

Contents

Notes on Contributors	ix
Acknowledgements	xvii
1 Introduction <i>Peter J. Carrington and John Scott</i>	1
SECTION I GENERAL ISSUES	9
2 Social Network Analysis: An Introduction <i>Alexandra Marin and Barry Wellman</i>	11
3 The Development of Social Network Analysis – with an Emphasis on Recent Events <i>Linton C. Freeman</i>	26
4 Network Theory <i>Stephen P. Borgatti and Virginie Lopez-Kidwell</i>	40
5 Social Physics and Social Networks <i>John Scott</i>	55
6 Social Networks in Economics <i>Sanjeev Goyal</i>	67
7 Relational Sociology, Culture, and Agency <i>Ann Mische</i>	80
SECTION II SUBSTANTIVE TOPICS	99
8 Personal Communities: The World According to Me <i>Vincent Chua, Julia Madej, and Barry Wellman</i>	101
9 Social Support <i>Lijun Song, Joonmo Son, and Nan Lin</i>	116
10 Kinship, Class, and Community <i>Douglas R. White</i>	129

11	Animal Social Networks <i>Katherine Faust</i>	148
12	Networking Online: Cybercommunities <i>Anatoliy Gruzd and Caroline Haythornthwaite</i>	167
13	Corporate Elites and Intercorporate Networks <i>William K. Carroll and J.P. Sapinski</i>	180
14	Political Dimensions of Corporate Connections <i>Matthew Bond and Nicholas Harrigan</i>	196
15	Policy Networks <i>David Knoke</i>	210
16	Social Movements and Collective Action <i>Mario Diani</i>	223
17	Crime and Social Network Analysis <i>Peter J. Carrington</i>	236
18	Terrorist Networks: The Threat of Connectivity <i>Renée C. van der Hulst</i>	256
19	Scientific and Scholarly Networks <i>Howard D. White</i>	271
20	Cultural Networks <i>Paul DiMaggio</i>	286
21	Social Networks, Geography and Neighbourhood Effects <i>Ron Johnston and Charles Pattie</i>	301
22	A Multiple-Network Analysis of the World System of Nations, 1995–1999 <i>Edward L. Kick, Laura A. McKinney, Steve McDonald, and Andrew Jorgenson</i>	311
SECTION III CONCEPTS AND METHODS		329
23	A Brief Introduction to Analyzing Social Network Data <i>Robert A. Hanneman and Mark Riddle</i>	331
24	Concepts and Measures for Basic Network Analysis <i>Robert A. Hanneman and Mark Riddle</i>	340
25	Survey Methods for Network Data <i>Peter V. Marsden</i>	370

26	Survey Sampling in Networks <i>Ove Frank</i>	389
27	Qualitative Approaches <i>Betina Hollstein</i>	404
28	Analyzing Affiliation Networks <i>Stephen P. Borgatti and Daniel S. Halgin</i>	417
29	Positions and Roles <i>Anuška Ferligoj, Patrick Doreian, and Vladimir Batagelj</i>	434
30	Relation Algebras and Social Networks <i>Philippa Pattison</i>	447
31	Statistical Models for Ties and Actors <i>Marijtje A.J. van Duijn and Mark Huisman</i>	459
32	Exponential Random Graph Models for Social Networks <i>Garry Robins</i>	484
33	Network Dynamics <i>Tom A.B. Snijders</i>	501
34	Models and Methods to Identify Peer Effects <i>Weihua (Edward) An</i>	514
35	Kinship Network Analysis <i>Klaus Hamberger, Michael Houseman, and Douglas R. White</i>	533
36	Large-Scale Network Analysis <i>Vladimir Batagelj</i>	550
37	Network Visualization <i>Lothar Krempel</i>	558
38	A Reader's Guide to SNA Software <i>Mark Huisman and Marijtje A.J. van Duijn</i>	578
	Index	601