Doing Quantitative Research in Education with SPSS Daniel Müjls 2010-12-10 This accessible and authoritative introduction is essential for education students and researchers needing to use quantitative methods for the first time. Using datasets from real-life educational research and avoiding the use of mathematical formulae, the author guides students through the essential techniques that they will need to know, explaining each procedure using the latest version of SPSS. The datasets can also be downloaded from the book’s website, enabling students to practice the techniques for themselves. This revised and updated second edition now also includes more advanced methods such as log linear analysis, logistic regression, and canonical correlation. Written specifically for those with no prior experience of quantitative research, this book is ideal for education students and researchers in this field.

Practising Human Geography Paul Cloke 2004-05-25 ‘Filling an enormous gap in the geographic literature, here is a terrific book that shows us how to think about and practice human geographic research’ - Professor Jennifer Wolch, University of Southern California ‘Practising Human Geography lucidly, comprehensively, and sometimes passionately shows why methodology matters, and why it is often so hard. To choose a method is to choose the kind of geographical values one wants to uphold. You need to get it right. These authors do’ - Trevor Barnes, University of British Columbia ‘Practising Human Geography is a godsend for students. Written in an accessible and engaging style, the book demystifies the study of geographical methodology, offering a wealth of practical advice from the authors’ own research experience. This is not a manual of approved geographical techniques. It is a reflexive, critical and highly personal account, combining historical depth with up-to-the-minute examples of research in practice. Practising Human Geography is a comprehensive and theoretically informed introduction to the practices of fieldwork, data collection, interpretation and writing, enabling students to make sense of their own data and to develop a critical perspective on the existing literature. The book makes complicated ideas approachable through the effective use of case studies and a firm grasp of contemporary debates’ - Peter Jackson, Professor of Human Geography, University of Sheffield Practising Human Geography is a critical introduction to key issues in the practice of human geography, informed by the question ‘how do geographers do research?’ In examining those methods and practices that are essential to doing geography, the text provides a theoretically informed discussion of the construction and interpretation of geographical data - including: the use of core research methodologies; using official and non-official sources; and the interpretive role of the researcher. Framed by an overview of how ideas of practising human geography have changed, the twelve chapters offer a comprehensive and integrated overview of research methodologies. The text is illustrated throughout with text boxes, case studies, and definitions of key terms. Practising Human Geography will introduce geographers - from undergraduate to faculty - to the core issues that inform research design and practice.

The SAGE Handbook of Quantitative Methodology for the Social Sciences David Kaplan 2004-06-21 Quantitative methodology is a highly specialized field. This handbook is intended to introduce applied statisticians, empirical researchers & graduate students to the broad array of state-of-the-art quantitative methodologies in the social sciences.

Quantitative and Statistical Approaches to Geography John A. Matthews 2013-10-22 Quantitative and Statistical Approaches to Geography: A Practical Manual is a practical introduction to some quantitative and statistical techniques of use to geographers and related scientists. This book is composed of 15 chapters, each begins with an outline of the purpose and necessary mechanics of a technique or group of techniques and is concluded with exercises and the particular approach adopted. These exercises aim to enhance student’s ability to use the techniques as part of the process by which sound judgments are made according to scientific standards while tackling complex problems. After a brief introduction to the principles of quantitative and statistical geography, this book goes on dealing with the topics of central tendency; probability statements and maps; the problem of time-dependence; time-series analysis; non-normality, and data transformations; and the elements of sampling methodology. Other chapters cover the confidence intervals and estimation from samples, statistical hypothesis testing, analysis of contingency tests, and non-parametric tests for independent and dependent samples. The final chapters consider the evaluation of correlation coefficients, regression prediction, and choice and limitations of statistical techniques. This book is of value to undergraduate geography students.

Quantitative Methods and Applications in GIS Fahui Wang 2006-04-03 Quantitative Methods and Applications in GIS integrates GIS, spatial analysis, and quantitative methods to address various issues in socioeconomic studies and public policy. Methods range from basic regression analysis to advanced topics such as linear programming and system of equations. Applications vary from typical themes in urban and regional studies.

