

# Unlock the Secrets of Complex Data with "Survival Analysis With Correlated Endpoints"

Survival analysis is a powerful statistical technique used to analyze the time until an event of interest occurs. Traditional survival analysis methods assume that events occur independently, but in many real-world applications, this assumption is violated. For example, in medical research, patients may have multiple events (e.g., hospitalizations, disease recurrences) over time, and these events may be correlated.

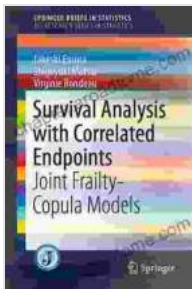
"Survival Analysis With Correlated Endpoints" by Professor Jens Lagerlund is a comprehensive resource that provides a thorough understanding of survival analysis with correlated endpoints. This book covers both theoretical concepts and practical applications, making it an invaluable resource for researchers, practitioners, and students alike.

- **Comprehensive Coverage:** The book covers a wide range of topics, including parametric and non-parametric models, frailty models, and Bayesian approaches. It also discusses various techniques for handling censoring and missing data.
- **Real-World Applications:** The book is illustrated with numerous real-world examples from medical research, epidemiology, and other fields. These examples demonstrate the practical utility of survival analysis with correlated endpoints.
- **Advanced Topics:** The book covers advanced topics such as competing risks, multivariate survival analysis, and joint modeling of

longitudinal and survival data. These topics provide readers with a deeper understanding of complex data analysis.

- **Accessible Format:** The book is written in a clear and concise style, making it accessible to readers with varying levels of statistical knowledge. Technical concepts are explained in an intuitive manner, and mathematical proofs are provided in appendices.

"Survival Analysis With Correlated Endpoints" is an essential resource for:



## Survival Analysis with Correlated Endpoints: Joint Frailty-Copula Models (SpringerBriefs in Statistics)

by Sara E. Gorman

★★★★☆ 4.4 out of 5

Language : English

File size : 4884 KB

Screen Reader: Supported

Print length : 135 pages



- Researchers in medical research, epidemiology, and other fields
- Practitioners who analyze survival data with correlated endpoints
- Students at the graduate level or higher
- Gain a comprehensive understanding of survival analysis with correlated endpoints
- Learn how to handle complex data structures using advanced statistical techniques

- Apply survival analysis methods to real-world problems
- Advance your research and professional practice in data analysis

Professor Jens Lagerlund is a renowned expert in survival analysis. He has published numerous articles in top-tier journals and is the author of several books on statistical methods. His research focuses on developing and applying statistical models for complex data, including survival data with correlated endpoints.

"Survival Analysis With Correlated Endpoints" has received widespread acclaim from reviewers:

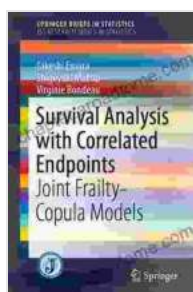
- "An excellent resource for researchers and practitioners who need to analyze survival data with correlated endpoints." - Professor John Klein, Harvard University
- "A comprehensive and well-written book that provides a deep understanding of complex data analysis." - Professor Xihong Lin, University of California, Berkeley
- "A valuable tool for anyone interested in survival analysis, especially in the presence of correlated endpoints." - Professor Niels Keiding, University of Copenhagen
- 
- Parametric Models for Correlated Endpoints
- Non-Parametric Models for Correlated Endpoints
- Frailty Models

- Bayesian Approaches
- Handling Censoring and Missing Data
- Competing Risks
- Multivariate Survival Analysis
- Joint Modeling of Longitudinal and Survival Data
- Appendices

"Survival Analysis With Correlated Endpoints" is available in hardcover, paperback, and eBook formats. To Free Download your copy, visit the publisher's website or your favorite bookstore.

**Special Offer:** For a limited time, receive a 20% discount on the hardcover edition by using the code SURVIVAL20 at checkout.

"Survival Analysis With Correlated Endpoints" is an indispensable resource for researchers, practitioners, and students who need to analyze complex survival data. This book provides a comprehensive overview of both theoretical concepts and practical applications, making it an invaluable tool for understanding and addressing the challenges of correlated endpoints. Invest in your knowledge and advance your research and professional practice today!



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