

## Multivariate survival analysis for case–control family data

LI HSU\*

*Program in Biostatistics and Biomathematics, Public Health Sciences Division,  
Fred Hutchinson Cancer Research Center, 1100 Fairview Avenue North, M2-B500,  
PO Box 19024, Seattle, WA 98109-1024, USA  
lih@fhcrc.org*

MALKA GORFINE

*Department of Mathematics, Bar Ilan University, Ramat-Gan 52900,  
Israel and Faculty of Industrial Engineering and Management,  
Technion—Israel Institute of Technology, Technion City, Haifa 32000, Israel*

### SUMMARY

Multivariate survival data arise from case–control family studies in which the ages at disease onset for family members may be correlated. In this paper, we consider a multivariate survival model with the marginal hazard function following the proportional hazards model. We use a frailty-based approach in the spirit of Glidden and Self (1999) to account for the correlation of ages at onset among family members. Specifically, we first estimate the baseline hazard function nonparametrically by the innovation theorem, and then obtain maximum pseudolikelihood estimators for the regression and correlation parameters plugging in the baseline hazard function estimator. We establish a connection with a previously proposed generalized estimating equation-based approach. Simulation studies and an analysis of case–control family data of breast cancer illustrate the methodology’s practical utility.

**Keywords:** Case–control family study; Cox proportional hazards model; Familial aggregation; Frailty model; Innovation theorem.

### 1. INTRODUCTION

There is an increasing interest in the application of multivariate survival analysis techniques to population-based case–control studies for estimating the marginal hazard function and the dependencies of correlated ages at disease onset (Li *et al.*, 1998; Shih and Chatterjee, 2002; Hsu *et al.*, 2004). An interesting example is a breast cancer study conducted at the Fred Hutchinson Cancer Research Center (Malone *et al.*, 1996). In this study, the breast cancer incidence cases were ascertained from the Surveillance, Epidemiology, and End Results registry, which is a set of geographically defined, population-based cancer registries in the United States. The controls were obtained through random digit dialing and were matched

\*To whom correspondence should be addressed.

# S Analysis Of Multivariate Survival Data Pdf

**RD Boyd**



## **S Analysis Of Multivariate Survival Data Pdf:**

Analysis of Multivariate Survival Data Philip Hougaard, 2012-12-06 Survival data or more general time to event data occur in many areas including medicine biology engineering economics and demography but previously standard methods have requested that all time variables are univariate and independent This book extends the field by allowing for multivariate times Applications where such data appear are survival of twins survival of married couples and families time to failure of right and left kidney for diabetic patients life history data with time to outbreak of disease complications and death recurrent episodes of diseases and cross over studies with time responses As the field is rather new the concepts and the possible types of data are described in detail and basic aspects of how dependence can appear in such data is discussed Four different approaches to the analysis of such data are presented The multi state models where a life history is described as the subject moving from state to state is the most classical approach The Markov models make up an important special case but it is also described how easily more general models are set up and analyzed Frailty models which are random effects models for survival data made a second approach extending from the most simple shared frailty models which are considered in detail to models with more complicated dependence structures over individuals or over time Marginal modelling has become a popular approach to evaluate the effect of explanatory factors in the presence of dependence but without having specified a statistical model for the dependence Finally the completely non parametric approach to bivariate censored survival data is described This book is aimed at investigators who need to analyze multivariate survival data but due to its focus on the concepts and the modelling aspects it is also useful for persons interested in such data but

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Programs and data sets available on the book's website      **Bayesian Thinking, Modeling and Computation**, 2005-11-29  
This volume describes how to develop Bayesian thinking modelling and computation both from philosophical methodological and application point of view It further describes parametric and nonparametric Bayesian methods for modelling and how to use modern computational methods to summarize inferences using simulation The book covers wide range of topics including objective and subjective Bayesian inferences with a variety of applications in modelling categorical survival spatial spatiotemporal Epidemiological software reliability small area and micro array data The book concludes with a chapter on how to teach Bayesian thoughts to nonstatisticians Critical thinking on causal effects Objective Bayesian philosophy Nonparametric Bayesian methodology Simulation based computing techniques Bioinformatics and Biostatistics      **Big Data and Information Theory** Jiuping Xu, Syed Ejaz Ahmed, Zongmin Li, 2022-06-01 Big Data and Information Theory are a binding force between various areas of knowledge that allow for societal advancement Rapid development of data analytic and information theory allows companies to store vast amounts of information about production inventory service and consumer activities More powerful CPUs and cloud computing make it possible to do complex optimization instead of using heuristic algorithms as well as instant rather than offline decision making The era of big data challenges includes analysis capture curation search sharing storage transfer visualization and privacy violations Big data calls for better integration of optimization statistics and data mining In response to these challenges this book brings together leading researchers and engineers to exchange and share their experiences and research results about big data and information theory applications in various areas This book covers a broad range of topics including statistics data mining data warehouse implementation engineering management in large scale infrastructure systems data driven sustainable supply chain network information technology service offshoring project issues online rumors governance preliminary cost estimation and information system project selection The chapters in this book were originally published in the journal International Journal of Management Science and Engineering Management      **Springer Handbook of Engineering Statistics** Hoang Pham, 2006 In today's global and highly competitive environment continuous improvement in the processes and products of any field of engineering is essential for survival This book gathers together the full range of statistical techniques required by engineers from all fields It will assist them to gain sensible statistical feedback on how their processes or products are functioning and to give them realistic predictions of how these could be improved The handbook will be essential reading for all engineers and engineering connected managers who are serious about keeping their methods and products at the cutting edge of quality and competitiveness      *Bayesian Analysis with R for Drug Development* Harry Yang, Steven Novick, 2019-06-26 Drug development is an iterative process The recent publications of regulatory guidelines further entail a lifecycle approach Blending data from disparate sources the Bayesian approach provides a flexible framework for drug development Despite its advantages the uptake of Bayesian methodologies is lagging behind in the field of pharmaceutical development Written

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Raphael. L.C Araújo,Rachel P. Riechelmann,2018-04-16 This book introduces and discusses the most important aspects of clinical research methods and biostatistics for oncologists pursuing a tailor made and practical approach Evidence based medicine EBM has been in vogue in the last few decades particularly in rapidly advancing fields such as oncology This approach has been used to support decision making processes worldwide sparking new clinical research and guidelines on clinical and surgical oncology Clinical oncology research has many peculiarities including specific study endpoints a special focus on survival analyses and a unique perspective on EBM However during medical studies and in general practice these topics are barely taught Moreover even when EBM and clinical cancer research are discussed they are presented in a theoretical fashion mostly focused on formulas and numbers rather than on clinical application for a proper literature appraisal Addressing that gap this book discusses more practical aspects of clinical research and biostatistics in oncology instead of relying only on mathematical formulas and theoretical considerations Methods and Biostatistics in Oncology will help readers develop the skills they need to understand the use of research on everyday oncology clinical practice for study design and interpretation as well to demystify the use of EBM in oncology

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*Proceedings*, 2008

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*AMSTAT News* American Statistical Association, 2008

*Survival Analysis with Long-term Survivors and Partially Observed Covariates* Dongliang Zhuang, 1999

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