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Multiple Case Study Analysis **Case Study Methodology in Higher Education** *News Analysis* Case Study Analysis in the Classroom **Applied Functional Data Analysis** *Time Series Analysis of Discourse* Everyday Ethics NMR Case Studies Shaping Health Policy *Case Study Research In Educational Settings* **Failure Analysis Case Studies II** *Case Studies in Data Analysis* Case Study Research *The Anatomy of the Case Study* **Case Studies and Theory Development in the Social Sciences Biomedical Signal Analysis The Art of Case Study Research Humanities Data Analysis** *Case Study Research* Water Resources Systems Analysis Through Case Studies **Embedded Case Study Methods** The Routledge Handbook of Research Methods for Social-Ecological Systems *Human Factors Methods and Accident Analysis* Case Studies in Neural Data Analysis **Sport Management in the Middle East Multi-Criteria Decision Analysis The Case Study Companion** A Manual for Writers of Dissertations *The Case for Case Studies* The Case Study Handbook *Case Study Research in Software Engineering Handbook of Materials Failure Analysis with Case Studies from the Aerospace and Automotive Industries* Applied Behavior Analysis *On the Genealogy of Color* **Case Study Research for Business** *The Case Study Handbook* **Social Media in Higher Education: Case Studies, Reflections and Analysis** *Handbook of Materials Failure Analysis with Case Studies from the Oil and Gas Industry Encyclopedia of Case Study Research Case Study Research*

News Analysis Aug 26 2022 First Published in 1987. Routledge is an imprint of Taylor & Francis, an informa company.

Encyclopedia of Case Study Research Jul 21 2019 Case study research has a long history within the natural sciences, social sciences, and humanities, dating back to the early 1920's. At first it was a useful way for researchers to make valid inferences from events outside the laboratory in ways consistent with the rigorous practices of investigation inside the lab. Over time, case study approaches garnered interest in multiple disciplines as scholars studied phenomena in context. Despite widespread use, case study research has received little attention among the literature on research strategies. The Encyclopedia of Case Study Research provides a compendium on the important methodological issues in conducting case study research and explores both the strengths and weaknesses of different paradigmatic approaches. These two volumes focus on the distinctive characteristics of case study research and its place within and alongside other research methodologies. Key Features Presents a definition of case study research that can be used in different fields of study Describes case study as a research strategy rather than as a single tool for decision making and inquiry Guides rather than dictates, readers' understanding and applications of case study research Includes a critical summary in each entry, which raises additional matters for reflection Makes case study relevant to researchers at various stages of their careers, across philosophic divides, and throughout diverse disciplines Key Themes Academic Disciplines Case Study Research Design Conceptual Issues Data Analysis Data Collection Methodological Approaches Theoretical Traditions Theory Development and Contributions From Case Study Research Types of Case Study Research

The Case for Case Studies May 31 2020 This book seeks to narrow two gaps: first, between the widespread use of case studies and their frequently 'loose' methodological moorings; and second, between the scholarly community advancing methodological frontiers in case study research and the users of case studies in development policy and practice. It draws on the contributors' collective experience at this nexus, but the underlying issues are more broadly relevant to case study researchers and practitioners in all fields. How does one prepare a rigorous case study? When can causal inferences reasonably be drawn from a

single case? When and how can policy-makers reasonably presume that a demonstrably successful intervention in one context might generate similarly impressive outcomes elsewhere, or if massively 'scaled up'? No matter their different starting points – disciplinary base, epistemological orientation, sectoral specialization, or practical concerns – readers will find issues of significance for their own field, and others across the social sciences. This title is also available Open Access.

