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STRENGTHENING FORENSIC SCIENCE IN THE UNITED STATES

A PATH FORWARD

National Academies Press Scores of talented and dedicated people serve the forensic science community, performing vitally important work. However, they are often constrained by lack of adequate resources, sound policies, and national support. It is clear that change and advancements, both systematic and scientific, are needed in a number of forensic science disciplines to ensure the reliability of work, establish enforceable standards, and promote best practices with consistent application. *Strengthening Forensic Science in the United States: A Path Forward* provides a detailed plan for addressing these needs and suggests the creation of a new government entity, the National Institute of Forensic Science, to establish and enforce standards within the forensic science community. The benefits of improving and regulating the forensic science disciplines are clear: assisting law enforcement officials, enhancing homeland security, and reducing the risk of wrongful conviction and exoneration. *Strengthening Forensic Science in the United States* gives a full account of what is needed to advance the forensic science disciplines, including upgrading of systems and organizational structures, better training, widespread adoption of uniform and enforceable best practices, and mandatory certification and accreditation programs. While this book provides an essential call-to-action for congress and policy makers, it also serves as a vital tool for law enforcement agencies, criminal prosecutors and attorneys, and forensic science educators.

LSD, MY PROBLEM CHILD

REFLECTIONS ON SACRED DRUGS, MYSTICISM, AND SCIENCE

Multidisciplinary Assn for This is the story of LSD told by a concerned yet hopeful father, organic chemist Albert Hofmann. He traces LSDs path from a promising psychiatric research medicine to a recreational drug sparking hysteria and prohibition. We follow Dr. Hofmanns trek across Mexico to discover sacred plants related to LSD, and listen in as he corresponds with other notable figures about his remarkable discovery. Underlying it all is Dr. Hofmanns powerful conclusion that mystical experience may be our planets best hope for survival. Whether induced by LSD, meditation, or arising spontaneously, such experiences help us to comprehend the wonder, the mystery of the divine in the microcosm of the atom, in the macrocosm of the spiral nebula, in the seeds of plants, in the body and soul of people. Now, more than sixty years after the birth of Albert Hofmanns problem child, his vision of its true potential is more relevant, and more needed, than ever.

EXPLORING DATA

AN INTRODUCTION TO DATA ANALYSIS FOR SOCIAL SCIENTISTS

John Wiley & Sons The updated edition of this classic text introduces a range of techniques for exploring quantitative data. Beginning with an emphasis on descriptive statistics and graphical approaches, it moves on in later chapters to simple strategies for examining the associations between variables using inferential statistics such as chi squared. The book has been substantially revised to include the most recent approaches to data analysis, and includes step-by-step instructions on using SPSS. All these techniques are illustrated with intriguing real examples, drawn from important social research over the past three decades, designed to illuminate significant sociological and political debates. The book shows how students can use quantitative data to answer various questions: Is it true that the rich are getting richer and the poor are getting poorer? Are crime rates really going down, and how can we tell? How much alcohol do men and women really drink in an average week? Which country in Europe has the highest average working hours? Readers are encouraged to explore data for themselves, and are carefully guided through the opportunities and pitfalls of using statistical packages, as well as the numerous data sources readily available online. Suitable for those with no previous experience of quantitative data analysis, the second edition of *Exploring Data* will be invaluable to students across the social sciences. Visit the accompanying website at www.politybooks.com/exploringdata for more materials.

MINERAL EXPLORATION DECISIONS

A GUIDE TO ECONOMIC ANALYSIS AND MODELING

Wiley-Interscience A guide to economic optimization of mineral exploration decisions--with detailed information on how to analyze risk and obtain a good measure of net value. Presents a unified approach to the various models used by mining companies to analyze mining prospects and evaluates and compares the models. Presents typical risk scenarios and shows how to apply the economic modeling process to actual situations.

GLOBAL INNOVATION INDEX 2020

WHO WILL FINANCE INNOVATION?

WIPO The Global Innovation Index 2020 provides detailed metrics about the innovation performance of 131 countries and economies around the world. Its 80 indicators explore a broad vision of innovation, including political environment, education, infrastructure and business sophistication. The 2020 edition sheds light on the state of innovation financing by investigating the evolution of financing mechanisms for entrepreneurs and other innovators, and by pointing to progress and remaining challenges - including in the context of the economic slowdown induced by the coronavirus disease (COVID-19) crisis.

