

# Contents

Preface		9
<b>I. The Emergence of Social Scientific History and the Analysis of Process-Produced Data</b>		
Jerome M. Clubb	The „New“ Quantitative History: Social Science or Old Wine in New Bottles?	13
Erwin K. Scheuch	Quantitative Analysis of Historical Material as the Basis for a New Cooperation Between History and Sociology	25
Wolfram Fischer	The Emergence of Social Scientific History and the Analysis of Process-Produced Data: Some Introductory Remarks	47
<b>II. Analysis of Administrative and Census Data</b>		
Maris A. Vinovskis	Problems and Opportunities in the Use of Individual and Aggregate Level Census Data	53
Arthur E. Imhof	Reconstructing Biological Frameworks of Populations in the Past	71
Theodore Hershberg	Interdisciplinary Research at the Philadelphia Social History Project: Analytic Goals, Data and Data Manipulation Strategies for the Study of the Nineteenth-Century Industrial City	84
Erdmann Weyrauch	Conditions and Chances in the Computer-Aided Analysis of Historical Record Series: The Case of Early Modern Urban Administration	112
Horst Matzerath	Aggregated Census Data and the Analysis of Urbanization in Prussia (1816–1939)	120
<b>III. Analysis of Life Histories</b>		
Karl-Heinz Reuband	Life Histories: Problems and Prospects of Longitudinal Designs	135
Walter Müller	The Analysis of Life Histories: Illustrations of the Use of Life History Plots	164

Göran Sandström Jan Sundin	Computer Analysis of Life Histories from Swedish Church Records: A Case Study from the Demographic Data Base at Umea University	192
Wilhelm Heinz Schröder	Quantitative Analyses of Collective Life Histories: The Case of the Social Democratic Candidates for the German Reichstag 1898–1912	203
Walter M. Pinter	The Use of Collective Biography in Research on the Imperial Russian Civil Service	225

#### IV. Content and Document Analysis

Ekkehard Mochmann	Computer Aided Content Analysis of Historical and Process-Produced Data: Methodological and Technical Aspects	235
Heinrich Best	Analysis of Content and Context of Historical Documents – The Case of Petitions to the Frankfurt National Assembly 1848/49	244

#### V. Time Series Analysis

Jerald Hage Edward T. Gargan Robert Hanneman	Procedures for Periodizing History: Determining Eras in the Histories of Britain, France, Germany and Italy	267
Aage B. Sørensen	Analysis of Change in Discrete Variables	284
Thomas Kuczynski	Have There Been Differences Between the Growth Rates in Different Periods of the Development of the Capitalist World Economy Since 1850? An Application of Cluster Analysis in Time Series Analysis	300

#### VI. Network Analysis

Frans N. Stokman Wijbrandt H. van Schuur	Leadership Dimensions Among Developing Nations in the United Nations	319
Frans N. Stokman	Graph Theoretical Elaboration of Cumulative Scaling Techniques	342
Robert J. Mokken	Cliques, Clubs and Clans	353

## VII. Structure of Social Bookkeeping: Problems with the Generation of Complex Data Files

Wolfgang Bick Paul J. Müller	The Nature of Process-Produced Data – Towards a Social-Scientific Source Criticism	369
Ian Winchester	Priorities for Record Linkage: A Theoretical and Practical Checklist	414
John de Vries	Problems in Handling Process-Produced Data	431
Philip J. Stone	A Perspective on Social Science Data Management	444

## VIII. Preservation, Storage, and Access

Charles M. Dollar	Problems and Procedures for Preservation and Dis- semination of Computer-Readable Data	457
Wolf Buchmann	Archives and Machine-Readable Data from Public Ad- ministration in the Federal Republic of Germany	473
Per Nielsen	How To Teach Data Procedures „The Noble Art“ of Data Documentation	477

## IX. New Data Bases

Charles Lewis Taylor	Development of Cross National Comparative Data from Social Bookkeeping Sources	491
Herbert Reinke	The Analysis of Change and Persistence in German Society: The German Census of Occupations as a New Data Base	501
Jarle Brosveet	Standardization of Longitudinal, Aggregate-Level Da- ta in the Norwegian Commune Database	513
Peter Flora	HIWED – A Comparative Historical Research Project on Western Europe	524
Contributors		533