



Sequential Methods and Their Applications

By Nitis Mukhopadhyay, Basil de Silva

Taylor & Francis Inc. Hardback. Book Condition: new. BRAND NEW, Sequential Methods and Their Applications, Nitis Mukhopadhyay, Basil de Silva, This book features interactively run simulations and experiment with real or simulated data to make sequential analysis come alive. Taking an accessible, nonmathematical approach to this field, "Sequential Methods and Their Applications" illustrates the efficiency of sequential methodologies when dealing with contemporary statistical challenges in many areas. The book first explores fixed sample size, sequential probability ratio, and nonparametric tests. It then presents numerous multistage estimation methods for fixed-width confidence interval as well as minimum and bounded risk problems. The book also describes multistage fixed-size confidence region methodologies, selection methodologies, and Bayesian estimation. Through diverse applications, each chapter provides valuable approaches for performing statistical experiments and facilitating real data analysis. Functional in a variety of statistical problems, the authors' interactive computer programs show how the methodologies discussed can be implemented in data analysis. Each chapter offers examples of input, output, and their interpretations. Available online, the programs provide the option to save some parts of an output so readers can revisit computer-generated data for further examination with exploratory data analysis. Through this book and its computer programs, readers will better understand...



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