

CONTENTS

Introduction

Part I. Philosophy and Methods

1. Behavioral Geography, Multidimensional Scaling,
and the Mind 3
ELIZABETH J. HARMAN, JOHN F. BETAK
2. Behavioral Geography and the Philosophy of
Mind 23
PAT BURNETT
3. Multidimensional Measurement of Environmental
Personality 51
JOSEPH SONNENFELD
4. The Geometry of Mental Maps 69
WALDO R. TOBLER
5. Cultivating the Garden: A Commentary and Critique
on Some Multidimensional Speculations 83
PETER GOULD

PART II. Perspectives on Analyzing Preferences and Choices

6. Learning about a City: Analysis by Multidimensional
Scaling 95
REGINALD G. GOLLEDGE, VICTORIA L. RIVIZZIGNO,
ARON SPECTOR
7. Decomposition of Space Preference Functions 119
GERARD RUSHTON
8. Conjoint Preference Estimation for Residential Land
Use Policy Evaluation 135
ROBERT L. KNIGHT, MARK D. MENCHIK

9. Spatial Variation in the Cognitive Levels of Urban Residents	157
SUSAN HANSON	
10. Perception, Preference, and Geometry: A Commentary	179
MICHAEL F. GOODCHILD	
PART III. Specific Problems and Applications	
11. A Comparison of Metric and Nonmetric Scaling Models in Preference Research	191
STANLEY R. LIEBER	
12. Information-processing Theory and Functional Form in Spatial Behavior	211
JORDAN J. LOUVIERE	
13. Environmental and Spatial Preferences of Interstate Migrants in the United States	249
GORDON O. EWING	
14. Cognitive and Affective Components of Residential Preferences for Cities: A Pilot Study	273
VAUGHN M. LUECK	
15. Technical and Substantive Approaches to Spatial Behavior: A Commentary	303
WILLIAM A. V. CLARK	
Notes on the Contributors	313
Index	315