

<p>CONTENTS</p> <hr/> <h2>INTRODUCTION</h2> <p>1 ATTRIBUTE DESCRIPTORS</p> <ul style="list-style-type: none"> 1.1 Central Tendency / 5 1.2 Dispersion and Distribution / 11 1.3 Relationship / 21 1.4 Trend / 25 <p>2 POINT DESCRIPTORS</p> <ul style="list-style-type: none"> 2.1 The Nature of Point Features / 33 2.2 Central Tendency of Point Distributions / 35 2.3 Dispersion of Point Distributions / 44 2.4 Application Examples / 49 <p>3 PATTERN DETECTORS</p> <ul style="list-style-type: none"> 3.1 Scale, Extent, and Projection / 59 3.2 Quadrat Analysis / 62 3.3 Nearest Neighbor Analysis / 72 3.4 Spatial Autocorrelation / 78 3.5 Application Examples / 84 <p>References / 90</p>	<p>LINE DESCRIPTORS</p> <ul style="list-style-type: none"> 4.1 The Nature of Linear Features / 91 4.2 Characteristics and Attributes of Linear Features / 94 4.3 Description Statistics / 104 4.4 Measures Analysis / 114 4.5 Application Examples / 121 <p>References / 131</p> <p>PATTERN DESCRIPTORS</p> <ul style="list-style-type: none"> 5.1 Spatial Relationships / 133 5.2 Spatial Autocorrelation / 135 5.3 Spatial Weights Matrices / 137 5.4 Types of Spatial Association Measures / 142 5.5 Some Variations / 142 5.6 Point Count Statistics / 144 5.7 Moran's Geary Index / 150 5.8 Geary Q-statistic / 154 5.9 Guttman-Raschke Statistics / 158 <p>References / 161</p>
---	---

4 LINE DESCRIPTORS	91
4.1 The Nature of Linear Features / 91	
4.2 Characteristics and Attributes of Linear Features / 94	
4.3 Directional Statistics / 104	
4.4 Network Analysis / 114	
4.5 Application Examples / 121	
References / 131	
5 PATTERN DESCRIPTORS	132
5.1 Spatial Relationships / 133	
5.2 Spatial Autocorrelation / 135	
5.3 Spatial Weights Matrices / 137	
5.4 Types of Spatial Autocorrelation Measures and Some Notations / 145	
5.5 Joint Count Statistics / 147	
5.6 Moran and Geary Indices / 156	
5.7 General G-Statistic / 164	
5.8 Local Spatial Autocorrelation Statistics / 167	
5.9 Moran Scatterplot / 174	
5.10 Application Examples / 177	
5.11 Summary / 189	
References / 189	
INDEX	191