

# Contents

<b>Vorwort</b>	<b>I</b>
<b>Preface</b>	<b>VII</b>
<b>I Statistical Data Analysis in Empirical Social Research</b>	<b>1</b>
1 <b>Erwin K. Scheuch, Köln: The Impact of Computers on Quantitative Social Research</b>	<b>3</b>
2 <b>Bärbel Bellach, Berlin/GDR: A General Concept for Dependence Analysis in Social Sciences Demonstrated by a Criminological Example</b>	<b>21</b>
3 <b>Gottfried Enderlein, Berlin/GDR: Logistic and Cumulative Logistic Regression Analysis of Categorical Survey Data</b>	<b>33</b>
4 <b>Franz-Peter Schimunek, Erfurt: Methodologische und statistische Probleme bei der Messung von Veränderung</b>	<b>41</b>
5 <b>Jörg Blasius, Köln: Correspondence Analysis — Theory and Application</b>	<b>49</b>
6 <b>Jan-Bernd Lohmöller, Berlin (West): Components</b>	<b>65</b>
7 <b>Carmen Hennig, Berlin/GDR, Gerhard Arminger, Wuppertal: The Robustness of the Linear Model against Misspecification</b>	<b>75</b>
8 <b>Johannes Gladitz, Berlin/DDR: Zur Anwendung Bayes'scher Methoden in den Sozialwissenschaften</b>	<b>89</b>

<b>II</b>	<b>Statistical Packages</b>	<b>105</b>
9	Thomas C. Cierzynski, Berlin/DDR: Expertensysteme in der mathematischen Statistik	107
10	Carmen Hennig, Berlin/GDR: CSS — Complete Statistical System with Data Base Management and Graphics	123
11	Matthias Nagel, Bad Elster, Thomas Huber, Klosters: Hochinteraktive Datenanalyse mit ISP/DGS	133
12	Harald Frost, Wolfgang Hennevogl, Thomas Kranert, Regensburg: Analysis of Generalized Linear Models with GLAMOUR — An Application to Ordinal Response Models	143
13	Eszter Bornemisza and Tamás Rudas, Budapest: The DISTAN-Package for Discrete Statistical Analysis	155
14	Hans-Joachim Mucha, Berlin/DDR: Untersuchungen zur Stabilität in der Cluster- und faktoriellen Analyse mit der Software ClusCorr	163
15	Jan Řehák, Jiří Pavlík, Praha: GADIS — Geostructural Analysis of Distributions	177
<b>III</b>	<b>Qualitative Methods in the Analysis of Sociological Data</b>	<b>183</b>
16	Joop J. Hox, Godfried L.H. van den Wittenboer, Amsterdam: Qualitative Analysis and the Microcomputer	185
17	Udo Kuckartz, Berlin (West): MAX — ein Paket zur soziologischen Analyse verbaler Daten	203
18	Arndt Ullmann, Dresden: Konstruktion und Nutzung soziologischer Konsultationssysteme	213
<b>IV</b>	<b>Computer Aided Sociological Research</b>	<b>221</b>
19	Karl M. van Meter, Philippe Cibois, Lise Mounier, Jacques Jenny, Paris: East Meets West: Official Biographies of the	

- members of the Central Committee of the Communist Party of the Soviet Union between 1981 and 1987 Analyzed with Western Social Network Analysis Methods 223
- 20 Joachim Rudolph, Berlin/DDR: Reanalyse eines Datensatzes von Karl M. van Meter 233
- 21 Didier Demazière, Lise Mounier, Karl M. van Meter, Paris: French Sociologists Analyzed by French Sociological Methods 239
- 22 Michael Häder, Rainer Schwarz, Berlin/DDR: DDR-Soziologie gegen AIDS 263
- 23 Erwin Lautsch, Berlin/DDR: Explorative Typenidentifikation mittels Vierfeldertest nach Pearson und Partialassoziationsstest nach Kimball 287
- 24 Eckhard Priller, Berlin/DDR: Computereinsatz zur soziologischen Informationsgewinnung 295
- 25 Joop J. Hox, Steven E. De Bie, Edith D. de Leeuw, Amsterdam: Computer-assisted Telephone Interviewing — A Review 305
- V Mathematical Modelling and Computer Simulation in the Social Sciences 319**
- 26 Wolfgang Weidlich, Stuttgart: Quantitative Social Science — the Dynamics of Social Processes 321
- 27 Andreas Flache, Vera Schmidt, Koblenz: IPMOS — A Software Tool for Modeling and Analysis of Interacting Populations 339
- 28 Klaus G. Troitzsch, Koblenz: Self-organization in Social Systems 353
- 29 Lothar Herlitzius, Koblenz: Schätzung nicht-normaler Wahrscheinlichkeitsdichtefunktionen 379
- 30 Michael Möhring, Koblenz: MIMOSE — A Functional Language for Modelling and Simulation of Individual Behaviour in Interacting Populations 397

<b>31</b>	<b>Stephan Karczewski, Koblenz: PES — A Modular Gaming Simulation Development System</b>	<b>417</b>
<b>32</b>	<b>Andreas Diekmann, Mannheim: Diffusion and Survival Models for the Process of Entry into Marriage</b>	<b>431</b>
<b>33</b>	<b>Vladimir I. Paniotto, Kiev: Functions of Computer Simulation in Sociological Research — Kiev's Social Structure Reproduction Process</b>	<b>445</b>
<b>34</b>	<b>Norbert Müller, Osnabrück: Real Time Modeling — a Challenge to Computer Aided Modeling in the Social Sciences</b>	<b>453</b>
	<b>References</b>	<b>467</b>
	<b>About the authors</b>	<b>505</b>
	<b>List of Participants</b>	<b>513</b>
	<b>Subject index</b>	<b>518</b>
	<b>Index of authors</b>	<b>522</b>