Understanding Social Statistics A Students To Navigating The Maze

Designed for introductory-level statistics courses, Understanding Statistics for the Social Sciences, Criminal Justice, and Criminology presents the fundamentals of statistics in a clear and simplified format. This accessible text addresses all of the basics of statistical analysis while still providing the reader with the larger view of statistics. The authors focus on calculating the basic formulas yet preserve enough advanced material to prepare the student for further study. The book also provides information on deciding when to use particular statistical analyses, how to input and analyze data through programs such as Microsoft Excel and SPSS, the interpretation of statistical output, and making conclusions based on those results. The student-friendly and simplified presentation of Understanding Statistics makes it the ideal introductory statistics text and will provide readers with a strong foundation in statistics – conceptually and pragmatically. Understanding Statistics for the Social Sciences, Criminal Justice, and Criminology boasts a variety of in-text study aids, such as key terms, equation summaries, exercises, end-of-chapter references, and suggested readings, and an equation glossary; as well as a collection of online study tools housed on the dedicated student companion website. The student-friendly presentation of the material coupled with the rich variety of student and instructor resources make Understanding Statistics the ideal introductory statistics text for undergraduate students! Every new printed copy is packaged with full access to the student companion website featuring a a rich variety of study tools! (eBook version does not include access to the student companion website. Standalone access can be purchased here http://www.jblearning.com/catalog/9781449649234/) Student Resources: -Microsoft and Excel SPSS data sets -Companion website featuring: *interactive flashcards *interactive glossary *practice quiz (with answers) *student data sets, in Excel and SPSS, that correlate to the chapter material *weblinks

Despite the swift spread of social network concepts and their applications and the rising use of network analysis in social science, there is no book that provides a thorough general introduction for the serious reader. Understanding Social Networks fills that gap by explaining the big ideas that underlie the social network phenomenon. Written for those interested in this fast moving area but who are not mathematically inclined, it covers fundamental concepts, then discusses networks and their core themes in increasing order of complexity. Kadushin demystifies the concepts, theories, and findings developed by network experts. He selects material that serves as basic building blocks and examples of best practices that will allow the reader to understand and evaluate new developments as they emerge. Understanding Social Networks will be useful to social scientists who encounter social network research in their reading, students new to the network field, as well as managers, marketers, and others who constantly encounter social networks in their work.

These essays not only describe the major changes in British society in recent years, but seek to understand and explain what is happening. While there have been rapid changes in overall levels, there have been slower changes in relativities, and this distinction is fundamental to a proper understanding of contemporary society. The book considers the wide variety of mechanisms that underlie these changes, in particular processes of social interaction. The complex and often ill-understood nature of these mechanisms may be a major reason why so much social reform has proved ineffective. The verdict on social reforms in education, gender inequalities and ethnic inequalities is rather negative; sociologists have been concerned about the unintended consequences of social action.

Understanding Social Entrepreneurship is the leading textbook that provides students with a comprehensive overview of the field. It brings the

mindset, principles, strategies, tools, and techniques of entrepreneurship into the social sector to present innovative solutions to today's vexing social issues. Kickul and Lyons cover all the key topics relevant to social entrepreneurship, including a detailed examination of each of the steps in the entrepreneurial process. This third edition includes several new features: A process-oriented format, taking students through discovery, design, development, and delivery Two new chapters: one on lean startup and design thinking for social entrepreneurship, and another on unconventional approaches from developing countries Updated and new case studies, with improved global coverage 'Practically Speaking' sections that explore evidence-based research from the field Bringing together a rigorous theoretical foundation and a strong practical focus, this is the go-to resource for students of social entrepreneurship at undergraduate and postgraduate levels. A companion website includes an instructor's manual, PowerPoint slides, test bank, and other tools to provide additional support for students and instructors.

The author is a proud sponsor of the 2020 SAGE Keith Roberts Teaching Innovations Award—enabling graduate students and early career faculty to attend the annual ASA pre-conference teaching and learning workshop. Understanding the Social World: Research Methods for the 21st Century is a concise and accessible introduction to the process and practice of social science research. Fast-paced and visually engaging, the text crosses disciplinary and national boundaries, pays special attention to concern for human subjects, and focuses on the application of results. As it rises to the requirements of a world shaped by big data and social media, Instagram and avatars, blogs and tweets, the text also confronts the research challenges posed by cell phones, privacy concerns, linguistic diversity, and multicultural populations. The Second Edition discusses newly-popular research methods, highlights the fascinating work being conducted by contemporary social researchers, and includes enhanced tools for learning in the text and online. Included with this title: The password-protected Instructor Resource Site (formally known as SAGE Edge) offers access to all text-specific resources, including a test bank and editable, chapter-specific PowerPoint® slides. Learn more.

