

Contents

<i>List of Figures</i>	vii
<i>About the Author</i>	ix
<i>Preface to the Third Edition</i>	x
1 Networks and Relations	1
Relations and attributes	2
Analysis of network data	5
Interpretation of network data	7
An overview	9
2 The Development of Social Network Analysis	11
Sociometric analysis and graph theory	13
Interpersonal configurations and cliques	19
Towards formal models of structure	29
The Harvard breakthrough	34
Entry of the social physicists	38
3 Analysing Relational Data	41
Collecting relational data	41
Selection and sampling of relational data	43
Preparation of relational data	51
Organizing relational data	52
4 Lines, Neighbourhoods and Densities	63
Sociograms and graph theory	64
Density: ego-centric and socio-centric	69
A digression on absolute density	76
Community structure and density	78
5 Centrality, Peripherality and Centralization	83
Centrality: local and global	84
Centralization and graph centres	89
Bank centrality in corporate networks	94

6	Components, Cores and Cliques	99
	Components, cycles and knots	100
	The contours of components	107
	Cliques and their intersections	112
	Components and citation circles	118
7	Positions, Sets and Clusters	121
	The structural equivalence of points	122
	Clusters: combining and dividing points	124
	Block modelling with CONCOR	126
	Towards regular structural equivalence	134
	Corporate interlocks and participations	136
8	Network Dynamics and Change Over Time	139
	Modelling change in network structure	140
	Testing explanations	143
9	Dimensions and Displays	147
	Distance, space and metrics	148
	Principal components and factors	153
	Non-metric methods	156
	Advances in network visualization	162
	Elites, communities and influence	164
	<i>Notes</i>	173
	<i>Bibliography</i>	185
	<i>Index</i>	199