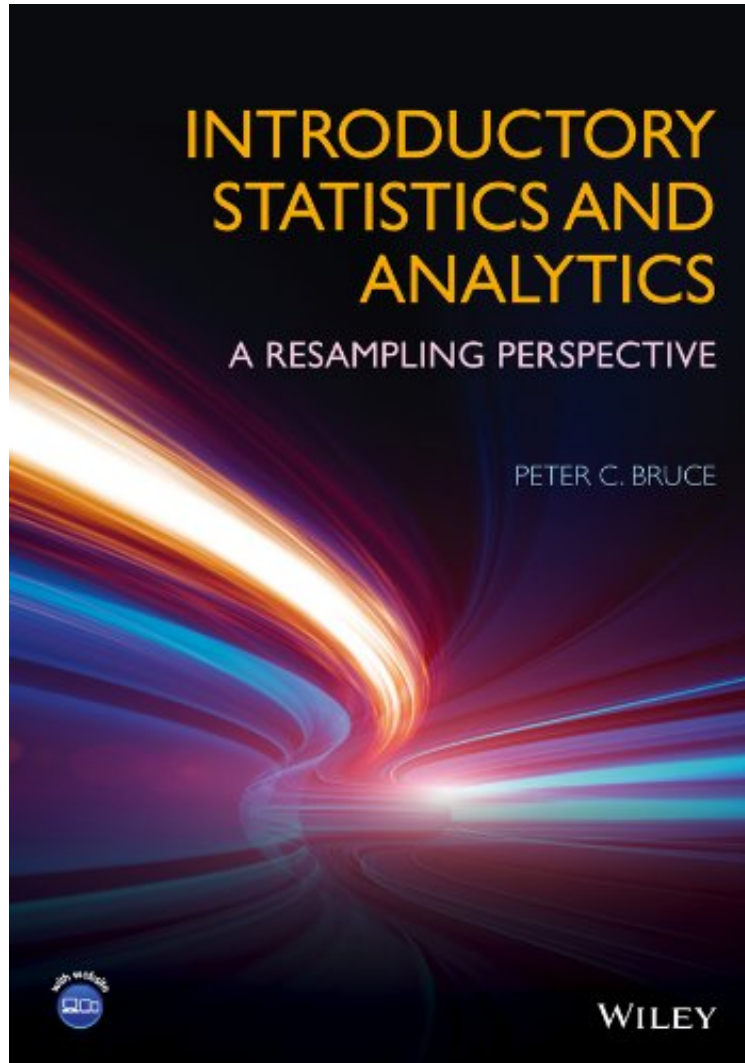


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Introductory Statistics and Analytics: A Resampling Perspective

Peter C. Bruce

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review, we most likely took the course(s) at nearly the same time (unless you waited a few months before posting?), so our course information would have been similar. It's true that the two versions, pdf and hard copy, differ in chapter arrangement. However, the differences are explicitly spelled out in the course Lesson assignments and I found them quite easy to follow. It is my understanding that the pdf copy predates the hard copy, but the pdf version is kept more current for obvious reasons. The author can make changes or additions to the pdf copy when needed, while the hard copy version is in print and can't be changed! However, I would NOT classify the hard copy text as outdated by any means. I also found the ancillary materials provided on the textbook's website (and in the course) to be exemplary as were the nearly identical materials for the pdf version. The free textbook supplement available on the textbook website and the analogous version for the pdf is invaluable for learning how to run the simulations. You'll come away an expert in working probability and statistics problems! Now, regarding the content of the textbook. I have taken many, many math courses, mainly in the dim distant past, and I still keep my hand in the game a bit. I wanted to take a refresher course or two in statistics because I seemed to have some difficulty remembering and understanding the statistics I had almost learned a few decades ago. I'm not certain why, but for me, differential equations = easy, but probability and statistics = hard. I found the approach Mr. Bruce took in this textbook to be very refreshing and VERY intuitive. Using the free Resampling Stats software (excellent!), I was able to model the classic problems in probability and stats via simulation (similar to Monte Carlo simulation) and everything made sense. I came away with a deep understanding of the concepts of probability and inferential statistics and that earns this textbook and the resampling approach high praise indeed. It's wonderful to be able to model a problem and arrive at a logical answer without having to use an arcane formula! My only regret is that I could not have learned this method years ago. However, the resampling approach is a modern one and requires the use of a computer. In my opinion, that makes the subject more easily accessible. I give this textbook (and the courses) 5 big stars! Highly recommended! 1 of 3 people found the following review helpful. Out of date as a course text. By Mick I enrolled in one of his course and suggested that I buy his book as it was a text in the course. This version is out of date and only roughly follows text provided in course. Better to download the PDF version provided in the course for free. Could be useful if not being used as course textbook.