LETTERS AND SOUNDS

PRINCIPLES AND PRACTICE OF HIGH QUALITY PHONICS

Folder contents: Notes on guidance booklet, Six-phase teaching programme booklet, 1 DVD, 1 poster. DfES ref: 00281-2007FLR-EN The PDF version of this document is licensed to be made available on this library catalogue via a PSI Licence to reproduce public sector information.

REPORT OF THE PRESIDENTIAL COMMISSION ON THE SPACE SHUTTLE CHALLENGER ACCIDENT

DIANE Publishing Reviews the circumstances surrounding the Challenger accident to establish the probable cause or causes of the accident. Develops recommendations for corrective or other action based upon the Commission's findings and determinations. Color photos, charts and tables.

AN IMAGINATIVE APPROACH TO TEACHING

Jossey-Bass Educational bandwagons come and go, but student engagement in learning is an enduring concern. This book shows how an imaginative approach to teaching and learning, one that values and builds upon the way a child understands his or her experiences, can encourage students to become more knowledgeable and creative in their thinking. The author explains how people's imaginations work in five different zones of understanding, and he shows how to use these zones and the journey through them to nurture teachers' and students' imaginations

COMPREHENSIVE ORGANIC CHEMISTRY EXPERIMENTS FOR THE LABORATORY CLASSROOM

Royal Society of Chemistry This expansive and practical textbook contains organic chemistry experiments for teaching in the laboratory at the undergraduate level covering a range of functional group transformations and key organic reactions. The editorial team have collected contributions from around the world and standardized them for publication. Each experiment will explore a modern chemistry scenario, such as: sustainable chemistry; application in the pharmaceutical industry; catalysis and material sciences, to name a few. All the experiments will be complemented with a set of questions to challenge the students and a section for the instructors, concerning the results obtained and advice on getting the best outcome from the experiment. A section covering practical aspects with tips and advice for the instructors, together with the results obtained in the laboratory by students, has been compiled for each experiment. Targeted at professors and lecturers in chemistry, this useful text will provide up to date experiments putting the science into context for the students.

ART AND REPRESENTATION

NEW PRINCIPLES IN THE ANALYSIS OF PICTURES

Princeton University Press In Art and Representation, John Willats presents a radically new theory of pictures. To do this, he has developed a precise vocabulary for describing the representational systems in pictures: the ways in which artists, engineers, photographers, mapmakers, and children represent objects. His approach is derived from recent research in visual perception and artificial intelligence, and Willats begins by clarifying the key distinction between the marks in a picture and the features of the scene that these marks represent. The methods he uses are thus closer to those of a modern structural linguist or psycholinguist than to those of an art historian. Using over 150 illustrations, Willats analyzes the representational systems in pictures by artists from a wide variety of periods and cultures. He then relates these systems to the mental processes of picture production, and, displaying an impressive grasp of more than one scholarly discipline, shows how the Greek vase painters, Chinese painters, Giotto, icon painters, Picasso, Paul Klee, and David Hockney have put these systems to work. But this book is not only about what systems artists use but also about why artists from different periods and cultures have used such different systems, and why drawings by young children look so different from those by adults. Willats argues that the representational systems can serve many different functions beyond that of merely providing a convincing illusion. These include the use of anomalous pictorial devices such as inverted perspective, which may be used for expressive reasons or to distance the viewer from the

depicted scene by drawing attention to the picture as a painted surface. Willats concludes that art historical changes, and the developmental changes in children's drawings, are not merely arbitrary, nor are they driven by evolutionary forces. Rather, they are determined by the different functions that the representational systems in pictures can serve. Like readers of Ernst Gombrich's famous *Art and Illusion* (still available from Princeton University Press), on which *Art and Representation* makes important theoretical advances, or Rudolf Arnheim's *Art and Visual Perception*, Willats's readers will find that they will never again return to their old ways of looking at pictures.

FOURIER ANALYSIS AND APPLICATIONS

FILTERING, NUMERICAL COMPUTATION, WAVELETS

Springer Science & Business Media The object of this book is two-fold -- on the one hand it conveys to mathematical readers a rigorous presentation and exploration of the important applications of analysis leading to numerical calculations. On the other hand, it presents physics readers with a body of theory in which the well-known formulae find their justification. The basic study of fundamental notions, such as Lebesgue integration and theory of distribution, allow the establishment of the following areas: Fourier analysis and convolution Filters and signal analysis time-frequency analysis (gabor transforms and wavelets). The whole is rounded off with a large number of exercises as well as selected worked-out solutions.

