



2012, 2012, XVI, 161 p. 32 illus., 4 in color.

 **Printed book**

Hardcover

- ▶ **69,95 € | £62.99 | \$79.95**
- ▶ ***74,85 € (D) | 76,95 € (A) | SFr. 100.50**

L. Lin, A.S. Hedayat, W. Wu

Statistical Tools for Measuring Agreement

- ▶ Appeals to a broad range of statisticians, researchers, practitioners, and students in areas of biomedical devices, psychology, and medical research, in which agreement assessment are needed
- ▶ Considers un-scaled (absolute) and scaled (relative) agreement statistics for both continuous and categorical variables
- ▶ Many practical examples will be presented throughout the book in a wide variety of situations for continuous and categorical data

Agreement assessment techniques are widely used in examining the acceptability of a new or generic process, methodology and/or formulation in areas of lab performance, instrument/assay validation or method comparisons, statistical process control, goodness-of-fit, and individual bioequivalence. Successful applications in these situations require a sound understanding of both the underlying theory and methodological advances in handling real-life problems. This book seeks to effectively blend theory and applications while presenting readers with many practical examples. For instance, in the medical device environment, it is important to know if the newly established lab can reproduce the instrument/assay results from the established but outdated lab. When there is a disagreement, it is important to differentiate the sources of disagreement. In addition to agreement coefficients, accuracy and precision coefficients are introduced and utilized to characterize these sources.

This book will appeal to a broad range of statisticians, researchers, practitioners and students, in areas of biomedical devices, psychology, medical research, and others, in which agreement assessment are needed. Many practical illustrative examples will be presented throughout the book in a wide variety of situations for continuous and categorical data.



Order online at springer.com ▶ or for the Americas call (toll free) 1-800-SPRINGER ▶ or email us at: orders-ny@springer.com. ▶ For outside the Americas call +49 (0) 6221-345-4301 ▶ or email us at: orders-hd-individuals@springer.com.

The first € price and the £ and \$ price are net prices, subject to local VAT. Prices indicated with * include VAT for books; the €(D) includes 7% for Germany, the €(A) includes 10% for Austria. Prices indicated with ** include VAT for electronic products; 19% for Germany, 20% for Austria. All prices exclusive of carriage charges. Prices and other details are subject to change without notice. All errors and omissions excepted.