

ZMATH 2013e.00628

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Statistics. From data to decision. 2nd ed.

Hoboken, NJ: John Wiley & Sons (ISBN 978-0-470-45851-8/hbk). xix, 829 p. (2011).

Publisher's description: This book teaches a modern approach that uses graphing calculators or statistical software and allows students and instructors to place more emphasis on statistical concepts and data analysis than on following recipes for calculations. The text is intended to be used as much as a dialog as a reference; students will have to be thoughtful as they read. An activity introduces each major topic, allowing students to experience the major concepts of statistical thinking before going on to confirm them through further analysis (often involving simulation) and practice with data. The book gives the design and analysis of both experiments and surveys an honest treatment, rather than forcing them into overly simplistic models. The authors are well known for their work in helping the introductory statistics course evolve into one that emphasizes activity-based learning of statistical concepts while reflecting modern statistical practice. This book is a product of what they have learned from many others who have been actively involved along with them in the MAA's STATS project and Focus Group on Statistics, the ASA's Quantitative Literacy projects, and the College Board's AP Statistics course. This text is written in the spirit of the recommendations from these projects.

Classification: K10