WOMEN, POPULATION AND GLOBAL CRISIS

A POLITICAL-ECONOMIC ANALYSIS

Zed Books Following a look at conventional ideologies of population control, the author develops an alternative analysis of overpopulation, exploring the roots of the environmental crisis, violence and inequality en route. Critiquing capitalism, industrialism, patriarchy and white supremacy, she shows how population control acts as another dimension of our essentially hierarchical world order--one that is moving us inexorably towards violence and destruction. Finally, she explores new global visions and efforts towards peace, justice and ecology. Paper edition (unseen), \$25.00. Annotation copyrighted by Book News, Inc., Portland, OR

INSTITUTIONS AND ECONOMIC THEORY

THE CONTRIBUTION OF THE NEW INSTITUTIONAL ECONOMICS

University of Michigan Press This second edition assesses some of the major refinements, extensions, and useful applications that have developed in neoinstitutionalist thought in recent years. More attention is given to the overlap between the New Institutional Economics and developments in economic history and political science. In addition to updated references, new material includes analysis of parallel developments in the field of economic sociology and its attacks on representatives of the NIE as well as an explanation of the institution-as-an-equilibrium-of-game approach. Already an international best seller, *Institutions and Economic Theory* is essential reading for economists and students attracted to the NIE approach. Scholars from such disciplines as political science, sociology, and law will find the work useful as the NIE continues to gain wide academic acceptance. A useful glossary for students is included. Eirik Furubotn is Honorary Professor of Economics, Co-Director of the Center for New Institutional Economics, University of Saarland, Germany and Research Fellow, Private Enterprise Research Center, Texas A&M University. Rudolph Richter is Professor Emeritus of Economics and Director of the Center for New Institutional Economics, University of Saarland, Germany.

HEADS OR TAILS

AN INTRODUCTION TO LIMIT THEOREMS IN PROBABILITY

American Mathematical Soc. Beyond the introductory ideas, there are many wonderful results in probability that are unfamiliar to laymen, but which are well within their grasp to understand and appreciate. Some of the most remarkable results in probability are related to limit theorems. In this book, the author makes them accessible by stating everything in terms of a game of tossing of a coin: heads or tails. Using this method, the analysis becomes much clearer, helping to establish the reader's intuition about probability. Moreover, very little generality is lost, as many situations can be modelled from combinations of coin tosses. This book is suitable for anyone who would like to learn more about mathematical probability and has had a one-year undergraduate course in analysis

FOUNDATIONS OF MODERN ANALYSIS

Measure and integration, metric spaces, the elements of functional analysis in Banach spaces, and spectral theory in Hilbert spaces all in a single study. Only book of its kind. Unusual topics, detailed analyses. Problems. Excellent for first-year graduate students, almost any course on modern"

SHARED MEMORY PARALLEL PROGRAMMING WITH OPEN MP

5TH INTERNATIONAL WORKSHOP ON OPEN MP APPLICATION AND TOOLS, WOMPAT 2004, HOUSTON, TX, USA, MAY 17-18, 2004

Springer Science & Business Media This book constitutes the thoroughly refereed postproceedings of the 5th

International Workshop on Open MP Application and Tools, WOMPAT 2004, held in Houston, TX, USA in May 2004. The 12 revised full papers presented were carefully selected during two rounds of reviewing and improvement. The papers are devoted to using Open MP for large scale applications on several computing platforms, consideration of Open MP parallelization strategies, discussion and evaluation of several proposed language features, and compiler and tools technology.

QUALITATIVE DATA ANALYSIS

A USER FRIENDLY GUIDE FOR SOCIAL SCIENTISTS

Routledge First Published in 2004. Routledge is an imprint of Taylor & Francis, an informa company.

MAKING SOCIAL SCIENCES MORE SCIENTIFIC

THE NEED FOR PREDICTIVE MODELS

Oxford University Press In this book the author challenges the position of statistical analysis as the main quantitative tool used in social sciences. It will of interest to social science students, researchers, and methodologists.

INTRODUCTION TO STATISTICS AND DATA ANALYSIS

Brooks/Cole Roxy Peck, Chris Olsen and Jay Devore's new edition uses real data and attention-grabbing examples to introduce students to the study of statistical output and methods of data analysis. Based on the best-selling **STATISTICS: THE EXPLORATION AND ANALYSIS OF DATA**, Fifth Edition, this new **INTRODUCTION TO STATISTICS AND DATA ANALYSIS**, Second Edition integrates coverage of the graphing calculator and includes expanded coverage of probability. Traditional in structure yet modern in approach, this text guides students through an intuition-based learning process that stresses interpretation and communication of statistical information. Conceptual comprehension is cemented by the simplicity of notation--frequently substituting words for symbols. Simple notation helps students grasp concepts. Hands-on activities and Seeing Statistics applets in each chapter allow students to practice statistics firsthand.