NMR Case Studies Mar 21 2022 "NMR Case Studies: Data Analysis of Complicated Molecules" provides a detailed discussion of the full logical flow associated with assigning the NMR spectra of complex molecules while helping readers further develop their NMR spectral assignment skills. The robust case studies present the logic of each assignment from beginning to end, and fully explore the available range of potential solutions. Readers will gain a better appreciation of various approaches and will develop an intuitive sense for when this particular concept should be implemented. This enhances the skill sets of readers by providing a host of methodologies potentially amenable to yielding correct assignments. Authored by a scientist with more than 20 years of experience in research and instruction, this book is the ideal reference for anyone in search of application-based content that addresses complicated molecules including corticosteroids, biomolecules, polypeptides, and secondary metabolites. Features the nuclear magnetic resonance (NMR) spectra of a number of large and interesting molecules, ranging from corticosteroids to secondary metabolites to large synthetically prepared moleculesUses case studies to pair the spectral signals from the various sites of each molecule to their molecular counterparts in a process called assignmentIncludes complex NMR problems, aiding readers in the development of NMR spectral assignment skillsFeatures input from a leading scientist with over 20 years of research and instruction experience in the field

The Art of Case Study Research Jun 12 2021 The book examines and annotates an actual case study to demonstrate to readers how to resolve some of the major issues of case study research, for example : how the case is selected, how to generalize what is learned from one case to another, and how to interpret data. Other topics covered include : differences between quantitative and qualitative approaches, data-gathering including document review, coding, sorting and pattern analysis, the roles of the researcher, triangulation and

reporting a case study.

Shaping Health Policy Feb 20 2022 This collection, written by leading health policy researchers, examines the role that case-studies play in British health policy, covering key health policy literatures in the policy process, analytical frameworks and seminal moments of the NHS.

Applied Behavior Analysis Jan 27 2020 This textbook offers real-world case studies for using Applied Behavior Analysis (ABA) to create, implement, and appraise behavior intervention programs across a variety of client situations. Its chapters are formatted for ease of use and retention and organized to focus on the core components of ABA: assessment, planning, implementation, evaluation, and research/ethics. Illustrative cases represent a diversity of problem behaviors, settings, social contexts, and life stages, and includes questions about data collection, goal setting, communication with families, and other processes of effective ABA practice. Together they emphasize not only the content knowledge involved in designing interventions, but also the interpersonal skills necessary for helping change complex challenging behaviors. These fifty case studies: Are suited to individual or team training. Present guiding questions regarding ABA process and professional practice. Feature charts, forms, templates, and other practical tools. Include links to Behavior Analyst Certification Board resources. Demonstrate the flexibility of ABA for use with children, adolescents, adults, or seniors. Applied Behavior Analysis: Fifty Case Studies in Home, School, and Community Settings is an essential text for graduate students, researchers, and practitioners in child and school psychology, behavior analysis, learning and instruction, counseling, and education. This singular volume models critical thinking and professional development in keeping with best practices and professional standards.

Case Study Research Jun 19 2019 Although the case study research method is increasingly important and used by many researchers it is still not well understood. Case Study Research in the Quick Guides Series explains the main issues which have to be considered before case study research is undertaken as well as providing check lists as to how to go about using this research approach. Case study research is not an easy option and this book points out where the challenges are and what needs to be done to become a competent case study researcher. Issues which are given particular attention include different types of

case study, the issue of how many cases are required, research proposals and research protocols when using case studies, the collection and analysis of data. Case Study Research also addressed the analysis of case study data, the case study write up and how to evaluate a case study.

Human Factors Methods and Accident Analysis Dec 06 2020 This book provides an overview of, and practical guidance on, the range of human factors (HF) methods that can be used for the purposes of accident analysis and investigation in complex sociotechnical systems. Human Factors Methods and Accident Analysis begins with an overview of different accident causation models and an introduction to the concepts of accident analysis and investigation. It then presents a discussion focussing on the importance of, and difficulties associated with, collecting appropriate data for accident analysis purposes. Following this, a range of HF-based accident analysis methods are described, as well as step-by-step guidance on how to apply them. To demonstrate how the different methods are applied, and what the outputs are, the book presents a series of case study applications across a range of safety critical domains. It concludes with a chapter focussing on the data challenges faced when collecting, coding and analysing accident data, along with future directions in the area. Human Factors Methods and Accident Analysis is the first book to offer a practical guide for investigators, practitioners and researchers wishing to apply accident analysis methods. It is also unique in presenting a series of novel applications of accident analysis methods, including HF methods not previously used for these purposes (e.g. EAST, critical path analysis), as well as applications of methods in new domains.

