Introduction to Statistics: Using Interactive MM*Stat Elements

Wolfgang Karl Hrdle, Sigbert Klinke, Bernd Rnz
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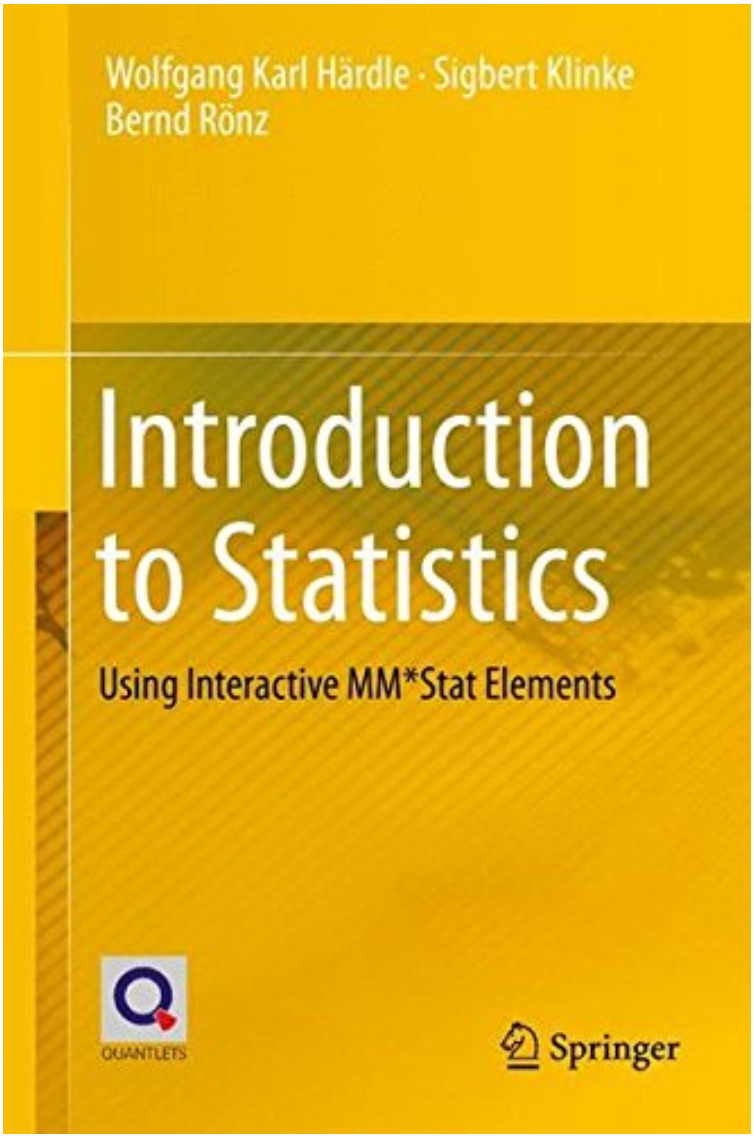

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Wolfgang Karl Hrdle, Sigbert Klinke, Bernd Rnz : Introduction to Statistics: Using Interactive MM*Stat Elements before purchasing it in order to gage whether or not it would be worth my time, and all praised Introduction to Statistics: Using Interactive MM*Stat Elements:

This book covers all the topics found in introductory descriptive statistics courses, including simple linear regression and time series analysis, the fundamentals of inferential statistics (probability theory, random sampling and estimation

theory), and inferential statistics itself (confidence intervals, testing).Each chapter starts with the necessary theoretical background, which is followed by a variety of examples. The core examples are based on the content of the respective chapter, while the advanced examples, designed to deepen students knowledge, also draw on information and material from previous chapters.The enhanced online version helps students grasp the complexity and the practical relevance of statistical analysis through interactive examples and is suitable for undergraduate and graduate students taking their first statistics courses, as well as for undergraduate students in non-mathematical fields, e.g. economics, the social sciences etc.

The book is meant for undergraduate and graduate students taking their first statistics courses, as well as for undergraduate students in non-mathematical fields. The book includes many examples with explanations. This book will be useful for statistics students. (S. V. Nagaraj, Computing s, November, 2016)From the Back CoverMM*Stat, together with its enhanced online version with interactive examples, offers a flexible tool that facilitates the teaching of basic statistics. It covers all the topics found in introductory descriptive statistics courses, including simple linear regression and time series analysis, the fundamentals of inferential statistics (probability theory, random sampling and estimation theory), and inferential statistics itself (confidence intervals, testing).MM*Stat is also designed to help students rework class material independently and to promote comprehension with the help of additional examples. Each chapter starts with the necessary theoretical background, which is followed by a variety of examples. The core examples are based on the content of the respective chapter, while the advanced examples, designed to deepen students knowledge, also draw on information and material from previous chapters.The enhanced online version helps students grasp the complexity and the practical relevance of statistical analysis through interactive examples and is suitable for undergraduate and graduate students taking their first statistics courses, as well as for undergraduate students in non-mathematical fields, e.g. economics, the social sciences etc.All R codes and data sets may be downloaded via the quantlet download center.About the AuthorWolfgang Karl Hrdle is the Ladislaus von Bortkiewicz Professor of Statistics at the Humboldt-Universitt zu Berlin and director of C.A.S.E. (Center for Applied Statistics and Economics), director of the CRC-649 (Collaborative Research Center) Economic Risk and director of the IRTG 1792 High Dimensional Non-stationary Time Series. He teaches quantitative finance and semi-parametric statistics. His research focuses on dynamic factor models, multivariate statistics in finance and computational statistics. He is an elected member of the ISI (International Statistical Institute) and advisor to the Guanghua School of Management, Peking University and a senior fellow of Sim Kee Boon Institute of Financial Economics at the Singapore Management University.Sigbert Klinke is a postdoctoral research fellow at the Ladislaus von Bortkiewicz Chair of Statistics at Humboldt-Universitt zu Berlin. He received his PhD in computational statistics from the Catholique University in Louvain-la-Neuve, Belgium. He teaches introductory statistics courses and data analytical courses for bachelor and master students in Economics and Educational Science at Humboldt-Universitt zu Berlins School of Business and Economics. His research focuses on computational and multivariate statistics and the teaching of statistics.Bernd Rnz was a Professor of Statistics at the Institute for Statistics and Econometrics, School of Business and Economics, Humboldt University, Berlin. He taught Statistics, Computational Statistics and Generalized Linear Models. His research focused on multivariate statistics, computational statistics and generalized linear models. He previously worked as Associate Professor of Quantitative Methods for Business Decisions at the University of Dar es Salaam, Tanzania for more than two years. Furthermore, he was a Visiting Lecturer at Hosei-University Tokyo and Ritsumeikan-University Kyoto and a Visiting Fellow at the Centre for Mathematics and its Applications, School of Mathematical Sciences, The Australian National University, Canberra. He retired in 2006.