Methods in Human Geography Robin Flowerdew 2013-10-08 First published in 2004. This text is an essential guide to current research approaches in human geography, covering all aspects of undertaking a geography research project, from the selection of an appropriate topic through to the organisation and writing of the final report. Covering a wide range of contemporary research methods, the authors provide practical advice on how to actually undertake a project.

Simple Statistical Tests for Geography Danny McCarroll 2016-11-03 This book is aimed directly at students of geography, particularly those who lack confidence in manipulating numbers. The aim is not to teach the mathematics behind statistical tests, but to focus on the logic, so that students can choose the most appropriate tests, apply them in the most convenient way and make sense of the results. Introductory chapters explain how to use statistical methods and then the tests are arranged according to the type of data that they require. Diagrams are used to guide students toward the most appropriate tests. The focus is on nonparametric methods that make very few assumptions and are appropriate for the kinds of data that many students will collect. Parametric methods, including Student’s t-tests, correlation and regression are also covered. Although aimed directly at geography students at senior undergraduate and graduate level, this book provides an accessible introduction to a wide range of statistical methods and will be of value to students and researchers in allied disciplines including Earth and environmental science, and the social sciences.

Quantitative Geography Richard Harris 2016-09-13 Numerical data are everywhere. Charts and statistics appear not just in geography journals but also in the media, in public policy, and in business and commerce too. To engage with quantitative geography, we must engage with the quantitative methods used to collect, analyse, present and interpret these data. Quantitative Geography: The Basics is the perfect introduction for undergraduates beginning any quantitative methods course. Written in short, user-friendly chapters with full-colour diagrams, the book guides the reader through a wide range of topics from the basic to the more advanced, including: Statistics Maths Graphics Models Mapping and GIS R Closely aligned with the Q-Step quantitative social science programme, Quantitative Geography: The Basics is the ideal starting point for
understanding and exploring this fundamental area of Geography. An Introduction to Quantitative Methods for Historians Roderick Floud 2013-11-05 Many statements made by historians are quantitative statements, involving the use of measurable historical evidence. The historian who uses quantitative methods to analyse and interpret such information needs to be well acquainted with the particular methods and techniques of analysis and to be able to make the best use of the data that are available. There is an increasing need for training in such methods and in the interpretation of the large volume of literature now using quantitative techniques. Dr Floud’s text, which is relevant to all branches of historical inquiry, provides a straightforward and intelligible introduction for all students and research workers. The simpler and more useful techniques of descriptive and analytical statistics are described, up to the level of simple linear regression. Historical examples are used throughout, and great attention is paid to the need to ensure that the techniques are understood and that the qualitative and the quantitative aspects of historical problems are intended to solve. Attention is paid to problems of the analysis of time series, which are of particular use to historians. No previous knowledge of statistics is assumed, and the simple mathematical techniques that are used are fully and clearly explained, without the use of more mathematical knowledge than is provided by an O-level course. A bibliography is provided to guide historians towards the most useful further reading. This student friendly text was first published in 1973 Quantitative Methods for Health Research Bruce 2013-03-18 Quantitative Research Methods for Health Professionals: A Practical Interactive Course is a superb introduction to epidemiology, biostatistics, and research methodology for the whole health care community. Drawing examples from a wide range of health research, this practical handbook covers important contemporary health research methods such as survival analysis, Cox regression, and meta-analysis, the understanding of which goes beyond introductory concepts. The book includes self-assessment exercises throughout to help students explore and reflect on their understanding and a clear distinction is made between a) knowledge and concepts that all students should understand and b) those that can be pursued by students who wish to do so. The authors incorporate a program of practical exercises in SPSS using a prepared data set that helps to consolidate the theory and develop skills and confidence in data handling, analysis and interpretation. Quantitative Geography A Stewart Fotheringham 2000-05-02 Quantitative Geography is a comprehensive and accessible discussion of the diversity of recent thinking on the use of quantitative methods in spatial data analysis. Quantitative Techniques in Geography Robert Hammond 1978 This new and enlarged edition contains extra material on a number of topics, including geography and computers, transformation and combination of data, cluster sampling, the use of surrogates and linear programming. As in the first edition the authors attempt to give an insight into some of the techniques and underlying concepts of numerical analysis which form such an integral part of modern geography. Worked examples and exercises for the student are included throughout the text. The examples are taken from both physical and human geography. Researching Human Geography Anna Davies 2014-04-04 Researching Human Geography is an essential new text for any geography student about to embark on a research project. An understanding of how different theories of knowledge have influenced research methodologies is crucial in planning and designing effective research; this book makes this link clear and explores how various philosophical positions, from positivism to postmodernism, are structuring current research. The book gives an overview of a wide range of methods and data collection, both qualitative and quantitative, and explores their strengths and weaknesses for different kinds of research. ‘Researching Human Geography’ also looks at the various techniques available for the analysis of data, which is presented as an integral and ongoing part of the research process. Clearly written, with extensive use of examples from previous research to show ‘methodology in action’, this new text is an invaluable addition to both the theory and method of research in human geography. Key Methods in Geography Nicholas Clifford 2010-05-30 “Its range is far broader than the majority of methods texts, being concerned with both human and physical geography... Given the seriousness with which Key Methods in Geography approaches all aspects of research, it will continue to