This is a complete guide to statistics and SPSS for social science students. Statistics with SPSS for Social Science provides a step-by-step explanation of all the important statistical concepts, tests and procedures. It is also a guide to getting started with SPSS, and includes screenshots to illustrate explanations. With examples specific to social sciences, this text is essential for any student in this area.

Many fundamentally important decisions about our social life are a function of how well we understand and analyze DATA. This sounds so obvious but it is so misunderstood. Social statisticians struggle with this problem in their teaching constantly. This book and its approach is the ally and support of all instructors who want to accomplish this hugely important teaching goal. This innovative text for undergraduate social statistics courses is, (as one satisfied instructor put it), a "breath of fresh air." It departs from convention by not covering some techniques and topics that have been in social stat textbooks for 30 years, but that are no longer used by social scientists today. It also includes techniques that conventional wisdom has previously thought to be the province of graduate level courses. Linneman's text is for those instructors looking for a thoroughly "modern" way to teach quantitative thinking, problem-solving, and statistical analysis to their students...an undergraduate social statistics course that recognizes the increasing ubiquity of analytical tools in our data-driven age and therefore the practical benefit of learning how to "do statistics," to "present results" effectively (to employers as well as instructors), and to "interpret" intelligently the quantitative arguments made by others. A NOTE ABOUT THE AUTHOR... At a recent Charter Day celebration, author Tom Linneman was awarded the Thomas Jefferson Teaching Award, the highest award given to young faculty members at the College of William and Mary. The citation for his award noted that Linneman has developed a reputation among his students as a demanding

professor – but one who genuinely cares about them.

The spread of sophisticated computer packages and the machinery on which to run them has meant that procedures which were previously only available to experienced researchers with access to expensive machines and research students can now be carried out in a few seconds by almost every undergraduate. Understanding and Using Advanced Statistics provides the basis for gaining an understanding of what these analytic procedures do, when they should be used, and what the results provided signify. This comprehensive textbook guides students and researchers through the transition from simple statistics to more complex procedures with accessible language and illustration. Accessible and illuminating, this text is both a map and toolkit for successfully navigating the maze of social statistics. A five-step learning model, applied to each statistical technique, introduces key concepts in plain language; explains how to perform calculations manually; providesspecific descriptions of how to use statistical software such as SPSS; offers practice questions to solidify understanding; and gives guidance on interpreting results.

This thoroughly revised edition of Mooney, Knox, and Schacht's text uses a theoretically balanced, student-centered approach to provide a comprehensive exploration of social problems. UNDERSTANDING SOCIAL PROBLEMS, Tenth Edition, progresses from a micro to macro level of analysis, focusing first on problems related to health care, drugs and alcohols, families, and crime, and then broadening to the larger issues of poverty and inequality, population growth, aging, environmental problems, and conflict around the world. The social problem in each chapter is framed in a global as well as a U.S. context. In addition, the three major theoretical perspectives are applied to the problem under discussion, and its consequences -- as well as alternative solutions -- are explored. Pedagogical features such as The Human Side and Self and Society enable students to grasp how social problems affect the lives of individuals and apply their understanding of social problems to their own lives. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Taking a non-technical approach, 'Understanding and Using Statistics in Psychology' encourages the reader to understand why a particular test is being used and what the results mean in the context of a psychological study, focusing on meaning and understanding rather than mindless numerical calculations.

A Guide to R for Social and Behavioral Science Statistics is a short, accessible book for learning R, geared toward social and behavioral science students. Instructors Brian Gillespie, Kathleen Hibbert, and William E. Wagner, III, have combined a review of introductory statistics with an introduction to R to teach readers two of the most valuable skills for research and in the workplace. Designed for readers with no knowledge of statistics or R, A Guide to R for Social and Behavioral Science Statistics follows the most common progression of statistics, starting with basic descriptive statistics, and continuing up through inferential statistics and regression. This text provides step-by-step instructions for working with R, starting with downloading and installing R and RStudio®, featuring code and output so readers can follow along with each step. Readers can apply their knowledge with examples and exercises featuring data from the General Social Survey in each chapter. Tips on R show users how to avoid common pitfalls in R and most efficiently use the RStudio interface. With frequent reminders of statistical concepts to accompany instructions and tips in R, this text helps readers master R for statistics in the social and behavioral sciences.

