

Preface

This fourth edition of the book represents a substantial departure from previous editions. In this edition, we moved all inferential analysis chapters before multivariate descriptive analysis. This was based on valuable feedback from reviewers and from those who use the book in their courses. We hope this change in structure will make the book more useful for teachers and more understandable by students. This edition still retains the focus on understanding data, knowing what analysis procedures are best matched for that data, and interpreting the results. It also retains a reliance on statistical output (including how to conduct analyses in SPSS), but adds more formulas for those who use these as a part of the pedagogy of the course. This edition maintains the breadth of previous editions, allowing it to serve students well from undergraduate classes and into graduate school, perhaps even to a doctoral program. We firmly believe that a basic understanding of statistics is essential to successfully navigating careers in the 21st century. We hope this text serves as a foundation for knowledge and success.

Acknowledgments

We would like to thank the reviewers of this edition of the book, and particularly those who use the book in class, for their valuable feedback. The reorganization of this edition, as well as the suggestion for change, are in direct response to their comments and suggestions.

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We would also like to thank **Tak-Shing Harry So** at the University of Indiana for providing his valuable input in the technical review of this text.

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New to the *Fourth Edition*

Now in its fourth edition, *Statistics in Criminology and Criminal Justice: Analysis and Interpretation* focuses on both theory and application of statistical analysis geared toward social science, particularly criminology and criminal justice students. The *Fourth Edition* addresses data collection, knowing which statistics to use with what data, and how to interpret output of SPSS. This text comprehensively explains and demonstrates statistical procedures, explains why procedures give the results they do, shows how to interpret the output of statistical analyses, and much more. Each chapter has been updated to include new information on statistical output, revised data files, additional data sets, and extensive use of flowcharts to increase students' confidence in analyzing and conducting statistical research. For this edition, hypothesis testing chapters have been moved up so students can get the benefit of understanding Z tests and *t*-tests before launching into multivariate analyses. In addition to the student aids that made the third edition a hit with students, such as "How Do You Do That" and "A Bit of History" explanations, the *Fourth Edition* added new features, including start-of-chapter learning objectives, end-of-chapter webpointer to a new student study site, a glossary of terms, and equation glossary.

Instructor Resources

- **PowerPoint Lecture Outlines:** An effective way for instructors to make engaging and educational presentations. Slides can be edited and modified to fit an instructor's specific classroom needs.

- **Test Bank:** Contains Multiple Choice, True/False, and Fill-in-the-Blank questions. This array of questions allows an instructor to quickly customize classroom tests and quizzes by selecting, editing, and printing a test. The Test Bank comes with an answer key that includes page references to the text.
- **Chapter Outlines:** Highlight the important topics covered throughout each chapter in an easy-to-read format. Chapter Outlines can be modified to fit your classroom needs.
- **Answers to End-of-Chapter Exercises:** Provides comprehensive answers to the exercises found in the end of every chapter.

Student Resources

Make full use of today's teaching and technology! Visit our Student Companion Website to access additional resources to help the students grasp key concepts in statistics for criminal justice.

<http://criminaljustice.jbpub.com/Stats4e>

- Our interactive Companion Website has been designed to specifically complement *Statistics in Criminology and Criminal Justice: Analysis and Interpretation, 4th Edition*. The resources available include:
 - Vocabulary explorer, including an interactive glossary, flashcards, and cross-word puzzles
 - Practice Quizzes to test your knowledge of the important concepts in each chapter
 - Weblinks that can be referenced to research additional materials on selected topics covered in this book
 - Sample Data Sets (both in SPSS and Excel) to enhance data sets and activities presented in the book