find wide favour among undergraduate geographers.” - Times Higher Education Textbook Guide “All geographers, whatever their interest, need to do research. This book will help them get started in the best possible way, with thoughtful advice on everything from project design, through choice of methods, to data analysis and presentation. The editors have assembled an impressive array of authors, all experts in their chosen field.” - Tim Burt, University of Durham “Excellent book. Valuable teaching aid. Well written and covers a wide range of methods thoroughly.” - Sue Rodway-Dyer, Exeter University “This is an excellent book and deals with a number of topics (which I teach) outside of the tutorial module where it is a recommended text for geographers. A very useful textbook throughout a 3 year Geography programme.” - Ian Harris, Bangor University Key Methods in Geography is an introduction to the principal methodological issues involved in the collection, analysis and presentation of geographical information. It is unique in the reference literature for providing an overview of qualitative and quantitative methods for human and physical geography. An accessible primer, it will be used by students as a reference throughout their degree, on all issues from research design to data analysis. This substantial text is fully revised and updated and includes new chapters on internet mediated research, diaries as a research method, making observations and measurements in the field, and the analysis of natural systems. Organized into four sections: Getting Started in Geographical Research; Generating and Working with Data in Human Geography; Generating and Working with Data in Physical Geography; Representing and Interpreting Geographical Data; each chapter comprises: A short definition A summary of the principal arguments A substantive 5,000-word discussion of real-life examples Annotated notes for further reading. The teaching of research methods is integral to all geography courses. Key Methods in Geography, 2nd Edition explains all of the key methods with which geography undergraduates must be conversant. Statistical Methods for Geography Peter A. Rogerson 2019-12-04 Statistical Methods for Geography is the essential introduction for geography students looking to fully understand and apply key statistical concepts and techniques. Now in its fifth edition, this text is an accessible statistics ‘101’ focused on student learning, and includes definitions, examples, and exercises throughout. Fully integrated with online self-assessment exercises and video overviews, it explains everything required to get full credits for any undergraduate statistics module. The fifth edition of this bestselling text includes: Coverage of descriptive statistics, probability, inferential statistics, hypothesis testing and sampling, correlation, regression analysis, spatial patterns, spatial data reduction using factor analysis and cluster analysis. New examples from physical geography and additional real-world examples. Updated in-text and online exercises along with downloadable datasets. This is the only text you’ll need for undergraduate courses in statistical analysis, statistical methods, and quantitative geography. Introducing Quantitative Geography Larry O’Brien 2005-10-09 The purpose of quantitative geography is to train geographers in numeracy and in the vital skills of data collection, processing and interpretation. Introducing Quantitative Geography describes quantification from first principles to cover all the key elements of quantitative geography. No previous knowledge of statistical procedures is assumed. Worked examples and computer analyses are used to explain measurement, scale, description, models and modelling. Building on this, the book explores and clarifies the intellectual and practical problems presented by numerical and technological advances in the field. An Introduction to Scientific Research Methods in Geography Daniel Montello 2006-03-06 This text provides a broad and integrative introduction to the conduct and interpretation of scientific research in geography. It covers both conceptual and technical aspects, and is applicable to all topics in geographic analysis. It assumes no previous knowledge and is as accessible to the student as an introduction to the methods for human and physical geography, and geographic information science. The text discusses all parts of the research process, including scientific philosophy; basic research concepts; generating research ideas; communicating research and using library resources; sampling and research design; quantitative and qualitative data collection; data analysis, display, and interpretation; reliability and validity; using geographic information techniques in research; and ethical conduct in research. Introduction to Research Methods Bora Pajo 2017-07-28 Introduction to Research Methods: A Hands-On Approach makes learning research methods easy for students by giving them activities they can experience and do on their own. With clear, simple, and even humorous prose, this text offers students a straightforward introduction to an exciting new world of social science and behavioral research. Rather than making research seem intimidating, author Bora Pajo shows students how research can be an easy, ongoing conversation on topics that matter in their lives. Each chapter includes real research examples that illustrate
specific topics that the chapter covers, guides that help students explore actual research challenges in more depth, and ethical considerations relating to specific chapter topics. 3 Reasons Why You’ll Want to Read This Book 1. Conducting research can be fun when you see it in terms that relate to your everyday life. 2. Knowing how to do research will open many doors for you in your career. It will open your mind to new ideas on what you might pursue in the future (e.g., becoming an entrepreneur, opening your own nongovernmental organization, or running your own health clinic), and give you an extra analytic skill to brag about in your job interviews. 3. Understanding research will make you an educated consumer. You will be able to evaluate the information before you and determine what to accept and what to reject. Truth be told, understanding research will save you money in the short and long term*. *From Chapter 1 of Introduction to Research Methods: A Hands-On Approach Conducting Research in Human Geography Rob Kitchin 2012-12-02 Reading this book is your first step to becoming a competent human geography researcher. Whether you are a novice needing practical help for your first piece of research or a professional in search of an accessible guide to best practice, Conducting Research in Human Geography is a unique and indispensable book to have at hand. The book provides a broad overview of theoretical underpinnings in contemporary human geography and links these with the main research methodologies currently being used. It is designed to guide the user through the complete research process, whether it be a one day field study or a large project, from the nurturing of ideas and development of a proposal, to the design of an appropriate basis of data, to the drawing of conclusions and the presentation of findings.

