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	Nota di contenuto	Sequence Analysis: Where Are We, Where Are We Going?:Gilbert Ritschard and Matthias Studer -- Part I About Different Longitudinal Approaches in Longitudinal Analysis: Do Different Approaches in Population Science Lead to Divergent or Convergent Models? -- Daniel Courgeau -- Case Studies of Combining Sequence Analysis and Modelling: Mervi Eerola -- Part II Sequence Analysis and Event History Analysis: Glass Ceilings, Glass Escalators and Revolving Doors: Lydia Malin and Ramsey Wise -- Modelling Mortality Using Life Trajectories of Disabled andNon-Disabled Individuals in 19th-Century Sweden: Erling Ha¨ggstro¨m Lundevaller, Lotta Vikstro¨m, and Helena Haage -- Sequence History Analysis (SHA): Estimating the Effect of Past Trajectories on an Upcoming Event: Florence Rossignon, Matthias Studer, Jacques-Antoine Gauthier and Jean-Marie Le Goff -- Part III The

Sequence Network Approach: Network Analysis of Sequence Structures: Benjamin Cornwell -- Relational Sequence Networks as a Tool for Studying Gendered Mobility Patterns: Klaus Hamberger -- Part IV Unfolding the Process: Multiphase Sequence Analysis: Thomas Collas -- Unpacking Configurational Dynamics: Sequence Analysis and Qualitative Comparative Analysis as a Mixed-Method Design: Camilla Borgna and Emanuela Struffolino -- Combining Sequence Analysis and Hidden Markov Models in the Analysis of Complex Life Sequence Data: Satu Helske, Jouni Helske, and Mervi Eerola -- Part V Advances in Sequence Clustering: Markovian-based Clustering of Internet Addiction Trajectories: Zhivko Taushanov and André´ Berchtold -- Divisive Property-Based and Fuzzy Clustering for Sequence Analysis: Matthias Studer -- From 07.00 to 22.00: A Dual-Earner Couple's Typical Day in Italy: Ivano Bison and Alessandro Scalcon -- Part VI Appraising Sequence Quality: Measuring Sequence Quality: Anna Manzoni and Irma Mooi-Reci -- An Index of Precarity for Measuring Early Employment Insecurity: Gilbert Ritschard, Margherita Bussi, and Jacqueline O'Reilly -- Subject Index.

Sommario/riassunto	This open access book provides innovative methods and original applications of sequence analysis (SA) and related methods for analysing longitudinal data describing life trajectories such as professional careers, family paths, the succession of health statuses, or the time use. The applications as well as the methodological contributions proposed in this book pay special attention to the combined use of SA and other methods for longitudinal data such as event history analysis, Markov modelling, and sequence network. The methodological contributions in this book include among others original propositions for measuring the precarity of work trajectories, Markov-based methods for clustering sequences, fuzzy and monothetic clustering of sequences, network-based SA, joint use of SA and hidden Markov models, and of SA and survival models. The applications cover the comparison of gendered occupational trajectories in Germany, the study of the changes in women market participation in Denmark, the study of typical day of dual-earner couples in Italy, of mobility patterns in Togo, of internet addiction in Switzerland, and of the quality of employment career after a first unemployment spell. As such this book provides a wealth of information for social scientists interested in quantitative life course analysis, and all those working in sociology, demography, economics, health, psychology, social policy, and statistics.