In 1991 the Economic and Social Research Council (ESRC) published "Postgraduate Taining Guidelines". Throughout the document emphasis is placed on the need for universities to make postgraduate research students aware of the methodological issues that affect their

work.; This text explores the relationship between knowledge, methodology and research practice across the broad spectrum of the social sciences in langage that is accessible to researchers at all levels of their research careers. It follows the themes that there is no single practice or correct methodology, and that the diversity and variety in terms of methodology and disciplinary focus are a sign of the sophistication and complexity of the proceses of social research. The text examines socio-cultural contexts of social research and relates them to contemporary shifts in focus such as feminism, critical theory and postmodernism. The importance of selecting the research methodology most appropriate to the subject discipline concerned is emphasized.

This supplemental text offers students the opportunity to do meaningful, hands-on research on current social issues, using contemporary and historical data. Utilizing an interactive workbook format, students are introduced to a number of interesting topics, such as the value of a college education and changing immigration patterns in the United States. Each module asks students to think about how each of these problems affects them personally and impacts society. By answering these types of questions, students come to understand that social issues are not made up of abstract concepts.

This new introduction to statistics integrated with STATA and SPSS offers an accessible overview for students in sociology, political science, criminal justice and other social sciences. The text draws on research on the teaching and learning of statistics, Incorporates real-world research, and integrates examples throughout the chapters.

The authors are proud sponsors of the 2020 SAGE Keith Roberts Teaching Innovations Award—enabling graduate students and early career faculty to attend the annual ASA pre-conference teaching and learning workshop. Essentials of Social Statistics for a Diverse Society, Third Edition, is a more streamlined, less expensive version of the successful Social Statistics for a Diverse Society. As in the parent text, the Essentials version does more than introduce students to the statistical techniques used by social scientists. It is distinct for the use of real data from contemporary social issues, illustrating the interplay between social concerns and methods of inquiry, and for a strong emphasis on race, class, gender, and other statuses to show how statistics can be a tool for understanding the richness of social differences within society. With a wide range of examples and exercises taken from current events and published research, frequent illustrations, and a focus on student learning, this book continues to be an accessible and engaging resource for students. "I think this textbook is incredibly readable. It presents statistics in a manner that is easy to grasp and comprehend but is still rigorous in terms of the content covered." —Amy Lucas, University of Houston–Clear Lake A Complete Teaching & Learning Package SAGE edge FREE online resources for students that make learning easier. See how your students benefit.

A Mathematical Primer for Social Statistics, Second Edition presents mathematics central to learning and understanding statistical methods beyond the introductory level: the basic "language" of matrices and linear algebra and its visual representation, vector geometry; differential and integral calculus; probability theory; common probability distributions; statistical estimation and inference, including likelihood-based and Bayesian methods. The volume concludes by applying mathematical concepts and operations to a familiar case, linear least-squares regression. The Second Edition pays more attention to visualization, including the elliptical geometry of quadratic forms and its application to statistics. It also covers some new topics, such as an introduction to Markov-Chain Monte Carlo methods, which are important in modern Bayesian statistics. A companion website includes materials that enable readers to use the R statistical computing environment to reproduce and explore computations and visualizations presented in the text. The book is an excellent companion to a "math camp" or a course designed to provide foundational mathematics needed to understand relatively advanced statistical methods.

Beyond the introductory level, learning and effectively using statistical methods in the social sciences requires some knowledge of mathematics. This handy volume introduces the areas of mathematics that are most important to applied social statistics.

This title brings the study of social stratification and inequality into the 21st century. Starting with the widely agreed 'fact' that the world is becoming more unequal, it brings together sociological and geographical issues that show how place has become an important focus for understanding new trends in social inequality.

This text helps build students' confidence and ability in doing statistical analysis, by slowly moving from concepts that require little computational work to those that require more.