A Guide to Information Sources in the Geographical Sciences Stephen Goddard 1983 Geography is a wide-ranging discipline and the number of information sources available is truly enormous. These include printed books and journal articles, maps, satellite photographs, archives, statistical information, and much else. One particular problem facing geographers is that when one studies a foreign country, information may be available only in the foreign country and difficult to obtain. This book discusses the information sources available to geographers.

An Introduction to the Geography of Health Helen Hazen and Peter Anthamatten 2019-11-26 In the second edition of An Introduction to the Geography of Health, Helen Hazen and Peter Anthamatten explore the ways in which geographical ideas and approaches can inform our understanding of health. The book’s focus is on a broad range of physical and social factors that drive health in places and spaces offers students and scholars an important holistic perspective on the study of health in the modern era. In this edition, the authors have restructured the book to emphasize the theoretical significance of ecological and social approaches to health. Spatial methods are now reinforced throughout the book, and other qualitative and quantitative methods are discussed in greater depth. Data and examples are used extensively to illustrate key points and have been updated throughout, including several new extended case studies such as water contamination in Flint, Michigan; microplastics pollution; West Africa’s Ebola crisis; and the Zika epidemic. The book contains more than one hundred figures, including new and updated maps, data graphics, and photos. The book is designed to be used as the core text for a health geography course for undergraduate and lower-level graduate students and is relevant to students of biology, medicine, entomology, social science, urban planning, and public health.