Failure Analysis Case Studies II Dec 18 2021 The first book of Failure Analysis Case Studies selected from volumes 1, 2 and 3 of the journal Engineering Failure Analysis was published by Elsevier Science in September 1998. The book has proved to be a sought-after and widely used source of reference material to help people avoid or analyse engineering failures, design and manufacture for greater safety and economy, and assess operating, maintenance and fitness-for-purpose procedures. In the last three years, Engineering Failure Analysis has continued to build on its early success as an essential medium for the publication of failure analysis cases studies and papers on the structure, properties and behaviour of engineering materials as applied to real problems in structures, components and design. Failure Analysis Case Studies II comprises 40 case studies describing the analysis of real engineering failures which have been selected from volumes 4, 5 and 6 of Engineering Failure Analysis. The case studies have been arranged in sections according to the specific type of failure mechanism involved. The failure mechanisms covered are overload, creep, brittle fracture, fatigue, environmental attack, environmentally assisted cracking and bearing failures. The book constitutes a reference set of real failure investigations which should be useful to professionals and students in most branches of engineering.

Water Resources Systems Analysis Through Case Studies Mar 09 2021

Applied Functional Data Analysis Jun 24 2022 This book contains the ideas of functional data analysis by a number of case studies. The case studies are accessible to research workers in a wide range of disciplines. Every reader should gain not only a specific understanding of the methods of functional data analysis, but more importantly a general insight into the underlying patterns of thought. There is an associated web site with MATLABr and S?PLUSr implementations of the methods discussed.

The Case Study Companion Aug 02 2020 The Case Study method of teaching and learning, adopted by business schools and management centres globally, provides an important function in management education, but employing it effectively can often be a challenge. This book provides practical insights, tools and approaches for both case teaching and writing, drawing on perspectives from expert practitioners around the world. This book aims to critically examine different approaches to using case studies in group-based, participant-centred learning environments, exploring good practices for case teaching and learning. It provides guidance for case writers on various approaches to structuring case data, presentational formats, and the use of technology in the construction of different types of cases. It also demonstrates the use of the case method as a tool for assessment, supporting students' own development of cases to showcase good practice in organisations. The final section of this book showcases some of the resources available, providing links and reviews of additional material that can support future case teaching and writing practice, including publication. The Case Study Companion is designed for lecturers using cases within their teaching across all management disciplines, as well as those training for Professional Development and Management Education qualifications. It will also be useful for postgraduate, MBA and Executive Education students wanting to make the most of case studies in their learning and assessments.

The Case Study Handbook Apr 29 2020 If you've enrolled in an executive education or MBA program, you've probably encountered a powerful learning tool: the business case. This text presents a potent approach for analysing, discussing, and writing about cases.

Time Series Analysis of Discourse May 23 2022 This volume serves as a comprehensive introduction to Time Series Analysis (TSA), used commonly in financial and engineering sciences, to demonstrate its potential to complement qualitative approaches in discourse analysis research. The book begins by discussing how time has previously been conceptualized in the literature, drawing on studies from variationist sociolinguistics, corpus linguistics, and Critical Discourse Analysis. The volume then segues into a discussion of how TSA is applied in other contexts in which observed values are expected to be dependent on earlier values, such as stock markets and sales figures, and introduces a range of discourse-specific contexts to show how the technique might be extended to analyze trends or shed further light on relevant themes in discourse over time. Each successive chapter features a different discourse context as a case study, from psychotherapy sessions,

university lectures, and news articles, and looks at how studying different variables over time in each context – metaphors, involvement markers, and keywords, respectively – can contribute to a greater understanding of both present and future discourse activity in these settings. Taken together, this book highlights the value of TSA as a complementary approach to meaning-based analysis in discourse, making this ideal reading for graduate students and scholars in discourse analysis looking to employ quantitative methods in their research practice.

