In addition, the book suggests that teaching professionals must be able to apply that knowledge in developing curriculum that attends to students' needs, the demands of the content, and the social purposes of education: in teaching specific subject matter to diverse students, in managing the classroom, assessing student performance, and using technology in the

classroom. This is a book designed with the teacher educator in mind. It provides in depth examination of specific methods used effectively in self-study research. The chapters are written by researchers engaged in self-study of their practice. This book constitutes the refereed proceedings of the 19th International Symposium on Formal Methods, FM 2014, held in Singapore, May 2014. The 45 papers presented together with 3 invited talks were carefully reviewed and selected from 150 submissions. The focus of the papers is on the following topics: Interdisciplinary Formal Methods, Practical Applications of Formal Methods in Industrial and Research Settings, Experimental Validation of Tools and Methods as well as Construction and Evolution of Formal Methods Tools.

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