

Statistical Methods for Survival Data Analysis

By Elisa T. Lee, John Wenyu Wang

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Praise for the *Third Edition*

". . . an easy-to read introduction to survival analysis which covers the major concepts and techniques of the subject." —*Statistics in Medical Research*

Updated and expanded to reflect the latest developments, *Statistical Methods for Survival Data Analysis, Fourth Edition* continues to deliver a comprehensive introduction to the most commonly-used methods for analyzing survival data. Authored by a uniquely well-qualified author team, the Fourth Edition is a critically acclaimed guide to statistical methods with applications in clinical trials, epidemiology, areas of business, and the social sciences. The book features many real-world examples to illustrate applications within these various fields, although special consideration is given to the study of survival data in biomedical sciences.

Emphasizing the latest research and providing the most up-to-date information regarding software applications in the field, *Statistical Methods for Survival Data Analysis, Fourth Edition* also includes:

- Marginal and random effect models for analyzing correlated censored or uncensored data
- Multiple types of two-sample and K-sample comparison analysis
- Updated treatment of parametric methods for regression model fitting with a new focus on accelerated failure time models
- Expanded coverage of the Cox proportional hazards model
- Exercises at the end of each chapter to deepen knowledge of the presented material

Statistical Methods for Survival Data Analysis is an ideal text for upper-undergraduate and graduate-level courses on survival data analysis. The book is also an excellent resource for biomedical investigators, statisticians, and epidemiologists, as well as researchers in every field in which the analysis of survival data plays a role.

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Editorial Review

Review

“In summary, this book continues to improve, and the fourth edition is a welcome addition to the available books on survival analysis. The expanded sections on modelling and the addition of R software examples are particularly helpful.” (*International Statistical Review*, 1 October 2015)

From the Back Cover

Praise for the *Third Edition*

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About the Author

ELISA T. LEE, PhD, is Regents Professor and George Lynn Cross Research Professor of Biostatistics and Epidemiology and Director of the Center for American Indian Health Research at the University of Oklahoma Health Sciences Center.

JOHN Wenyu WANG, PhD, is Professor of Research at the Center for American Indian Health Research at the University of Oklahoma Health Sciences Center.

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