Multiple Case Study Analysis Oct 28 2022 Examining situational complexity is a vital part of social and behavioral science research. This engaging text provides an effective process for studying multiple cases--such as sets of teachers, staff development sessions, or clinics operating in different locations--within one complex program. The process also can be used to investigate broadly occurring phenomena without programmatic links, such as leadership or sibling rivalry. Readers learn to design, analyze, and report studies that balance common issues across the group of cases with the unique features and context of each case. Three actual case reports from a transnational early childhood program illustrate the author's approach, and helpful reproducible worksheets facilitate multicase recording and analysis.

The Anatomy of the Case Study Sep 15 2021 This sharp, stimulating title provides a structure for thinking about, analysing and designing case study. It explores the historical, theoretical and practical bones of modern case study research, offering to social scientists a framework for understanding and working with this form of inquiry. Using detailed analysis of examples taken from across the social sciences Thomas and Myers set out, and then work through, an intricate typology of case study design to answer questions such as: How is a case study constructed? What are the required, inherent components of case study? Can a coherent structure be applied to this form of inquiry? The book grounds complex theoretical insights in real world research and includes an extended example that has been annotated line by line to take the reader through each step of understanding and conducting research using case study.

On the Genealogy of Color Dec 26 2019 In On the Genealogy of Color, Zed Adams argues for a historicized approach to conceptual analysis, by exploring the relevance of the history of color science for contemporary philosophical debates about color realism. Adams contends that two prominent positions in these debates, Cartesian anti-realism and Oxford realism, are both predicated on the assumption that the concept of color is ahistorical and unrevisable. Adams takes issue with this premise by offering a philosophical genealogy of the concept of color. This book makes a significant contribution to recent debates on philosophical methodology by demonstrating the efficacy of using the genealogical method to explore philosophical concepts, and will appeal to philosophers of perception, philosophers of mind, and metaphysicians.

Case Study Methodology in Higher Education Sep 27 2022 In higher education, case studies can be utilized to have students put themselves into problems faced by a protagonist and, by doing so, address academic

or career-related issues. Working through these issues provides students with an opportunity to gain applied perspective and experiences. Professors in higher education who choose this method of teaching require navigational tools to ensure that students achieve stated learning objectives. Case Study Methodology in Higher Education is an essential research publication that focuses on the history and theories relating to case study methodology including techniques for writing case studies and utilizing them in university settings to prepare students for real-life career-related scenarios. This publication features a wide range of topics such as educational leadership, case writing, and teacher education. It is essential for educators, career professionals, higher education faculty, researchers, and students.

Handbook of Materials Failure Analysis with Case Studies from the Aerospace and Automotive Industries Feb 26 2020 Handbook of Materials Failure Analysis: With Case Studies from the Aerospace and Automotive Industries provides a thorough understanding of the reasons materials fail in certain situations, covering important scenarios, including material defects, mechanical failure as a result of improper design, corrosion, surface fracture, and other environmental causes. The book begins with a general overview of materials failure analysis and its importance, and then logically proceeds from a discussion of the failure analysis process, types of failure analysis, and specific tools and techniques, to chapters on analysis of materials failure from various causes. Later chapters feature a selection of newer examples of failure analysis cases in such strategic industrial sectors as aerospace, oil & gas, and chemicals. Covers the most common types of materials failure, analysis, and possible solutions Provides the most up-to-date and balanced coverage of failure analysis, combining foundational knowledge, current research on the latest developments, and innovations in the field Ideal accompaniment for those interested in materials forensic investigation, failure of materials, static failure analysis, dynamic failure analysis, fatigue life prediction, rotorcraft, failure prediction, fatigue crack propagation, bevel pinion failure, gasketless flange, thermal barrier coatings Presents compelling new case studies from key industries to demonstrate concepts Highlights the role of site conditions, operating conditions at the time of failure, history of equipment and its operation, corrosion product sampling, metallurgical and electrochemical factors, and morphology of failure