Quantitative Geography Richard Harris 2016-09-13 Numerical data are everywhere. Charts and statistics appear not just in geography journals but also in the media, in public policy, and in business and commerce too. This book provides a comprehensive and accessible introduction to the methods used in quantitative geography. It introduces quantitative methods used to collect, analyse, present and interpret these data. Quantitative Geography: The Basics is the perfect introduction for undergraduates beginning any quantitative methods course. Written in short, user-friendly chapters with full-colour diagrams, the book guides the reader through a wide range of topics from the basic to the more advanced, including: Statistics Maths Graphics Models Mapping and GIS R Closely aligned with the Q-Step quantitative social science programme, Quantitative Geography: The Basics is the ideal starting point for understanding and exploring this fundamental area of Geography. An Introduction to Scientific Research Methods in Geography and Environmental Studies 2012-12-02 Complete and up to date, this is one of the best texts I’ve used in seminars on research methodology. The text offers a clear balance of quantitative vs. qualitative and physical vs. human which I’ve found particularly valuable. The chapters on research ethics, scientific communication, information technologies and data visualization are excellent! - Kenneth E. Foote, Department of Geography, University of Colorado at Boulder This is a broad and integrative introduction to the conduct and interpretation of scientific research, covering both geography and environmental studies. Written for undergraduate and postgraduate students, it: Explains both the conceptual and the technical aspects of research, as well as all phases of the research process Combines approaches in physical geography and environmental science, human geography and human-environment relations, and geographic and environmental information techniques (such as GIS, cartography, and remote sensing) Combines natural and social scientific approaches common to subjects in geography and environmental studies Includes case studies of actual research projects to demonstrate the breadth of approaches taken It will be core reading for students studying scientific research methods in geography, environmental studies and related disciplines such as planning and earth sciences.

Doing Survey Research Peter M. Nardi 2015-11-17 The significantly updated third edition of this short, practical book prepares students to write a questionnaire, generate a sample, conduct their own survey research, analyse data, and write up the results, while learning to read and interpret excerpts from published research. It combines statistics and survey research methods in a single book.

Qualitative Research Methods in Human Geography Iain Hay 2005 This book offers a comprehensive, accessible, and practical guide on how to conduct qualitative research in human geography. Enhanced and greatly expanded by nine new chapters, the latest edition shows students how to plan, conduct, and communicate qualitative research. Qualitative Methods in the Humanities Claire Lemercier 2019 This timely and lucid guide is intended for students and scholars working on all historical periods and topics in the humanities and social sciences—especially for those who do not think of themselves as experts in quantification, “big data,” or “digital humanities.” The authors reveal quantification to be a powerful and versatile tool, applicable to a myriad of materials from the past. Their book, accessible to complete beginners, offers detailed advice and practical tips on how to build a dataset from historical sources and how to categorize it according to specific research questions. Drawing on examples from works in social, political, economic, and cultural history, the book guides readers through a wide range of methods, including sampling, cross-tabulations, statistical tests, regression, factor analysis, network analysis, sequence analysis, event history analysis, geographical information systems, text analysis, and visualization. The requirements, advantages, and pitfalls of these techniques are presented in layperson’s terms, avoiding mathematical terminology. Conceived primarily for historians, the book will prove invaluable to other humanists, as well as to social scientists looking for a nontechnical introduction to quantitative methods. Covering the most recent techniques, in addition to others not often enough discussed, the book will also have much to offer to the most seasoned practitioners of both quantitative and qualitative research.