Based on over 30 years of successful teaching experience in this course, Robert Pagano's introductory text takes an intuitive, concepts-based approach to descriptive and inferential statistics. He uses the sign test to introduce inferential statistics, empirically derived sampling distributions, many visual aids, and lots of interesting examples to promote student understanding. One of the hallmarks of this text is the positive feedback from students -- even students who are not mathematically inclined praise the text for its clarity, detailed presentation, and use of humor to help make concepts accessible and memorable. Thorough explanations precede the introduction of every formula, and the exercises that immediately follow include a step-by-step model that lets students compare their work against fully solved examples. This combination makes the text perfect for students taking their first statistics course in psychology or other social and behavioral sciences. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

This book introduces students and others to the discipline of social entrepreneurship, which encourages the creation of enterprises that are socially inclusive yet economically and ecologically sustainable. In each chapter there is a mix of case studies about internationally well-known enterprises and other more local enterprises which are totally new. The book leads its readers to understand and appreciate entrepreneurial issues and to engage themselves in community-based activities. Social Enterprise helps readers to: analyze and articulate the blend of social, environmental and economic values which is present in all kinds of enterprise understand the issues involved in translating good intentions with multiple goals into focused, sustainable and practical actions propose alternative social enterprise management strategies based on their own analysis of case studies of entrepreneurial endeavors that are perceived to be 'social' The authors take a pragmatic yet critical approach, and this book should be core or recommended reading for Social Entrepreneurship and Social Enterprise modules at advanced undergraduate, postgraduate and MBA levels.

The second edition of Understanding the Social and Emotional Lives of Gifted Students presents a comprehensive treatment of social and emotional development in high-ability learners. This text: Discusses theories that guide the examination of the lived experiences of gifted students. Features new topics, such as cyberbullying and microaggressions. Covers social and emotional characteristics and behaviors evidenced in gifted learners. Includes considerations for gifted underachievers, gifted culturally diverse students, twice-exceptional students, LGBTQ gifted students, and young people from low-income backgrounds. Describes gifted students' friendships and family relationships that support them, contextual influences that shape their social and emotional lives, and identity development. The author provides a wealth of field-tested strategies for addressing social and emotional development. In addition, the book offers a plan for designing a gifted-friendly classroom environment to support the social and emotional well-being of gifted students and a comprehensive collection of resources to support professionals in gifted education research and practice.

This volume explores the scientific frontiers and leading edges of research across the fields of anthropology, economics, political science,

psychology, sociology, history, business, education, geography, law, and psychiatry, as well as the newer, more specialized areas of artificial intelligence, child development, cognitive science, communications, demography, linguistics, and management and decision science. It includes recommendations concerning new resources, facilities, and programs that may be needed over the next several years to ensure rapid progress and provide a high level of returns to basic research.

Understanding statistical concepts is essential for social work professionals. It is key to understanding research and reaching evidence-based decisions in your own practice—but that is only the beginning. If you understand statistics, you can determine the best interventions for your clients. You can use new tools to monitor and evaluate the progress of your client or team. You can recognize biased systems masked by complex models and the appearance of scientific neutrality. For social workers, statistics are not just math, they are a critical practice tool. This concise and approachable introduction to statistics limits its coverage to the concepts most relevant to social workers. Statistics in Social Work guides students through concepts and procedures from descriptive statistics and correlation to hypothesis testing and inferential statistics. Besides presenting key concepts, it focuses on real-world examples that students will encounter in a social work practice. Using concrete illustrations from a variety of potential concentrations and populations, Amy Batchelor creates clear connections between theory and practice—and demonstrates the important contributions statistics can make to evidence-based and rigorous social work practice.

The ability to read published research critically is essential and is different from the skills involved in undertaking research using statistical analysis. This New Edition of Thomas R Black's best-selling text explains in clear and straightforward terms how students can evaluate research, with particular emphasis on research involving some aspect of measurement. The coverage of fundamental concepts is comprehensive and supports topics including research design, data collection and data analysis by addressing the following major issues: Are the questions and hypotheses advanced appropriate and testable? Is the research design sufficient for the hypothesis? Is the data gathered valid, reliable and objective? Are the statistical techniques used to analyze the data appropriate and do they support the conclusions reached? Each of the chapters from the New Edition has been thoroughly updated, with particular emphasis on improving and increasing the range of activities for students. As well, coverage has been broadened to include: a wider range of research designs; a section on research ethics; item analysis; the definition of standard deviation with a guide for calculation; the concept of `power' in statistical inference; calculating correlations; and a description of the difference between parametric and non-parametric tests in terms of research questions. Evaluating Social Science Research An Introduction 2nd Edition will be key reading for undergraduate and postgrduate students in research methodology and evaluation across the social sciences.