Case Study Research for Business Nov 24 2019 Using a step-by-step approach, Case Study Research for Business takes students right through the case study research process from research design and data collection using qualitative and quantitative methods, to research analysis, writing up and presenting work. The book takes a multidisciplinary approach to case study research design by drawing on both positivist and interpretivist schools of thought to improve student understanding of these critical research traditions. It covers contemporary topics such as research ethics and includes practical examples from all areas of business. Pedagogical features including vignettes,

exercises and cases which directly relate to business research.

A Manual for Writers of Dissertations Jul 01 2020
Sport Management in the Middle East Oct 04 2020 The Middle East is one of the fastest growing and significant markets in world sport, as well as a powerful source of investment in sport. Bids for the Olympics in 2020 and the soccer World Cup in 2022, as well as remarkable investments in Formula One motor racing, horse racing and English Premier League soccer clubs, demonstrate the strength of interest, the depth of resource and the technical expertise maintained by sport business interests in the region. Sport Management in the Middle East is the first book to offer a serious and in-depth analysis of the business and management of sport in the region. Written by a team of world leading researchers in Middle Eastern sport, and illustrated in full colour throughout, the book examines the importance of sport in the Middle East and introduces its particular management processes, structures and cultures. As well as providing an overview of the region's sporting strategy and key stakeholders, the book also offers a number of detailed case-studies of sport in individual Middle Eastern countries. A unique guide to sport management in a region of fundamental importance in world sport, this book is essential reading for any serious student or scholar of sport management, sport business, Middle East studies, or sport and society.

Case Study Analysis in the Classroom Jul 25 2022 Presented in an engaging and stimulating manner, this text provides beginning teachers a variety of typical classroom problems to analyse and solve.

Multi-Criteria Decision Analysis Sep 03 2020 Decision analysis has become widely recognized as an important process for translating science into management actions. With climate change and other systemic threats as driving forces in creating environmental and engineering problems, there is a great need for understanding decision making frameworks through a case-study based approach. Management of environmental and engineering projects is often complicated and multidisciplinary in scope and nature, thus issues that arise can be difficult to solve analytically. Multi-Criteria Decision Analysis: Case Studies in Engineering and the Environment provides detailed description of MCDA methods and tools and illustrates their applications through case studies focused on sustainability and system engineering applications. New in the Second Edition: Addresses current and emerging environmental and engineering problems Includes seven new case studies to illustrate different management situations applicable at the international level Builds on real case studies from recent and relevant environmental and engineering management experience Describes advanced MCDA techniques and extensions used by practitioners Provides corresponding decision models implemented using the DECERNS software package Gives a more holistic approach to teaching MCDA methodology with a focus on sustainable solutions and adoption of new technologies, including nanotechnology and synthetic biology Given the novelty and

inherent applicability of this decision-making framework to the environmental and engineering fields, a greater number of teaching tools for this topic need to be made available. This book provides those teaching tools, covering the breadth of the applications of MCDA methodologies with clear explanations of the MCDA process. The case studies are implemented in the DECERNS software package, allowing readers to experiment and explore and to understand the full process by which environmental managers assess these problems. This book is a great resource for professionals and students seeking to learn decision analysis techniques and apply similar frameworks to environmental and engineering projects

Embedded Case Study Methods Feb 08 2021 In an embedded case study, the starting and end point is the comprehension of the case as a whole in its real-world context. This book bridges the gap between quantitative and qualitative approaches to complex problems when using this methodology.

