

Contents

Preface	v
List of contributors	ix
1 Loglinear Latent Variable Models for Longitudinal Categorical Data <i>Jacques A. Hagenaars</i>	1
2 Random Effects Models for Longitudinal Data <i>Geert Verbeke, Geert Molenberghs, and Dimitris Rizopoulos</i>	37
3 Multivariate and Multilevel Longitudinal Analysis <i>Nicholas T. Longford</i>	97
4 Longitudinal Research Using Mixture Models <i>Jeroen K. Vermunt</i>	119
5 An Overview of the Autoregressive Latent Trajectory (ALT) Model <i>Kenneth A. Bollen and Catherine Zimmer</i>	153
6 State Space Methods for Latent Trajectory and Parameter Estimation by Maximum Likelihood <i>Jacques J.F. Commandeur, Siem Jan Koopman, and Kees van Montfort</i>	177
7 Continuous Time Modeling of Panel Data by means of SEM <i>Johan H.L. Oud and Marc J.M.H. Delsing</i>	201
8 Five Steps in Latent Curve and Latent Change Score Modeling with Longitudinal Data <i>John J. McArdle and Kevin J. Grimm</i>	245
9 Structural Interdependence and Unobserved Heterogeneity in Event History Analysis <i>Daniel J. Blake, Janet M. Box-Steffensmeier, and Byungwon Woo</i>	275