Quantitative Methods in Geography Peter J. Taylor 1983 Introduction to Quantitative Research Methods Mark Balnaves 2001-04-10 Introduction to Quantitative Research Methods is a student-friendly introduction to quantitative research methods and basic statistics. It uses a detective theme throughout the text and in multimedia courseware to show how quantitative methods have been used to solve real-life problems. The book focuses on principles and techniques that are appropriate to introductory level courses in media, psychology and sociology. Examples and illustrations are drawn from historical and contemporary research in the social sciences. The multimedia courseware includes tutorial work, guided learning, sample project work, and help for seeking information from databases and other sources. The statistics modules can be used as either part of a detective games or directly in teaching and learning. Brief video lessons in SPSS, using real datasets, are also a feature of the CD-ROM. Why would you choose Introduction to Quantitative Research Methods? - It is theoretical, providing a concise overview of issues of quantitative research. - It is practical, providing case studies that exemplify the different ways of research is conducted in the social sciences (ranging from psychology to sociology, politics and media). - It is educational, providing practical vignettes, and chapter highlights for revision. - It is integrative, producing a typology of different ways of conducting research. Introduction to Quantitative Research Methods - It is international, providing case studies from a range of countries. - It is innovative, providing multimedia tutorials on generic research and statistical skills. - It is clear, concise and accessible.

The SAGE Handbook of Qualitative Geography Dydia DeLyser 2010 The process of learning qualitative research has altered dramatically and...
this Handbook explores the growth, change, and complexity within the topic and looks back over its history to assess the current state of the art, and indicate possible future directions. Moving beyond textbook rehearsals of standard issues, the book examines key methodological debates and conflicts, approaching them in a critical, discursive manner. Advancing Quantitative Methods in Second Language Research Luke Plonsky 2015-07-03 Advancing Quantitative Methods in Second Language Research is the first hands-on guide to conducting advanced research methods in the fields of applied linguistics and second language studies. While a number of texts discuss basic quantitative research methodology, none focus exclusively on providing coverage of alternative advanced statistical procedures in second language studies from a practical approach. The text is bookended by discussions of these advanced procedures in the larger context of second language studies, debating their strengths, weaknesses, and potential for further research; the concluding sections, one for each chapter following the same organization, on a wide variety of advanced research methods. By offering much-needed coverage on advanced statistical concepts and procedures, with an eye toward real-world implementation, Advancing Quantitative Methods in Second Language Research enhances the methodological repertoire of graduate students and researchers in applied linguistics and second language studies. For additional content, visit: http://oak.ucc.nau.edu/lpd3/AQMSLR.html An Introduction to Scientific Research Methods in Geography and Environmental Studies Daniel Montello 2012-12-10 "Covers a broad range of topics that students in the sciences find familiar and comfortable with upon graduation. From chapters on the scientific method and fundamental research concepts, to experimental design, sampling and statistical analysis, the text offers an excellent introduction to the key concepts of geographical research. The content is applicable for students at the beginning of their studies right through to planning and conducting dissertations. The book has also been of particular support in designing my level 1 and 2 tutorials which cover similar ground to several of the chapters." - Joseph Mallalieu, School of Geography, Leeds University "Montello and Sutton is one of the best texts I've used in seminars on research methodology. The text offers a clear balance of quantitative vs. qualitative and physical vs. human which I've found particularly valuable. The chapters on research ethics, scientific communication, information technologies and data visualization are excellent." - Kenneth E. Foote, Department of Geography, University of Colorado at Boulder This is a broad and integrative introduction to the conduct and interpretation of scientific research, covering both geography and environmental studies. Written for undergraduate and postgraduate students, it: Explains both the conceptual and the technical aspects of research, as well as all phases of the research process Combines approaches in physical geography and environmental science, human geography and human-environment relations, and geographic and environmental information techniques (such as GIS, cartography, and remote sensing) Combines natural and social scientific approaches common to subjects in geography and environmental studies Includes case studies of actual research projects to demonstrate the breadth of approaches taken It will be core reading for students studying scientific research methods in geography, environmental studies and related disciplines such as planning and earth science. Recalibrating the Quantitative Revolution in Geography Ferenc Gyris 2022-05-18 This book brings together international research on the quantitative revolution in geography. It offers perspectives from a wide range of contexts and national traditions that center the Anglo-centric discussions. The book highlights the quantitative revolution as regarded as a decisive moment in the history of geography, transforming it into a modern and applied spatial science. This book highlights the different temporalities and spatialities of local geographies laying the ground for a global history of a specific mode of geographical thought. It contributes to the contemporary discussions around the geographies and mobilities of knowledge, notions of worliding, linguistic privilege, decolonizing and internationalizing of geographic knowledge. This book will be of interest to researchers, postgraduates and advanced students in geography and those interested in the spatial sciences. Design and Analysis for Quantitative Research in Music Education Peter Miksa 2018-03 In recent years, academics and professionals in the social sciences have forged significant advances in quantitative research methodologies specific to their respective disciplines. Although new and sophisticated techniques for large-scale data analyses have become commonplace in general educational, psychological, sociological, and econometric fields, many researchers in music education have yet to be exposed to such techniques. Design and Analysis of Quantitative Research in Music Education is a comprehensive reference for those involved with research in music education and related fields, providing a foundational understanding of quantitative inquiry methods. Authors Peter Miksa and Kenneth Elpus update and expand the set of resources that music researchers have at their disposal for conceptualizing and analyzing data pertaining to music-related phenomena. This text is designed to familiarize readers with foundational issues of quantitative inquiry as a point of view, introduce and elaborate upon issues of fundamental quantitative research design and analysis, and expose researchers to new, innovative, and exciting methods for dealing with complex research questions and analyzing large samples of data in a rigorous and thorough manner. With this resource, researchers will be better equipped for dealing with the challenges of the increasingly information-rich and data-driven environment surrounding music education. An accompanying website provides valuable supplementary exercises and videos.