Case Study Research Oct 16 2021 Designing case studies - Conducting case studies : preparing for data collection - Conducting case studies : collecting the evidence - Analyzing case study evidence - Reporting case studies.

The Routledge Handbook of Research Methods for Social-Ecological Systems Jan 07 2021 The Routledge Handbook of Research Methods for Social-Ecological Systems provides a synthetic guide to the range of methods that can be employed in social-ecological systems (SES) research. The book is primarily targeted at graduate students, lecturers and researchers working on SES, and has been written in a style that is accessible to readers entering the field from a variety of different disciplinary backgrounds. Each chapter discusses the types of SES questions to which the particular methods are suited and the potential resources and skills required for their implementation, and provides practical examples of the application of the methods. In addition, the book contains a conceptual and practical introduction to SES research, a discussion of key gaps and frontiers in SES research methods, and a glossary of key terms in SES research. Contributions from 97 different authors, situated at SES research hubs in 16 countries around the world, including South Africa, Sweden, Germany and Australia, bring a wealth of expertise and experience to this book. The first book to provide a guide and introduction specifically focused on methods for studying SES, this book will be of great interest to students and scholars of sustainability science, environmental management, global environmental change studies and environmental governance. The book will also be of interest to upper-level undergraduates and professionals working at the science–policy interface in the environmental arena.

Case Study Research in Software Engineering Mar 29 2020 Based on their own experiences of in-depth case studies of softwareprojects in international corporations, in this book theauthors present detailed practical guidelines on the preparation,conduct, design and reporting of case studies of softwareengineering. This is the first software engineering specificbook on the case study research method.

Handbook of Materials Failure Analysis with Case Studies from the Oil and Gas Industry Aug 22 2019 Handbook of Materials Failure Analysis: With Case Studies from the Oil and Gas Industry provides an updated understanding on why materials fail in specific situations, a vital element in developing and engineering new alternatives. This handbook covers analysis of materials failure in the oil and gas industry, where a single failed pipe can result in devastating consequences for people, wildlife, the environment, and the economy of a region. The book combines introductory sections on failure analysis with numerous real world case studies of pipelines and other types of materials failure in the oil and gas industry, including joint failure, leakage in crude oil storage tanks, failure of glass fibre reinforced epoxy pipes, and failure of stainless steel components in offshore platforms, amongst others. Introduces readers to modern analytical techniques in materials failure analysis Combines foundational knowledge with current research on the latest developments and innovations in the field Includes numerous compelling case studies of materials failure in oil and gas pipelines and drilling platforms

Case Study Research In Educational Settings Jan 19 2022 Readers are taken through the various stages in conducting case study research, including a helpful account of data collection and data analysis methods. Structured, narrative and descriptive approaches to writing case study reports are also discussed.

Case Studies and Theory Development in the Social Sciences Aug 14 2021 The use of case studies to build and test theories in political science and the other social sciences has increased in recent years. Many scholars have argued that the social sciences rely too heavily on quantitative research and formal models and have attempted to develop and refine rigorous methods for using case studies. This text presents a comprehensive analysis of research methods using case studies and examines the place of case studies in social science methodology. It argues that case studies, statistical methods, and formal models are complementary rather than competitive. The book explains how to design case study research that will produce results useful to policymakers and emphasizes the importance of developing policy-relevant theories. It offers three major contributions to case study methodology: an emphasis on the importance of within-case analysis, a detailed discussion of process tracing, and development of the concept of typological theories. Case Studies and Theory Development in the Social Sciences will be particularly useful to graduate students and scholars in social science methodology and the philosophy of science, as well as to those designing new research projects, and will contribute greatly to the broader debate about scientific methods.

