



Introduction to Robust Estimation and Hypothesis Testing (Statistical Modeling and Decision Science)

By Rand R. Wilcox

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Introduction to Robust Estimation and Hypothesis Testing focuses on the practical applications of modern, robust statistical methods. The increased accuracy and power of modern methods is remarkable compared to the conventional approaches of the analysis of variance (ANOVA) and regression. Through a combination of theoretical developments, improved and more flexible statistical methods, and the power of the computer, it is now possible to address problems with standard methods that seemed insurmountable only a few years ago. This book provides a thorough, up-to-date explanation of the foundation of robust methods for beginners. It guides the reader through the basic strategies used for practical solutions to problems, and includes helpful updates which are available free of charge via an anonymous ftp site. The book also provides a brief background on the foundations of modern methods, placing the new methods in historical context.

- * Covers modern, more accurate methods of statistical estimation and hypothesis testing not covered in existing books
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Review

"The two biggest strengths of *Introduction to Robust Estimation and Hypothesis Testing*, by Rand R. Wilcox, are its practical usability and its inherent structure....*Introduction to Robust Estimation and Hypothesis Testing* is a nice complement to other books in the area of robust methods."

--Paul S. Horn, University of Cincinnati, TECHNOMETRICS

About the Author

Rand R. Wilcox has a Ph.D. in psychometrics, is a professor of psychology at the University of Southern California, and a Fellow of the Royal Statistics Society and American Psychological Society. He is an internationally recognized expert in the field of Applied Statistics and has concentrated much of his research in the area of ANOVA and Regression. He has authored two books and more than 130 journal articles.

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