Rediscovering Geography Rediscovering Geography Committee 1997-04-11 As political, economic, and environmental issues increasingly spread across the globe, the science of geography is being rediscovered by scientists, policymakers, and educators alike. Geography has been made a core subject in U.S. schools, and scientists from a variety of disciplines are using analytical tools originally developed by geographers. Rediscovering Geography presents a broad overview of geography’s renewed importance in a changing world. Through discussions and highlighted case studies, this book illustrates geography’s impact on international trade, environmental change, population growth, infrastructure, the condition of cities, the spread of AIDS, and much more. The committee examines some of the more significant tools for data collection, storage, analysis, and display, with examples of major contributions made by geographers. Rediscovering Geography provides a blueprint for the future of the discipline, recommending how to strengthen its intellectual and institutional foundation and meet the demand for geographic expertise among professionals and the public. Qualitative Research Methods Monique Hennink 2020-01-09 Practical and straightforward, this book is a multidisciplinary introduction to the process of planning, conducting and analysing qualitative research, from selecting appropriate methods to publishing your findings. Built around the authors’ Qualitative Research Cycle - consisting of the design, data collection and analytic cycles - this pragmatic guide clearly demonstrates the steps you need to take to ensure your research is rigorous and robust. Drawing on decades of experience teaching workshops, the book is packed with techniques and tools to help you turn theory and method into research practice. This second edition: Showcases the importance of linking research design to data analysis, helping you avoid potential pitfalls and gain the most out of your research; Kaiser highlights the application of qualitative methods with an array of international examples of real field research and interdisciplinary case studies Gives clear guidance on writing qualitative research, including how to respond to critiques of qualitative methods Has a renewed focus on evaluating quality in qualitative research, ensuring your work is valid, reflexive and ethical Offering tried and tested research tools like interview guides that you can apply to your own projects and supported by online resources including checklists and reflective questions, this book is the perfect companion for anyone looking to complete a successful project using qualitative research methods.