Understanding Social StatisticsSAGE

In this comprehensive introduction to using statistics in the social sciences, Daniel B Wright describes the most popular statistical techniques, explaining their basic principles and demonstrating their use in a wide range of social research. The book is divided into four sections. Part One explains the theoretical relationship between statistics and research, outlining the place of statistics in the research process and introducing hypothesis testing. In Part Two the two "t"-tests are described in detail. This serves as a foundation for the rest of the book and develops skills that are called upon in later chapters. Part Three outlines the three main families of statistical tests - regression, analysis of variance, and two-variable tests. Finally, Part Four offers a guide to more advanced techniques.

Modern statistical software provides the ability to compute statistics in a timely, orderly fashion. This introductory statistics textbook presents clear explanations of basic statistical concepts and introduces students to the IBM SPSS program to demonstrate how to conduct statistical

analyses via the popular point-and-click and the "syntax file" methods. The focal point is to show students how easy it is to analyse data using SPSS once they have learned the basics. Provides clear explanation of basic statistical concepts that provides the foundation for the beginner students' statistical journey. Introduces the SPSS software program. Gives clear explanation of the purpose of specific statistical procedures (e.g., frequency distributions, measures of central tendencies, measures of variability, etc.). Avoids the conventional cookbook approach that contributes very little to students' understanding of the rationale of how the correct results were obtained. The advantage of learning the IBM SPSS software package at the introductory class level is that most social sciences students will employ this program in their later years of study. This is because SPSS is one of the most popular of the many statistical packages currently available. Learning how to use this program at the very start not only familiarizes students with the utility of this program but also provides them with the experience to employ the program to conduct more complex analyses in their later years.

Analyzing Inequalities: An Introduction to Race, Class, Gender, and Sexuality Using the General Social Survey by Catherine E. Harnois is a practical resource for helping students connect sociological issues with real-world data in the context of their first undergraduate sociology courses. This worktext introduces readers to the GSS, one of the most widely analyzed surveys in the U.S.; examines a range of GSS questions related to social inequalities; and demonstrates basic techniques for analyzing this data online. No special software is required–the exercises can be completed using the Survey Documentation and Analysis (SDA) website at the University of California-Berkeley which is easy to navigate and master. Students will come away with a better understanding of social science research, and will be better positioned to ask and answer the sociological questions that most interest them.

A core statistics text that emphasizes logical inquiry, notmath Basic Statistics for Social Research teaches core generalstatistical concepts and methods that all social science majorsmust master to understand (and do) social research. Its use ofmathematics and theory are deliberately limited, as the authorsfocus on the use of concepts and tools of statistics in theanalysis of social science data, rather than on the mathematicaland computational aspects. Research questions and applications aretaken from a wide variety of subfields in sociology, and eachchapter is organized around one or more general ideas that areexplained at its beginning and then applied in increasing detail inthe body of the text. Each chapter contains instructive features to aid students inunderstanding and mastering the various statistical approachespresented in the book, including: Learning objectives Check quizzes after many sections and an answer key at the endof the chapter Summary Key terms End-of-chapter exercises SPSS exercises (in select chapters) Ancillary materials for both the student and the instructor areavailable and include a test bank for instructors and downloadablevideo tutorials for students.

Fundamental Statistics for the Social and Behavioral Sciences, Second Edition, places statistics within the research process, illustrating how they are used to answer questions and test ideas. Students learn not only how to calculate statistics, but also how to interpret and communicate the results of statistical analyses in light of a study's research hypothesis. Featuring accessible writing and well-integrated research examples, the book gives students a greater understanding of how research studies are conceived, conducted, and communicated. The Second Edition includes a new chapter on regression; covers how collected data can be organized, presented and summarized; the process of conducting statistical analyses to test research questions, hypotheses, and issues/controversies; and examines statistical procedures used in research situations that vary in the number of independent variables in the study. Every chapter includes learning checks, such as review questions and summary boxes, to reinforce the content students just learned, and exercises at the end of every chapter help assess their knowledge. Also new to the Second Edition -- animated video tutorials! Watch the demo video from Chapter 2 now! Corrections:

there are a small number of corrections for the text?s Appendix posted here.

Apply statistics to your everyday life. Statistics and Data Analysis for Social Science helps students to build a strong foundational understanding of statistics by providing clarity around when and why statistics useful. Rather than focusing on the "how to" of statistics, author Eric J. Krieg simplifies the complexity of statistical calculations by introducing only what is necessary to understanding each concept. Every chapter is written around and applied to a different social problem or issues—enabling students to broaden their imagination about the statistical "tools" that can be used to make sense of our world and, maybe, to make the world a better place. In addition to updating all the tables and examples with new data, the Second Edition has replaced the section on SPSS with three new sets of exercises at the end of each chapter: Chapter Exercises for students complete during their reading and bring questions to class, In-Class Exercises that focus on the areas that students struggled with during their reading, and Homework Exercises that can be assigned if students need extra practice with the concepts.