RESEARCH METHODS IN EDUCATION AND PSYCHOLOGY

INTEGRATING DIVERSITY WITH QUANTITATIVE AND QUALITATIVE APPROACHES

SAGE Publications, Incorporated Focused on providing as full a picture as possible of what is considered to be "good" research, **Research Methods in Education and Psychology** explains quantitative and qualitative methods and incorporates the viewpoints of various research paradigms into the descriptions of these methods. It not only covers two of the standard paradigms (postpositivist and interpretive/constructivist) but also a relatively new emancipatory paradigm that is inclusive of the perspectives of feminists, ethnic/racial minorities, and persons with disabilities. In each chapter, Donna M. Mertens carefully explains a step of the research process from the literature review to types of research method to analysis and reporting of quantitative or qualitative approaches. As an added plus, she includes a sample study and abstract in each chapter to illustrate the concepts discussed in that chapter. To enhance your students reading, she has also included: - Chapter opening examples and lists of topics to consider - Boxed examples and points to consider - Sample studies in every chapter to illustrate key ideas - Sequence steps to guide each stage of the research process - End-of-chapter "Questions and Answers for Discussion and Application" to elicit further reflection of the material covered

TEACHING THE CHILDREN WE FEAR

STORIES FROM THE FRONT

"This teacher narrative draws on several years of teaching children and adolescents who are deemed "severely emotionally disordered" by the public school system. More often than not, the students portrayed in this narrative are also labeled in the juvenile justice system where they are considered "juvenile offenders." The stories told are not meant to "demonstrate best practices." Ultimately, the stories are written as a means of inquiry into constraints and possibilities of working meaningfully with students who are often resistant and untrusting. The volume provides a multilayered contextual analysis into the politics of difference and how it is played out in four public schools over eight years. It is also an exploration of a teacher's inner life and the story of her own profound changes as she begins to listen to and learn from her students." "Because the narrative evolves out of life in the classroom, it broaches a broad range of topics from violence to curriculum, from fear to love. This critical teacher story provides both the novice and the experienced teacher with renderings of school life that will provoke deep reflections on fundamental questions of teaching and learning, socialization and control, self and others."--BOOK JACKET.

COMPUTER ANALYSIS OF STRUCTURES

MATRIX STRUCTURAL ANALYSIS STRUCTURED PROGRAMMING

Elsevier Science Limited This textbook is designed to help engineering students acquire a precise understanding of the matrix development methods and its underlying concepts and principles, and to acquire experience in developing well-structured programs. A distinguishing feature of this class-tested textbook is its integrated instruction of structured

programming and the matrix development method. Focusing on principles taught in sophomore and junior level courses, the book is intended for structural engineering students in civil engineering, aerospace engineering, mechanics, and related disciplines.

THE PLOT

Faber & Faber From the author of *The Undoing* 'Remarkable.' Stephen King 'Breathtakingly suspenseful.' Megan Abbott 'Smart, surprising and stealthily unsettling.' *The Times* When a young writer dies before completing his first novel, his teacher, Jake, (himself a failed novelist) helps himself to its plot. The resulting book is a phenomenal success. But what if somebody out there knows? Somebody does. And if Jake can't figure out who he's dealing with, he risks something far worse than the loss of his career. What readers are saying 'It builds to a legitimately great ending that I may never forget. Highly recommended.' 'This book is thrilling, exciting and totally nerve-racking! It definitely had me on the edge of my seat and reading well past my bedtime.' 'Addictive . . . I read it quickly without coming up much for air.' 'Wow! This book blew me away- I read it so fast and the ending is so good! No spoilers- just read it.' 'I was pleasantly surprised to find that the best plot ever really is THAT good.'

EXPLORING THEATRE, STUDENT EDITION

McGraw-Hill Education Exploring Theatre focuses on the development of the total student, which includes developing personal resources, self-confidence, the ability to work well with others, and a life-long appreciation of theater; learning to bolster self-concepts, build an ensemble, observe people and places more closely, move expressively, and become more aware of the senses; learning basic acting skills such as improvisation, characterization, role preparation, and stage movement; exploring a range of career or avocational opportunities in theater and theater education; understanding the various aspects of the production process; and studying special topics such as storytelling, clowning, oral interpretation, readers theater, and puppetry. This text is an ideal introductory theater text for both middle and high school.

