

Advances in longitudinal data analysis: An historical perspective	p. 3
Parametric modeling of longitudinal data: Introduction and overview	p. 31
Generalized estimating equations for longitudinal data analysis	p. 43
Generalized linear mixed-effects models	p. 79
Non-linear mixed-effects models	p. 107
Growth mixture modeling: Analysis with non-Gaussian random effects	p. 143
Targets of inference in hierarchical models for longitudinal data	p. 167
Non-parametric and semi-parametric regression methods: Introduction and overview	p. 191
Non-parametric and semi-parametric regression methods for longitudinal data	p. 199
Functional modeling of longitudinal data	p. 223
Smoothing spline models for longitudinal data	p. 253
Penalized spline models for longitudinal data	p. 291
Joint models for longitudinal data: Introduction and overview	p. 319
Joint models for continuous and discrete longitudinal data	p. 327
Random-effects models for joint analysis of repeated-measurement and time-to-event outcomes	p. 349
Joint models for high-dimensional longitudinal data	p. 367
Incomplete data: Introduction and overview	p. 395
Selection and pattern-mixture models	p. 409
Shared-parameter models	p. 433
Inverse probability weighted methods	p. 453
Multiple imputation	p. 477
Sensitivity analysis for incomplete data	p. 501
Estimation of the causal effects of time-varying exposures	p. 553
Author Index	p. 601
Subject Index	p. 613

Table of Contents provided by Blackwell's Book Services and R.R. Bowker. Used with permission.