Sage Handbook of Social Network Analysis

Edited by John Scott & Peter Carrington
Contents

Contributors and contact details

1 Introduction
John Scott and Peter J. Carrington

Part I. General issues

2 Social Network Analysis: An Introduction
Alexandra Marin and Barry Wellman

3 The Development of Social Network Analysis—with an Emphasis on Recent Events
Linton C. Freeman

4 Network Theory
Stephen P. Borgatti and Virginie Lopez-Kidwell

5 Social Physics and Social Networks
John Scott

6 Social Networks in Economics
Sanjeev Goyal

7 Relational Sociology, Culture, and Agency
Ann Mische

Part II. Substantive topics

8 Personal Communities: The World According To Me
Vincent Chua, Julia Madej and Barry Wellman

9 Social Support
Lijun Song, Joonmo Son and Nan Lin

10 Kinship, Class, and Community
Douglas R. White

11 Animal Social Networks
Katherine Faust
<table>
<thead>
<tr>
<th>Page</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>Networking Online: Cybercommunities</td>
<td>Anatoliy Gruzd and Caroline Haythornthwaite</td>
</tr>
<tr>
<td>13</td>
<td>Corporate Elites and Intercorporate Networks</td>
<td>William K. Carroll and J. P. Sapinski</td>
</tr>
<tr>
<td>14</td>
<td>Political Dimensions of Corporate Connections</td>
<td>Matthew Bond and Nicholas Harrigan</td>
</tr>
<tr>
<td>15</td>
<td>Policy Networks</td>
<td>David Knoke</td>
</tr>
<tr>
<td>16</td>
<td>Social Movements and Collective Action</td>
<td>Mario Diani</td>
</tr>
<tr>
<td>17</td>
<td>Crime and Social Network Analysis</td>
<td>Peter J. Carrington</td>
</tr>
<tr>
<td>18</td>
<td>Terrorist Networks: The Threat of Connectivity</td>
<td>Renée C. van der Hulst</td>
</tr>
<tr>
<td>19</td>
<td>Scientific and Scholarly Networks</td>
<td>Howard D. White</td>
</tr>
<tr>
<td>20</td>
<td>Cultural Networks</td>
<td>Paul DiMaggio</td>
</tr>
<tr>
<td>21</td>
<td>Social Networks, Geography, and Neighbourhood Effects</td>
<td>Ron Johnston and Charles Pattie</td>
</tr>
</tbody>
</table>

**Part III. Concepts and Methods**

<table>
<thead>
<tr>
<th>Page</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>23</td>
<td>A Brief Introduction to Analyzing Social Network Data</td>
<td>Robert A. Hanneman and Mark Riddle</td>
</tr>
<tr>
<td>24</td>
<td>Concepts and Measures for Basic Network Analysis</td>
<td>Robert A. Hanneman and Mark Riddle</td>
</tr>
<tr>
<td>25</td>
<td>Survey Methods for Network Data</td>
<td>Peter V. Marsden</td>
</tr>
<tr>
<td>Page</td>
<td>Title</td>
<td>Authors</td>
</tr>
<tr>
<td>------</td>
<td>----------------------------------------------------------------------</td>
<td>----------------------------------------------</td>
</tr>
<tr>
<td>26</td>
<td><strong>Survey Sampling in Networks</strong></td>
<td>Ove Frank</td>
</tr>
<tr>
<td>27</td>
<td><strong>Qualitative Approaches</strong></td>
<td>Betina Hollstein</td>
</tr>
<tr>
<td>28</td>
<td><strong>Analyzing Affiliation Networks</strong></td>
<td>Stephen P. Borgatti and Daniel S. Halgin</td>
</tr>
<tr>
<td>29</td>
<td><strong>Positions and Roles</strong></td>
<td>Anuška Ferligoj, Patrick Doreian and Vladimir Batagelj</td>
</tr>
<tr>
<td>30</td>
<td><strong>Relation Algebras and Social Networks</strong></td>
<td>Philippa Pattison</td>
</tr>
<tr>
<td>31</td>
<td><strong>Statistical Models For Ties and Actors</strong></td>
<td>Marijtje A.J. van Duijn and Mark Huisman</td>
</tr>
<tr>
<td>32</td>
<td><strong>Exponential Random Graph Models for Social Networks</strong></td>
<td>Garry Robins</td>
</tr>
<tr>
<td>33</td>
<td><strong>Network Dynamics</strong></td>
<td>Tom A.B. Snijders</td>
</tr>
<tr>
<td>34</td>
<td><strong>Models and Methods to Identify Peer Effects</strong></td>
<td>Weihua (Edward) An</td>
</tr>
<tr>
<td>35</td>
<td><strong>Kinship Network Analysis</strong></td>
<td>Klaus Hamberger, Michael Houseman and Douglas R. White</td>
</tr>
<tr>
<td>36</td>
<td><strong>Large-Scale Network Analysis</strong></td>
<td>Vladimir Batagelj</td>
</tr>
<tr>
<td>37</td>
<td><strong>Network Visualization</strong></td>
<td>Lothar Krempel</td>
</tr>
<tr>
<td>38</td>
<td><strong>A Reader's Guide to SNA Software</strong></td>
<td>Mark Huisman and Marijtje A.J. van Duijn</td>
</tr>
</tbody>
</table>
Contributors and contact details

