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Soggetti	Landscape ecology Statistics Ecology Conservation biology Environmental geography Bioinformatics Computational biology R (Computer program language) Landscape Ecology Statistics for Life Sciences, Medicine, Health Sciences Theoretical Ecology/Statistics Conservation Biology/Ecology Environmental Geography Computer Appl. in Life Sciences
Lingua di pubblicazione	Inglese
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Nota di contenuto	1. Introduction to spatial ecology and its relevance for conservation -- 2. Scale -- 3. Land-cover pattern and change -- 4. Spatial dispersion and point data -- 5. Spatial dependence and autocorrelation -- 6. Accounting for spatial dependence in ecological data -- 7. Species distributions -- 8. Space use and resource selection -- 9. Connectivity -- 10. Population dynamics in space -- 11. Spatially structured communities -- 12. What have we learned? Looking back and pressing forward -- Appendix: An introduction to R.

Sommario/riassunto

This book provides a foundation for modern applied ecology. Much of current ecology research and conservation addresses problems across landscapes and regions, focusing on spatial patterns and processes. This book is aimed at teaching fundamental concepts and focuses on learning-by-doing through the use of examples with the software R. It is intended to provide an entry-level, easily accessible foundation for students and practitioners interested in spatial ecology and conservation. .