Humanities Data Analysis May 11 2021 A practical guide to data-intensive humanities research using the Python programming language The use of quantitative methods in the humanities and related social sciences has increased considerably in recent years, allowing researchers to discover patterns in a vast range of source materials. Despite this growth, there are few resources addressed to

students and scholars who wish to take advantage of these powerful tools. Humanities Data Analysis offers the first intermediate-level guide to quantitative data analysis for humanities students and scholars using the Python programming language. This practical textbook, which assumes a basic knowledge of Python, teaches readers the necessary skills for conducting humanities research in the rapidly developing digital environment. The book begins with an overview of the place of data science in the humanities, and proceeds to cover data carpentry: the essential techniques for gathering, cleaning, representing, and transforming textual and tabular data. Then, drawing from real-world, publicly available data sets that cover a variety of scholarly domains, the book delves into detailed case studies. Focusing on textual data analysis, the authors explore such diverse topics as network analysis, genre theory, onomastics, literacy, author attribution, mapping, stylometry, topic modeling, and time series analysis. Exercises and resources for further reading are provided at the end of each chapter. An ideal resource for humanities students and scholars aiming to take their Python skills to the next level, Humanities Data Analysis illustrates the benefits that quantitative methods can bring to complex research questions. Appropriate for advanced undergraduates, graduate students, and scholars with a basic knowledge of Python Applicable to many humanities disciplines, including history, literature, and sociology Offers real-world case studies using publicly available data sets Provides exercises at the end of each chapter for students to test acquired skills Emphasizes visual storytelling via data visualizations

Case Studies in Data Analysis Nov 17 2021 The purpose of this volume is to provide some illustrative examples of the analysis of real-world data drawn from areas as diverse as public policy, medical science, meteorology, and market research. For each case, two or more analysts worked independently in a simulated consultancy context. Each case study begins with a description of the questions at hand, the data sets available, and they then present in detail the analysts' solutions and conclusions.

Case Studies in Neural Data Analysis Nov 05 2020 A practical guide to neural data analysis techniques that presents sample datasets and hands-on methods for analyzing the data. As neural data becomes increasingly complex, neuroscientists now require skills in computer programming, statistics, and data analysis. This book teaches practical neural data analysis techniques by presenting example datasets and developing techniques and tools for analyzing them. Each chapter begins with a specific example of neural data, which motivates mathematical and statistical analysis methods that are then applied to the data. This practical, hands-on approach is unique among data analysis textbooks and guides, and equips the reader with the tools necessary for real-world neural data analysis. The book begins with an introduction to MATLAB, the most common programming platform in neuroscience, which is used in the book. (Readers familiar with MATLAB can skip this chapter and might decide to focus on data type or method type.) The book goes on to cover neural field data and

spike train data, spectral analysis, generalized linear models, coherence, and cross-frequency coupling. Each chapter offers a stand-alone case study that can be used separately as part of a targeted investigation. The book includes some mathematical discussion but does not focus on mathematical or statistical theory, emphasizing the practical instead. References are included for readers who want to explore the theoretical more deeply. The data and accompanying MATLAB code are freely available on the authors' website. The book can be used for upper-level undergraduate or graduate courses or as a professional reference. A version of this textbook with all of the examples in Python is available on the MIT Press website.

The Case Study Handbook Oct 24 2019 If you're enrolled in an executive education or MBA program, you've probably encountered a powerful learning tool: the business case. But if you're like many people, you may find interpreting and writing about cases mystifying, challenging, or downright frustrating.That's not surprising: cases are not expository writing and good ones are often nonlinear and even misleading in their presentation and organization. Apply the conventional approach to understanding business cases, and you may waste time (at best) and arrive at faulty understandings (at worst). In The Case Study Handbook, William Ellet presents a potent new approach for analyzing, discussing, and writing about cases. Early chapters show how to classify cases according to the analytical task they require (solving a problem, making a decision, or forming an evaluation) and quickly establish a base of knowledge about a case. Strategies and templates, in addition to several sample Harvard Business School cases, help you apply the author's framework.Later in the book, Ellet shows how to write persuasive case-analytical essays based on the process laid out earlier. Extensive examples of effective and ineffective writing further reinforce your learning. The book also includes a chapter on how to talk about cases more effectively in class. The Case Study Handbook will be an indispensable learning aid for any current or prospective MBA or executive education student.--

