The Joy of Statistics: Learning with Real World Data

By TSOKOS CHRIS, WOOTEN REBECCA

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The Joy of Statistics takes the reader on an important, interdisciplinary, and joyful ride in learning statistics...The Joy of Statistics introduces the reader to important and basic questions on a broad spectrum of problems facing global society in environmental studies, medicine, education, engineering, business, sociology, and sports. These questions are derived from real-world data and emphasize the joy of learning basic statistics to answer these important and relevant questions. By integrating real-world data and issues, the reader will be full of joy in learning statistics, which is vitally important and relevant to his/her personal well-being in a complex society. Successfully fusing a textbook, accompanying workbook, and technology, The Joy of Statistics: Introduces the reader to technological tools that allow for access to even more real-world data. Features a rigorous, clear, and concise step-by-step development of statistical methodology that is easy for the reader to follow and comprehend. Presents the reader with a better understanding of the applicability of statistics and how it can be used to address relevant questions facing today's society, help make viable public policies, and set long-term goals for improving our quality of life. Includes a large number of problems (classified as basic, critical thinking, and real-world) - more than any other book on the subject. Provides instructors with a well-organized instructor's resource library. The library includes sample tests, test solvers, interactive Excel documents, an instructor's manual with a solutions manual, and ready-to-use PowerPoint slides for each chapter with animated illustrations of many of the topics. Enhances the learning of basic aspects of probability and its usefulness through a review of set theory using Venn diagrams.

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