Concise, thoroughly class-tested primer that features basic statistical concepts in the context of analytics, resampling, and the bootstrap A uniquely developed presentation of key statistical topics, *Introductory Statistics and Analytics: A Resampling Perspective* provides an accessible approach to statistical analytics, resampling, and the bootstrap for readers with various levels of exposure to basic probability and statistics. Originally class-tested at one of the first online learning companies in the discipline, www.statistics.com, the book primarily focuses on applications of statistical concepts developed via resampling, with a background discussion of mathematical theory. This feature stresses statistical literacy and understanding, which demonstrates the fundamental basis for statistical inference and demystifies traditional formulas. The book begins with illustrations that have the essential statistical topics interwoven throughout before moving on to demonstrate the proper design of studies. Meeting all of the Guidelines for Assessment and Instruction in Statistics Education (GAISE) requirements for an introductory statistics course, *Introductory Statistics and Analytics: A Resampling Perspective* also includes: Over 300 "Try It Yourself" exercises and intermittent practice questions, which challenge readers at multiple levels to investigate and explore key statistical concepts Numerous interactive links designed to provide solutions to exercises and further information on crucial concepts Linkages that connect statistics to the rapidly growing field of data science Multiple discussions of various software systems, such as Microsoft Office Excelreg;, StatCrunch, and R, to develop and analyze data Areas of concern and/or contrasting points-of-view indicated through the use of "Caution" icons *Introductory Statistics and Analytics: A Resampling Perspective* is an excellent primary textbook for courses in preliminary statistics as well as a supplement for courses in upper-level statistics and related fields, such as biostatistics and econometrics. The book is also a general reference for readers interested in revisiting the value of statistics.

"The book is an excellent primary textbook for courses in preliminary statistics as well as a supplement for courses in upper-level statistics and related fields, such as biostatistics and econometrics. The book is also a general reference for readers interested in revisiting the value of statistics." (Zentralblatt MATH, 1 April 2015) From the Back Cover Concise, thoroughly class-tested primer that features basic statistical concepts in the context of analytics, resampling, and the bootstrap A uniquely developed presentation of key statistical topics, *Introductory Statistics and Analytics: A Resampling Perspective* provides an accessible approach to statistical analytics, resampling, and the bootstrap for readers with various levels of exposure to basic probability and statistics. Originally class-tested at one of the first online learning companies in the discipline, www.statistics.com, the book primarily focuses on applications of statistical concepts developed via resampling, with a background discussion of mathematical theory. This feature stresses statistical literacy and understanding, which demonstrates the fundamental basis for statistical inference and demystifies traditional formulas. The book begins with illustrations that have the

essential statistical topics interwoven throughout before moving on to demonstrate the proper design of studies. Meeting all of the Guidelines for Assessment and Instruction in Statistics Education (GAISE) requirements for an introductory statistics course, *Introductory Statistics and Analytics: A Resampling Perspective* also includes: Over 300 "Try It Yourself" exercises and intermittent practice questions, which challenge readers at multiple levels to investigate and explore key statistical concepts Numerous interactive links designed to provide solutions to exercises and further information on crucial concepts Linkages that connect statistics to the rapidly growing field of data science Multiple discussions of various software systems, such as Microsoft Office Excel, StatCrunch, and R, to develop and analyze data Areas of concern and/or contrasting points-of-view indicated through the use of "Caution" icons *Introductory Statistics and Analytics: A Resampling Perspective* is an excellent primary textbook for courses in preliminary statistics as well as a supplement for courses in upper-level statistics and related fields, such as biostatistics and econometrics. The book is also a general reference for readers interested in revisiting the value of statistics. Peter C. Bruce is President and Founder of the Institute for Statistics Education at www.statistics.com. He has written multiple journal articles and is the developer of Resampling Stats software. Mr. Bruce is the coauthor of *Data Mining for Business Intelligence: Concepts, Techniques, and Applications in Microsoft Office Excel with XLMiner*, Second Edition, also published by Wiley. About the Author Peter C. Bruce is President and Founder of the Institute for Statistics Education at www.statistics.com. He has written multiple journal articles and is the developer of Resampling Stats software. Mr. Bruce is the coauthor of *Data Mining for Business Intelligence: Concepts, Techniques, and Applications in Microsoft Office Excel with XLMiner*, Second Edition, also published by Wiley.