



Introducing Survival and Event History Analysis

By Melinda Mills

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This book is an accessible, practical and comprehensive guide for researchers from multiple disciplines including biomedical, epidemiology, engineering and the social sciences.

Written for accessibility, this book will appeal to students and researchers who want to understand the basics of survival and event history analysis and apply these methods without getting entangled in mathematical and theoretical technicalities. Inside, readers are offered a blueprint for their entire research project from data preparation to model selection and diagnostics.

Engaging, easy to read, functional and packed with enlightening examples, 'hands-on' exercises, conversations with key scholars and resources for both students and instructors, this text allows researchers to quickly master advanced statistical techniques. It is written from the perspective of the 'user', making it suitable as both a self-learning tool and graduate-level textbook.

Also included are up-to-date innovations in the field, including advancements in the assessment of model fit, unobserved heterogeneity, recurrent events and multilevel event history models. Practical instructions are also included for using the statistical programs of R, STATA and SPSS, enabling readers to replicate the examples described in the text.

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Editorial Review

Review

This book is very useful for researchers and students

in different scientific areas – social sciences and humanities, medicine, in

general every science where studies measuring time changes in variables are

conducted...As the author explains, this book is written from the

perspective of an absolute beginner – comprehensible and with a lot of examples

in the text, tables and graphs. It goes beyond an introductory textbook on this

topic, because it presents not only non-parametric models, semi-parametric

models, parametric models, model-building and model diagnostics, but it is focused also on some more recent techniques like frailty and recurrent event

history models, discrete-time models, multistate models, competing risk

analysis and sequence analysis...Everyone who would like to start with Survival and

Event History analysis or to get more knowledge of Survival and Event History

analysis could do this by reading this book

Stanislava Yordanova Stoyanova

Methodspace

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