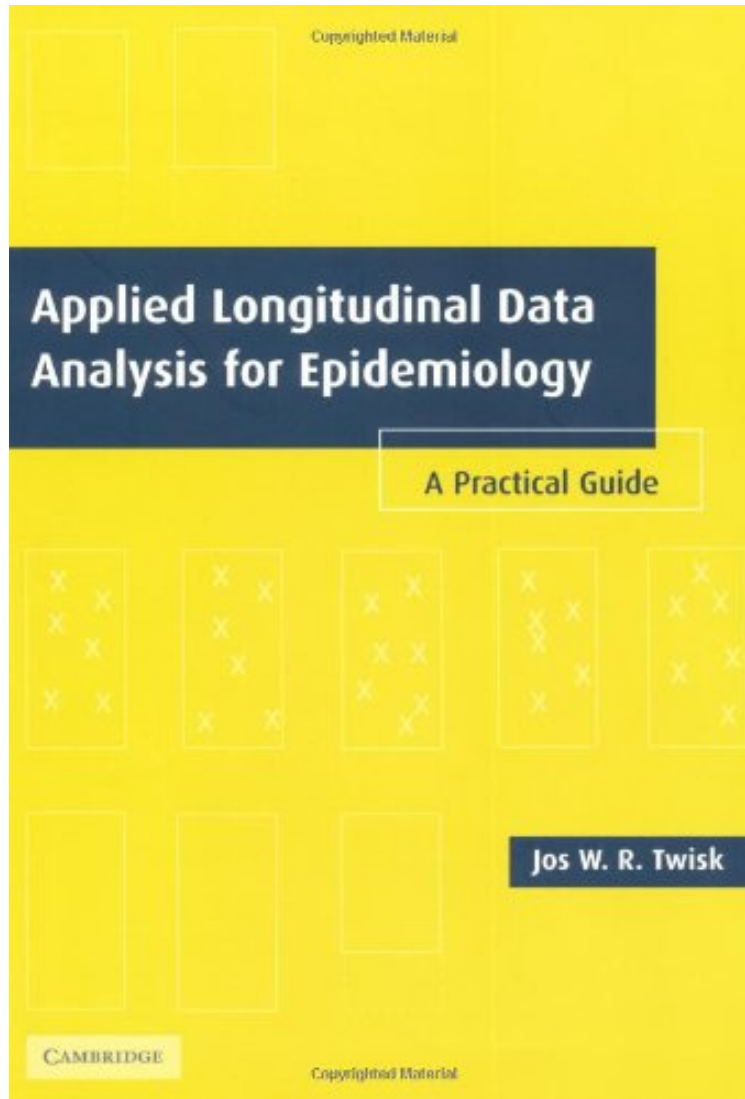


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# Applied Longitudinal Data Analysis for Epidemiology: A Practical Guide

*Jos W. R. Twisk*

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The outputs from the analysis and guidelines on how to interpret them step by step are included. There is no heavy Statistical notation and you don't need to translate Statistics into English. At the end of the book, there are chapters of how to handle missing data and softwares used in longitudinal data analysis. This book is probably too boring if you are a hardcore Statistician. 0 of 0 people found the following review helpful. Best book on longitudinal data analysis I ever read By Drannmaria The discussion of sphericity alone is worth the price of the book. I particularly appreciated throughout the book the use of computer output along with discussion of interpretation of the results. It really delivers on the promise of being an "applied" discussion. The one thing I wish the author had included was the programs that produced the output, or at least had those available on a companion website

The most important techniques available for longitudinal data analysis are discussed in this book. The discussion includes simple techniques such as the paired t-test and summary statistics, but also more sophisticated techniques such as generalized estimating equations and random coefficient analysis. A distinction is made between longitudinal analysis with continuous, dichotomous, and categorical outcome variables. This practical guide is especially suitable for non-statisticians and all those undertaking medical research or epidemiological studies.

"The book will be a welcome addition and is generally well written." Max K Bulsara, School of Population Health, University of Western Australia, Statistical Methods in Medical Research "I highly recommend Applied Longitudinal Data Analysis for Epidemiology: A Practical Guide. I believe that it will be useful for applied statisticians, public health researchers, clinical investigators, and epidemiologists. One can use this book for learning more about longitudinal data analysis (particularly regarding modern statistical techniques) and for teaching and consulting purposes." Richard A. Oster for Teaching of Statistics in the Health Sciences "...understandable, stimulating, and practical." Annals About the Author Dr Jos W. R. Twisk is Senior Researcher and Lecturer in the Department of Clinical Epidemiology and Biostatistics and the Institute for Research in Extramural Studies, Vrije Universiteit, Medical Centre, Amsterdam.