An Introduction to Survival Analysis Using Stata, Revised Third Edition provides new researchers with the foundation for understanding the various approaches for analyzing time-to-event data. This book serves not only as a tutorial for those wishing to learn survival analysis but also as a valuable reference for experienced researchers interested in using Stata to analyze survival data.

The book is written for professional researchers from all disciplines, including biostatistics, epidemiology, public health, medicine, sociology, economics, political science, engineering, and other fields where survival analysis is applicable. Although the book assumes knowledge of statistical principles, basic probability, and working knowledge of Stata, it is practical rather than mathematical in its approach to the subject. The reader of this book will come away not just with understanding of the formulas but also with intuition of how the various survival analysis estimators work and what information they exploit. The reader will also come away with deeper and more comprehensive knowledge of the syntax, features, and underpinnings of Stata's survival analysis routines.

The revised third edition has been updated to reflect Stata 14, which was released in April 2015. The chapter on power and sample size now uses the **power** command. A new section demonstrates how to obtain marginal predictions and marginal effects using the **margins** and **marginsplot** commands after survival regression models.

The authors are also the authors of Stata statistical software, in particular, Stata's widely used survival analysis suite.

Mario Cleves is Professor and the Biostatistics Section Chief in the Department of Pediatrics at the University of Arkansas for Medical Sciences. William Gould is President and Head of Development at StataCorp. Yulia V. Marchenko is Executive Director of Statistics at StataCorp.

Telephone: 979-696-4600
800-782-8272
800-STATAPC
Fax: 979-696-4601

service@stata-press.com
stata-press.com

Stata Press

Contents