POSITIVE POLYNOMIALS AND SUMS OF SQUARES

American Mathematical Soc. The study of positive polynomials brings together algebra, geometry and analysis. The subject is of fundamental importance in real algebraic geometry when studying the properties of objects defined by polynomial inequalities. Hilbert's 17th problem and its solution in the first half of the 20th century were landmarks in the early days of the subject. More recently, new connections to the moment problem and to polynomial optimization have been discovered. The moment problem relates linear maps on the multidimensional polynomial ring to positive Borel measures. This book provides an elementary introduction to positive polynomials and sums of squares, the relationship to the moment problem, and the application to polynomial optimization. The focus is on the exciting new developments that have taken place in the last 15 years, arising out of Schmüdgen's solution to the moment problem in the compact case in 1991. The book is accessible to a well-motivated student at the beginning graduate level. The objects being dealt with are concrete and down-to-earth, namely polynomials in n variables with real coefficients, and many examples are included. Proofs are presented as clearly and as simply as possible. Various new, simpler proofs appear in the book for the first time. Abstraction is employed only when it serves a useful purpose, but, at the same time, enough abstraction is included to allow the reader easy access to the literature. The book should be essential reading for any beginning student in the area.

HISTORICAL PAINTING TECHNIQUES, MATERIALS, AND STUDIO PRACTICE

PREPRINTS OF A SYMPOSIUM, UNIVERSITY OF LEIDEN, THE NETHERLANDS, 26-29 JUNE 1995

Getty Publications Bridging the fields of conservation, art history, and museum curating, this volume contains the principal papers from an international symposium titled "Historical Painting Techniques, Materials, and Studio Practice" at the University of Leiden in Amsterdam, Netherlands, from June 26 to 29, 1995. The symposium—designed for art historians, conservators, conservation scientists, and museum curators worldwide—was organized by the Department of Art History at the University of Leiden and the Art History Department of the Central Research Laboratory for Objects of Art and Science in Amsterdam. Twenty-five contributors representing museums and conservation institutions throughout the world provide recent research on historical painting techniques, including wall painting and polychrome sculpture. Topics cover the latest art historical research and scientific analyses of original techniques and materials, as well as historical sources, such as medieval treatises and descriptions of painting techniques in historical literature. Chapters include the painting methods of Rembrandt and Vermeer, Dutch 17th-century landscape painting, wall paintings in English churches, Chinese paintings on paper and canvas, and Tibetan thangka. Color plates and black-and-white photographs illustrate works from the Middle Ages to the 20th century.

COMBUSTION

PHYSICAL AND CHEMICAL FUNDAMENTALS, MODELLING AND SIMULATION, EXPERIMENTS, POLLUTANT FORMATION.

Springer Science & Business Media Combustion is an old technology which presently provides about 90% of our worldwide energy support. The authors include combustion specific topics of chemistry and fluid mechanics while describing tools for the simulation of the combustion process. This revised and updated edition provides a detailed and

rigorous treatment of the coupling of chemical reactions and fluid flow.

APPLIED ASYMPTOTIC ANALYSIS

American Mathematical Soc. "The book is intended for a beginning graduate course on asymptotic analysis in applied mathematics and is aimed at students of pure and applied mathematics as well as science and engineering. The basic prerequisite is a background in differential equations, linear algebra, advanced calculus, and complex variables at the level of introductory undergraduate courses on these subjects."--BOOK JACKET.

CONSUMER BEHAVIOR

Pearson Education India

LINGUISTIC MINIMALISM

ORIGINS, CONCEPTS, METHODS, AND AIMS

Oxford University Press The Minimalist Program for linguistic theory is Noam Chomsky's boldest and most radical version of his naturalistic approach to language. Cedric Boeckx examines its foundations, explains its underlying philosophy, exemplifies its methods, and considers the significance of its empirical results.

MODERN IRAN

THE PAHLAVIS AND AFTER

Pearson Education Written from an Iranian perspective, and eschewing the standard conspiracy theories, this is a book about political change in Iran in the modern era and the challenges faced by the Iranian state both internally and internationally (especially it's relationship with the USA and Iraq.)