Matthew Bond
SSPSSR, Faculty of Social Sciences, Cornwallis North East, University of Kent, Canterbury, Kent CT2 7NF UK
M.Bond@kent.ac.uk

Vladimir Batagelj
University of Ljubljana, FMF, Department of Mathematics, Jadranska 21 1000 Ljubljana, Slovenia
vladimir.batagelj@fmf.uni-lj.si

Stephen P. Borgatti
Department of Management, Gatton College of Business and Economics, University of Kentucky, Lexington, KY 40506 USA
sborgatti@uky.edu or steve.borgatti@gmail.com

Peter J. Carrington
Department of Sociology, University of Waterloo, Waterloo, Ontario N2L 3G1 Canada
pjc@uwaterloo.ca

William K. Carroll, Department of Sociology, University of Victoria, Box 3050, Victoria BC V8W 3P5 Canada
wcarroll@uvic.ca

Vincent Chua
Department of Sociology, University of Toronto, 725 Spadina Ave., Toronto ON M5S 2J4 Canada
vincent.chua@utoronto.ca

Mario Diani,
Dipartimento di Sociologia e Ricerca Sociale, Piazza Venezia 41, 38100 Trento, Italy
mario.diani@soc.unitn.it

Paul DiMaggio
130 Mercer Street, Princeton NJ 08540 USA
dimaggio@princeton.edu

Patrick Doreian
Department of Sociology, University of Pittsburgh, Wesley W. Posvar Hall, Pittsburgh PA 15260 USA
pitpat@pitt.edu
Caroline Haythornthwaite  
Graduate School of Library and Information Science, University of Illinois at Urbana-Champaign, 501 East Daniel St., Champaign, Illinois 61820  USA  
haythorn@uiuc.edu

Betina Hollstein  
Fakultät für Wirtschafts- und Sozialwissenschaften, Universität Hamburg, Fachbereich Sozialökonomie, Raum B 234, Von-Melle-Park 9, D - 20146 Hamburg, Germany  
betina.hollstein@wiso.uni-hamburg.de

Michael Houseman  
1 passage Turquetil, 75011 Paris, France  
houseman@attglobal.net

Mark Huisman  
Department of Psychology, University of Groningen, Grote Kruisstraat 2/1, 9712 TS Groningen, The Netherlands  
j.m.e.huisman@rug.nl

Ron Johnston  
School of Geographical Sciences, University of Bristol, University Road, Bristol BS8 1SS  UK  
r.johnston@bristol.ac.uk

Andrew Jorgenson  
Department of Sociology and Anthropology, North Carolina State University, Campus Box 8107, Raleigh, NC 27695-8107  USA  
ajorgen@sa.ncsu.edu

Edward L. Kick  
Department of Sociology and Anthropology, North Carolina State University, Raleigh NC 27695  USA  
elkick@sa.ncsu.edu