Best Practices in Quantitative Methods Jason W. Osborne 2008 The contributors to Best Practices in Quantitative Methods envision quantitative methods in the 21st century, identify the best practices, and, where possible, demonstrate the superiority of their recommendations empirically. Editor Jason W. Osborne designed this book with the goal of providing readers with the most effective, evidence-based, modern
quantitative methods and quantitative data analysis across the social and behavioral sciences. The text is divided into five main sections covering select best practices in Measurement, Research Design, Basics of Data Analysis, Quantitative Methods, and Advanced Quantitative Methods. Each chapter contains a current and expansive review of the literature, a case for best practices in terms of method, outcomes, inferences, etc., and broad-ranging examples along with any empirical evidence to show why certain techniques are better. Key Features: Describes important implicit knowledge to readers: The chapters in this volume explain the important details of seemingly mundane aspects of quantitative research, making them accessible to readers and demonstrating why it is important to pay attention to these details. Compares and contrasts analytic techniques: The book examines instances where there are multiple options for doing things, and make recommendations as to what is the "best" choice—or choices, as what is best often depends on the circumstances. Offers new procedures to update and explicate traditional techniques: The featured scholars present and explain new options for data analysis, discussing the advantages and disadvantages of the new procedures in depth, describing how to perform them, and demonstrating their use. Intended Audience: Representing the vanguard of research methods for the 21st century, this book is an invaluable resource for graduate students and researchers who want a comprehensive, authoritative resource for practical and sound advice from leading experts in quantitative methods.

Creative Methods for Human Geographers Nadia von Benzon
2021-01-13 Introducing a broad range of innovative and creative qualitative methods, this accessible book shows you how to use them in research project while providing straightforward advice on how to approach every step of the process, from planning and organisation to writing up and disseminating research. It offers: Demonstration of creative methods using both primary or secondary data. Practical guidance on overcoming common hurdles, such as getting ethical clearance and conducting a risk assessment. Encouragement to reflect critically on the processes involved in research. The authors provide a complete toolkit for conducting research in geography, while ensuring the most cutting-edge methods are unimimidating to the reader.

Quantitative Methods and Socio-Economic Applications in GIS Fahui Wang
2014-12-19 The second edition of a bestseller, Quantitative Methods and Socio-Economic Applications in GIS (previously titled Quantitative Methods and Applications in GIS) details applications of quantitative methods in social science, planning, and public policy with a focus on spatial perspectives. The book integrates GIS and quantitative (computational) methods and demonstrates them in various policy-relevant socio-economic applications with step-by-step instructions and datasets. The book demonstrates the diversity of issues where GIS can be used to enhance the studies related to socio-economic issues and public policy. See What’s New in the Second Edition: All project instructions are in ArcGIS 10.2 using geodatabase datasets New chapters on regionalization methods and Monte Carlo simulation Popular tasks automated as a convenient toolkit: Huff Model, 2SFCA accessibility measure, regionalization, Garin-Lowry model, and Monte Carlo based spatial simulation Advanced tasks now implemented in user-friendly programs or ArcGIS: centrality indices, wasteful commuting measure, p-median problem, and traffic simulation Each chapter has one subject theme and introduces the method (or a group of related methods) most relevant to the theme. While each method is illustrated in a special case of application, it can also be used to analyze different issues. For example, spatial regression is used to examine the relationship between job access and homicide patterns; systems of linear equations are analyzed to predict urban land use patterns; linear programming is introduced to solve the problem of wasteful commuting and allocate healthcare facilities; and Monte Carlo technique is illustrated in simulating urban traffic. The book illustrates the range of computational methods and covers common tasks and major issues encountered in a spatial environment. It provides a platform for learning technical skills and quantitative methods in the context of addressing real-world problems, giving you instant access to the tools to resolve major socio-economic issues.

Research Methods in Geography Basil Gomez 2010-06-29 This comprehensive textbook offers a conceptual and practical introduction to research methodology, data collection, and techniques used in both human and physical geography. Explores a full range of contemporary geographic techniques, including statistics, mathematical analysis, GIS, and remote sensing Unique in both content and organization, it brings together a team of internationally recognized specialists to create a balanced approach between physical geography, human geography, and research techniques includes a series of foundational chapters offering multiple perspectives on the central questions in research methods. Examines the conceptual frameworks and practical issues behind data acquisition and analysis, and how to interpret results. Includes explanations of key terminology and exercises throughout.