An Introduction to Statistical Concepts: Third Edition

By Debbie L Hahs-Vaughn, Richard G Lomax

An Introduction to Statistical Concepts: Third Edition By Debbie L Hahs-Vaughn, Richard G Lomax

This comprehensive, flexible text is used in both one- and two-semester courses to review introductory through intermediate statistics. Instructors select the topics that are most appropriate for their course. Its conceptual approach helps students more easily understand the concepts and interpret SPSS and research results. Key concepts are simply stated and occasionally reintroduced and related to one another for reinforcement. Numerous examples demonstrate their relevance. This edition features more explanation to increase understanding of the concepts. Only crucial equations are included.

In addition to updating throughout, the new edition features:

A website that features PowerPoint slides, answers to the even-numbered problems, and test items for instructors, and for students the chapter outlines, key concepts, and datasets that can be used in SPSS and other packages, and more. Each chapter begins with an outline, a list of key concepts, and a vignette related to those concepts. Realistic examples from education and the behavioral sciences illustrate those concepts. Each example examines the procedures and assumptions and provides instructions for how to run SPSS, including annotated output, and tips to develop an APA style write-up. Useful tables of assumptions and the effects of their violation are included, along with how to test assumptions in SPSS. 'Stop and Think' boxes provide helpful tips for better understanding the concepts. Each chapter includes computational, conceptual, and interpretive problems. The data sets used in the examples and problems are provided on the web. Answers to the odd-numbered problems are given in the book.The first five chapters review descriptive statistics including ways of representing data graphically, statistical measures, the normal distribution, and probability and sampling. The remainder of the text covers inferential statistics involving means, proportions, variances, and correlations, basic and advanced analysis of variance and regression models. Topics not dealt with in other texts such as robust methods, multiple comparison and nonparametric procedures, and advanced ANOVA and multiple and logistic regression models are also reviewed.

Intended for one- or two-semester courses in statistics taught in education and/or the behavioral sciences at the graduate and/or advanced undergraduate level, knowledge of statistics is not a prerequisite. A rudimentary knowledge of algebra is required.

Download and Read Free Online An Introduction to Statistical Concepts: Third Edition By Debbie L Hahs-Vaughn, Richard G Lomax

Editorial ReviewReview

"Lomax (Ohio State Univ.) has added a coauthor, Hahs-Vaughn (Univ. of Central Florida), to this third edition (2nd ed., 2007; 1st ed., An Introduction to Statistical Concepts for Education and Behavioral Sciences, CH, Mar'01, 38-3947). The authors have enhanced previous editions by providing an additional chapter on logistic regression and screenshots using G*Power and SPSS software. Focusing on students who plan on doing research in education and the behavioral sciences, this new work offers a more complete conceptual approach, a better understanding of the subject, and a more user-friendly format than do most books in educational research and methodology. The book also includes advanced ANOVA, robust methods, and nonparametric procedures; however, there is very light coverage of probability. The authors address most major topics normally covered in a one- or two-semester statistics course; a basic knowledge of algebra is required. Even though this is an excellent reference for researchers in education and the behavioral sciences, it could easily be used as a textbook for any general statistics course. Summing Up: Highly recommended. Upper-division undergraduates, graduate students, researchers/faculty, and professionals." - **D. J. Gougeon, University of Scranton, CHOICE***"[This text] would provide an accessible first introduction to statistics to psychologists. ... It covers the basic topics needed at this level and so would give a broad grounding. ... Teachers ... should certainly examine a copy."* - **David J. Hand, Imperial College, UK, in the** *International Statistical Review**"I have been using this text to teach statistics to beginning and intermediate-level graduate students in education for years and have been extremely impressed with its readability and emphasis on conceptual understanding. I can't wait to introduce my students to statistics with this new edition, as it addresses key concepts while also providing real-life examples that will aid them in learning to reason with statistics."* --**H. Michael Crowson, The University of Oklahoma, USA***"This is one of the most complete and lucid introductory statistics textbooks available for education and the social sciences: it blends theory and pragmatics seamlessly. The integration of SPSS into the chapters is a welcome addition. Each chapter describes what to do, why to do it, and how to do it. Not only is this book ideal for introductory statistics classes, it is clear and comprehensive enough to allow students to teach themselves statistics."* – **Betsy McCoach, University of Connecticut, USA***"The unique blend of conceptual approaches to statistical learning, interpretative exercises, and APA styled write-ups sets this book apart from other texts. The broad coverage of statistical procedures, SPSS generation and interpretation, and emphasis on statistical assumptions will serve students and researchers."* - **C.Y. Joanne Peng, Indiana University, USA***"Combining theory and mathematical accessibility with examples, SPSS applications, and APA style write-ups, this is a fascinating book for introductory statistical courses in the social and behavioral sciences. It has a broad coverage of topics and should prove invaluable as a classroom text or as a reference for applied researchers. "* - **Feifei Ye, University of Pittsburgh, USA***"Practical throughout, this edition delivers a nice balance between technical detail and understandable explanations of basic statistical methods appropriate for graduate students in the social sciences. The book recognizes the importance of effect sizes, offers screen shots of how to execute a statistical analysis in SPSS with annotated output, provides graphs of sampling distributions to help users make correct decisions regarding their own research, and features APA guidelines with sample write-ups."* - **Jeffrey R. Harring, University of Maryland, USA***"This book is a refreshing treatment of introductory statistical concepts. The clear content, easy-to-follow software examples, and comprehensive coverage of topics will be extremely useful for researchers in the early stages of their statistical development."* - **Brian F. French, USA Washington State University***"Lomax and Hahs-Vaughn write clearly. ... Writing statistical results in APA format is great for graduate students. ... The ... changes ... make the book a better teaching tool. ... The level is appropriate for graduate and doctoral students in psychology, sociology, and education. ... The basic terms and concepts are defined and developed clearly, accurately, and in an interesting manner."* - **Robert P. Conti, Sr., Mount Saint Mary College, USA** About the Author