Jennifer Mason and Angela Dale's book seeks to set out cutting-edge developments in the field of social research and to encourage students and researchers to consider ways of learning from different approaches and perspectives in such a way as to make their own research richer, more insightful and more rewarding. Social Researching brings together a wide variety of research methods - both qualitative and quantitative - to help students and researchers to consider the relative benefits of adopting different approaches for their own research work. The authors clearly identify the most appropriate methods for different research questions and also highlight areas where it might be fruitful to compliment different methods with each other or exploit creative tensions between them. The book is therefore a highly practical guide which also seeks to draw readers outside their methodological comfort zones. This book includes: - Critical coverage of issues in research design; - Expert experience in many methodological fields; - An overview of the many different ways to approach similar research problems; - Coverage of the tensions between different methodological approaches; - Examples of excellence in research design and practice; - An examination of how to turn methodological tensions into richer research practice. The methods covered include highly innovative, 'cutting-edge' approaches and they are demonstrated in terms of their transferability between the different social sciences. This inter-disciplinary approach is complimented by a wide range of strategically chosen examples which demonstrate the authors' pragmatic and creative take on research design.

In thirteen succinct chapters, Buechler traces movement theories from the classical era of sociology to the most recent examples of transnational activism. He identifies the socio-historical context, central concepts, and guiding logic of diverse movement theories, with emphasis on: Comparisons of Marx and Lenin; Weber and Michels; and Durkheim and LeBon The Chicago School of the inter-war period The political-sociological approaches of the 1950s The varieties of strain and breakdown theories at the dawn of the 1960s Major paradigm shifts caused by the cascade of 1960s social movements Vivid examples of movements worldwide and coverage of all major theorists Critiques, debates, and proposed syntheses dominating the turn of the 21st century Recent trends (such as cyberactivism and transnational movements) and their theoretical implications"

This is a practical introduction to statistics as a means of revealing patterns in human behaviour. It takes the fear out of the use of statistics in social research and avoids unnecessary use of mathematical concepts and techniques.

Now in its third edition, this title teaches an often intimidating and difficult subject in a way that is informative, personable, and clear.

Clear, intuitive and written with the social science student in mind, this book represents the ideal combination of statistical theory and practice. It focuses on questions that can be answered using statistics and addresses common themes and problems in a straightforward, easy-to-follow manner. The book carefully combines the conceptual aspects of statistics with detailed technical advice providing both the 'why' of statistics and the 'how'. Built upon a variety of engaging examples from across the social sciences it provides a rich collection of statistical methods and models. Students are encouraged to see the impact of theory whilst simultaneously learning how to manipulate software to meet their needs. The book also provides: Original case studies and data sets Practical guidance on how to run and test models in Stata Downloadable Stata programmes created to work alongside chapters A wide range of detailed applications using Stata Step-by-step notes on writing the relevant code. This excellent text will give anyone doing statistical research in the social sciences the theoretical, technical and applied knowledge needed to succeed. Introducing undergraduates to the vital concepts of statistics, this superb textbook allows instructors to include as much—or as little—mathematical detail as may be suitable for their students. Featuring Statpal statistical software for the IBM PC®, the book contains study questions that help solidify students' understanding of the material and prepare them for the next group of concepts. Many of the exercises, labeled "Statpal exercises," are especially written for the Statpal statistical package. Understanding Statistics begins with the basic concepts of statistical inference ... presents normal and binomial distributions, general techniques of interval estimation and hypothesis testing, and applications of these techniques to inferences about a single population mean and proportions ... and covers inferences about group differences, including parametric and nonparametric approaches to the two-group case, and the one-way ANOVA and its nonparametric analogue. In addition, this volume considers relationships between two variables, including the correlation co-efficient, Spearman's rho, and Kendall's tau ... surveys basic regression methods, including simple, multiple, and stepwise ... and discusses the analysis of variance of factorial designs, the concept of interaction, and the analysis of categorical data using the chi-square test. Complete with tables and drawings plus appendices that furnish instructions for using Statpal software, information on advanced topics, and much more, Understanding Statistics is an ideal text for undergraduate survey courses on statistical methods as well as for courses in economics, psychology, sociology, education, business administration, and others that require basic statistics.

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