DISPATCHES FROM THE FREUD WARS

PSYCHOANALYSIS AND ITS PASSIONS

Harvard University Press In this challenging collection of essays, the noted historian and philosopher of science John Forrester delves into the disputes over Freud's dead body. With wit and erudition, he tackles questions central to our psychoanalytic century's ways of thinking and living, including the following: Can one speak of a morality of the psychoanalytic life? Are the lives of both analysts and patients doomed to repeat the incestuous patterns they uncover? What and why did Freud collect? Is a history of psychoanalysis possible? By taking nothing for granted and leaving no cliché of psychobabble--theoretical or popular--untuned, Forrester gives us a sense of the ethical surprises and epistemological riddles that a century of tumultuous psychoanalytical debate has often obscured. In these pages, we explore dreams, history, ethics, political theory, and the motor of psychoanalysis as a scientific movement. Forrester makes us feel that the Freud Wars are not merely a vicious quarrel or a fashionable journalistic talking point for the late twentieth century. This hundred years' war is an index of the cultural and scientific climate of modern times. Freud is indeed a barometer for understanding how we conduct our different lives.

PROBABILITIES DATA REDUCTION AND ERROR ANALYSIS IN THE PHYSICAL SCIENCES

Subject and author index

A BASIC COURSE IN PROBABILITY THEORY

Springer Science & Business Media Introductory Probability is a pleasure to read and provides a fine answer to the question: How do you construct Brownian motion from scratch, given that you are a competent analyst? There are at least two ways to develop probability theory. The more familiar path is to treat it as its own discipline, and work from intuitive examples such as coin flips and conundrums such as the Monty Hall problem. An alternative is to first develop measure theory and analysis, and then add interpretation. Bhattacharya and Waymire take the second path.

FANTASIES OF THE FEMININE

THE SHORT STORIES OF SILVINA OCAMPO

Bucknell University Press "In order to address these questions and to better understand Ocampo's work, the analysis sustains an extended dialogue between her short fiction and current Euro-American feminist theory. While the analysis is intended primarily for scholars interested in Latin American authors, every effort has been made to facilitate a reading by the non-specialist."--BOOK JACKET.

THE ROLE OF EMOTIONS IN SOCIAL AND PERSONALITY DEVELOPMENT

HISTORY, THEORY AND RESEARCH

Springer Science & Business Media Summarizes research in the field and provides a historical context to social and personality development and developmental psychology, emphasizing the role of emotions in personality formation and social behavior. Assesses current theories and alternate models in areas such as attachment, emotion expression,

and personality change. Presents a funct.

CHEMICAL PRINCIPLES OF ENVIRONMENTAL POLLUTION, SECOND EDITION

CRC Press An authoritative introduction to the scientific principles underlying environmental pollution, this book covers the transport, toxicity, and analysis of pollutants and discusses the major types of contaminant chemicals. Students will gain an understanding of the scientific principles of pollution at the chemical level and be able to approach the contentious issues in a rational way. Taking a pollution oriented approach, the authors discuss legislative limits, analysis of metals, oestrogenic chemicals, indoor and vehicular pollution, pesticides, dioxin-like substances, and more.

OUT OF MY MIND

Simon and Schuster Considered by many to be mentally retarded, a brilliant, impatient fifth-grader with cerebral palsy discovers a technological device that will allow her to speak for the first time.

POLITICAL COMMUNICATION AND DELIBERATION

SAGE The act of deliberation is the act of reflecting carefully on a matter and weighing the strengths and weaknesses of alternative solutions to a problem. It aims to arrive at a decision or judgment based not only on facts and data but also on values, emotions, and other less technical considerations. Though a solitary individual can deliberate, it more commonly means making decisions together, as a small group, an organization, or a nation. Political Communication and Deliberation takes a unique approach to the field of political communication by viewing key concepts and research through the lens of deliberative democratic theory. This is the first text to argue that communication is central to democratic self-governance primarily because of its potential to facilitate public deliberation. Thus, it offers political communication instructors a new perspective on familiar topics, and it provides those teaching courses on political deliberation with their first central textbook. This text offers students practical theory and experience, teaching them skills and giving them a more direct understanding of the various subtopics in public communication.

COMPUTER APPLICATIONS IN THE SOCIAL SCIENCES

Temple University Press Presenting an introduction to computing and advice on computer applications, this book examines hardware and software with respect to the needs of the social scientist. It offers a framework for the use of computers, with focus on the 'work station', the center of which is a personal computer connected to networks by a telephone-based modem.