Applied Longitudinal Data Analysis

MODELING CHANGE AND EVENT OCCURRENCE

Judith D. Singer John B. Willett



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Applied Longitudinal Data Analysis Judith D. Singer, John B. Willett, 2003-03-27 By charting changes over time and investigating whether and when events occur researchers reveal the temporal rhythms of our lives Longitudinal Data Analysis for Medical Science Jos W. R. Twisk, 2023-04-27 Essential for non statisticians and researchers working with longitudinal data from medical studies this updated new edition discusses the most important techniques available for analysing data of this type Using non technical language the book explores simple methods such as the paired t test and summary statistics as well as more sophisticated regression based methods including mixed model analysis The emphasis of the discussion lies in the interpretation of the results of these different methods covering data analysis with continuous dichotomous categorical and other outcome variables Datasets used throughout the book are provided enabling readers to re analyse the examples as they make their way through chapters and improve their understanding of the material Finally an extensive and practical overview of and comparison between different software packages is provided Readers will be able to use this book as a practical manual in their everyday work without needing a strong background in statistics Applied Longitudinal Analysis Garrett M. Fitzmaurice, Nan M. Laird, James H. Ware, 2004-07 Publisher Description **Applied Longitudinal Data Analysis for Epidemiology** Jos W. R. Twisk, 2013-05-09 A practical guide to the most important techniques available for longitudinal data analysis essential for non statisticians and researchers Applied Longitudinal Data Analysis, 2000 **Applied Longitudinal Data Analysis Marie** Davidian, 2010-08-01 The goal of this book is to provide an overview of statistical models and methods that are useful in the analysis of longitudinal data that is data in the form of repeated measurements on the same experimental unit over time The intended audience is a combination of non statistics graduate students who have taken an applied methods course covering linear regression and Analysis of Variance and masters level statistics students looking for an applied intro course

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