Richard G. Lomax is a Professor in the School of Educational Policy and Leadership at The Ohio State University. He received his Ph.D. in Educational Research Methodology from the University of Pittsburgh. His research focuses on models of literacy acquisition, multivariate statistics, and assessment. He has twice served as a Fulbright Scholar and is a Fellow of the American Educational Research Association.

Debbie L. Hahs-Vaughn is an Associate Professor in the College of Education at the University of Central Florida. She received her Ph.D. in Educational Research from the University of Alabama. Her research focuses on methodological and substantive research using complex survey data, program evaluation, and practitioner use of research to inform their practice. Dr. Hahs-Vaughn was the recipient of the 2007 College of Education Excellence in Graduate Teaching Award, 2009 College of Education Distinguished Researcher Award, 2009 Teaching Incentive Program Award, and 2009 Research Incentive Award. She is currently the Executive Editor of the Measurement, Statistics, and Research Design section of the Journal of Experimental Education.Users Review**From reader reviews:**

Kimberly Langdon:What do you about book? It is not important together with you? Or just adding material when you need something to explain what the one you have problem? How about your time? Or are you busy particular person? If you don't have spare time to perform others business, it is make you feel bored faster. And you have free time? What did you do? Every person has many questions above. They need to answer that question because just their can do this. It said that about guide. Book is familiar in each person. Yes, it is correct. Because start from on guardería until university need this particular An Introduction to Statistical Concepts: Third Edition to read.

Peter Barba:Do you have something that that suits you such as book? The e-book lovers usually prefer to decide on book like comic, short story and the biggest one is novel. Now, why not striving An Introduction to Statistical Concepts: Third Edition that give your pleasure preference will be satisfied simply by reading this book. Reading behavior all over the world can be said as the opportunity for people to know world far better then how they react in the direction of the world. It can't be stated constantly that reading behavior only for the geeky man but for all of you who wants to possibly be success person. So , for all of you who want to start looking at as your good habit, you are able to pick An Introduction to Statistical Concepts: Third Edition become your starter.

Nancy Nault:This An Introduction to Statistical Concepts: Third Edition is completely new way for you who has attention to look for some information as it relief your hunger info. Getting deeper you in it getting knowledge more you know otherwise you who still having little bit of digest in reading this An Introduction to Statistical Concepts: Third Edition can be the light food in your case because the information inside this specific book is easy to get by means of anyone. These books build itself in the form and that is reachable by anyone, yes I mean in the e-book contact form. People who think that in reserve form make them feel tired even dizzy this guide is the answer. So there is no in reading a reserve especially this one. You can find what you are looking for. It should be here for a person. So , don't miss the item! Just read this e-book type for your better life along with knowledge.

Jonathan Rodriguez:What is your hobby? Have you heard that will question when you got students? We believe that that concern was given by teacher to the students. Many kinds of hobby, Everybody has different hobby. So you know that little person including reading or as examining become their hobby. You should know that reading is very important along with book as to be the thing. Book is important thing to increase you knowledge, except your current teacher or lecturer. You find good news or update regarding something by book. Many kinds of books that can you choose to adopt be your object. One of them is niagra An Introduction to Statistical Concepts: Third Edition.

Download and Read Online An Introduction to Statistical Concepts: Third Edition By Debbie L Hahs-Vaughn, Richard G Lomax #HFJE2IL1UQZ

Read An Introduction to Statistical Concepts: Third Edition By Debbie L Hahs-Vaughn, Richard G Lomax for online ebookAn Introduction to Statistical Concepts: Third Edition By Debbie L Hahs-Vaughn, Richard G Lomax Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read An Introduction to Statistical Concepts: Third Edition By Debbie L Hahs-Vaughn, Richard G Lomax books to read online.Online An Introduction to Statistical Concepts: Third Edition By Debbie L Hahs-Vaughn, Richard G Lomax ebook PDF downloadAn Introduction to Statistical Concepts: Third Edition By Debbie L Hahs-Vaughn, Richard G Lomax DocAn Introduction to Statistical Concepts: Third Edition By Debbie L Hahs-Vaughn, Richard G Lomax MobipocketAn Introduction to Statistical Concepts: Third Edition By Debbie L Hahs-Vaughn, Richard G Lomax EPubHFJE2IL1UQZ: An Introduction to Statistical Concepts: Third Edition By Debbie L Hahs-Vaughn, Richard G Lomax