David Knoke,  
Department of Sociology, 909 Social Sciences Bldg., University of Minnesota, 267 19th Avenue South, Minneapolis, MN 55455  USA  
knoke@atlas.socsci.umn.edu

Nan Lin  
Trinity College, Duke University, Box 90088, Durham, NC 27708-0088 USA  
nanlin@duke.edu
Virginie Lopez-Kidwell  
Department of Management, Gatton College of Business and Economics, University of Kentucky, Lexington, KY 40506 USA  
v.kidwell@uky.edu

Laura McKinney  
Department of Sociology and Anthropology, North Carolina State University, Campus Box 8107, Raleigh, NC 27695-8107 USA  
Laura_McKinney@ncsu.edu

Steve McDonald  
Department of Sociology and Anthropology, North Carolina State University, Campus Box 8107, Raleigh, NC 27707 USA  
steve_mcdonald@ncsu.edu

Julia Madej  
1687-1 Greystone Walk Drive, Toronto, ON M1K 5J3 Canada  
juliamadej777@gmail.com

Alexandra Marin  
Department of Sociology, University of Toronto, 725 Spadina Ave., Toronto ON M5S 2J4 Canada  
alexandra.marin@gmail.com

Peter V. Marsden  
Department of Sociology, Harvard University, 630 William James Hall, 33 Kirkland Street, Cambridge MA 02138  
pvm@wjh.harvard.edu

Ann Mische,  
Department of Sociology, The State University of New Jersey, Rutgers, 54 Joyce Kilmer Avenue, Piscataway, New Jersey 08854 USA  
amische@sociology.rutgers.edu

Charles Pattie  
Department of Geography, The University of Sheffield, Sheffield S10 2TN UK  
C.Pattie@Sheffield.ac.uk

Philippa Pattison,  
School of Behavioural Science, University of Melbourne, Victoria 3010 Australia  
pepatt@unimelb.edu.au

Mark Riddle  
Sociology Department, University of Northern Colorado, Campus Box 142, Greeley, CO 80639 USA  
mark.riddle@unco.edu
Garry Robins
School of Behavioural Science, University of Melbourne, Victoria 3010, Australia
garrylr@unimelb.edu.au

Jean Philippe Sapinski
Cornett A370, Department of Sociology, University of Victoria, Box 3050,
Victoria BC V8W 3P5 Canada
jpsapin@gmail.com

John Scott
School of Social Science and Social Work, University of Plymouth, 10 Portland Villas,
Drake Circus, Plymouth PL4 8AA, UK
john.scott@plymouth.ac.uk

Tom A. B. Snijders
Nuffield College, New Road, Oxford OX1 1NF UK
tom.snijders@nuffield.ox.ac.uk

Joonmo Son
Department of Sociology, National University of Singapore, AS1 #04-24, 11 Arts Link
Singapore 117570
socioson@nus.edu.sg

Lijun Song
Department of Sociology, Center for Medicine, Health, and Society, Vanderbilt
University, VU Station B#351811, Nashville, TN 37235-1811 USA
lijun.song@vanderbilt.edu

Renée C. van der Hulst
Bureau Netwerkanalyse, P.O. Box 938, 1200 AX Hilversum, The Netherlands
vanderhulst@online.nl

Marijtje A.J. van Duijn
Department of Sociology/ICS, University of Groningen, Grote Rozenstraat 31,
9712 TG Groningen, The Netherlands
m.a.j.van.duijn@rug.nl

Weihua (Edward) An
Department of Sociology, Harvard University, 568 William James Hall, 33 Kirkland
Street, Cambridge, 02138 USA
weihuaan@fas.harvard.edu
Barry Wellman
Centre for Urban & Community Studies, University of Toronto, 455 Spadina Avenue,
Room 418, Toronto, M5S 2G8 Canada
wellman@chass.utoronto.ca

Douglas R. White
School of Social Science, University of California, Irvine, Irvine, CA 92697  USA
Douglas.White@uci.edu

Howard White,
College of Information Science and Technology, Drexel University, 3141 Chestnut
Street, Philadelphia, PA 19104-2875  USA
whitehd@drexel.edu