**Roadmaps Through the Book**

The topics in this text may be used in many different ways to address a wide range of questions. Included below are just a few examples of how the materials in *Spatial Statistical Methods for Geography* may be combined and applied.

**Epidemiology**

Readers interested in spatial patterns of disease may wish to familiarize themselves with the conceptual foundations of spatial statistical analysis (**Chapters 1 & 4**) before using the local statistics (**Chapter 6**) and scan statistics (**Chapter 7**) to search for clusters of disease.

**Business/Retail**

Readers who wish to use the materials in this text in business or retail applications may find methods for determining geographic centers or forms of inequality (**Chapter 3**) useful for location planning. Similarly, the reader could use the modeling and regression techniques (**Chapter 8**) to examine hypothesized economic relationships among locations or regions, and in selected instances, could use spatial scan statistics (**Chapter 7**) to search for clusters of potential customers or competitors.

**Ecology**

Readers can use the spatial statistics (**Chapter 3**) presented in the text to describe spatial patterns in species distributions. Extending that work, local statistics (**Chapter 6**) and scan statistics (**Chapter 7**) can be used to make inferences about those distributions and identify areas of raise or lowered incidence. Ecologists can use global statistics (**Chapter 5**) to diagnose spatial autocorrelation in biological data, and then use the techniques and principles presented in **Chapters 4 & 8** to make corrections to commonly used statistics such as means tests.