Everyday Ethics Apr 22 2022 This book expands the current discussion on ethics, addressing the gap between "headline" ethics cases, which are often extreme and taken from a business context, and the everyday ethical challenges that we all face in school, work, relationships, and communities. Case studies throughout demonstrate concepts and provide opportunities for readers to apply theory as they consider everyday issues such as the temptation to lie about an arrest on a job application, peer pressure to steal or drink, and the implications of "ratting out" a classmate who is cheating or a co-worker who is stealing. By including a broad array of ethical challenges, this book makes ethics more accessible to the reader. Drawing from several academic disciplines, including social psychology and organizational behavior, this book explores the personal and environmental factors that influence our ethical decision-making. The book is appropriate for ethics courses in an array of disciplines as well as anyone interested in ethical challenges.

Biomedical Signal Analysis Jul 13 2021 The development of techniques to analyze biomedical signals, such as electro-cardiograms, has dramatically affected countless lives by making possible improved noninvasive diagnosis, online monitoring of critically ill patients, and rehabilitation and sensory aids for the handicapped. Rangaraj Rangayyan supplies a practical, hands-on field guide to this constantly evolving technology in Biomedical Signal Analysis, focusing on the diagnostic challenges that medical professionals continue to face. Dr. Rangayyan applies a problem-solving approach to his study. Each chapter begins with the statement of a different biomedical signal problem, followed by a selection of real-life case studies and the associated signals. Signal processing, modeling, or analysis techniques are then presented, starting with relatively simple "textbook" methods, followed by more sophisticated research approaches. The chapter concludes with one or more application solutions; illustrations of real-life biomedical signals and their derivatives are included throughout. Among the topics addressed are: Concurrent, coupled, and correlated processes Filtering for removal of artifacts Event detection and characterization Frequency-domain characterization Modeling biomedical systems Analysis of nonstationary signals Pattern classification and diagnostic decision

The chapters also present a number of laboratory exercises, study questions, and problems to facilitate preparation for class examinations and practical applications. Biomedical Signal Analysis provides a definitive resource for upper-level under-graduate and graduate engineering students, as well as for practicing engineers, computer scientists, information technologists, medical physicists, and data processing specialists. An authoritative assessment of the problems and applications of biomedical signals, rooted in practical case studies

Case Study Research Apr 10 2021 How should case studies be selected? Is case study methodology fundamentally different to that of other methods? What, in fact, is a case? Case Study Research: What, Why and How? is an authoritative and nuanced exploration of the many faces of case-based research methods. As well as the what, how and why, the author also examines the when and which - always with an eye on practical applications to the design, collection, analysis and presentation of the research. Case study methodology can prove a confusing and fragmented topic. In bringing diverse notions of case study research together in one volume and sensitising the reader to the many varying definitions and perceptions of 'case study', this book equips researchers at all levels with the knowledge to make an informed

choice of research strategy.
Social Media in Higher Education: Case Studies, Reflections and Analysis Sep 22 2019 How does social media affect working life in Higher Education? How are universities harnessing its power to aid student learning? This innovative collection brings together academics and those working in professional services to examine these questions and more. The diverse and expert contributors analyse the many ways social media can be used to enhance teaching and learning, research, professional practice, leadership, networking and career development. The impact of social media is evaluated critically, with an eye both to the benefits and the problems of using these new forms of digital communication. This is the first volume to give such detailed attention to this area of high interest. Its innovative approach extends to its creation, with contributors found via their presence on Twitter. The short and impactful chapters are accessible while retaining an academic focus through their application of relevant learning theories and educational context. Social Media and Higher Education is essential reading for any professional working in higher education, including lecturers teaching education courses. It is also significant for researchers looking at more recent developments in the field and what it means to work in a modern higher education environment.