

1. Record Nr.	UNINA9910145821603321
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Titolo	Quantitative Conservation of Vertebrates [[electronic resource]]
Pubbl/distr/stampa	Hoboken, : John Wiley & Sons, Ltd., 2009
ISBN	1-282-00782-3 1-4443-0315-5 1-4443-0316-3
Edizione	[1st ed.]
Descrizione fisica	1 online resource (352 p.)
Altri autori (Persone)	CarrollJohn P
Disciplina	639.901/5118
Soggetti	Vertebrate populations Vertebrate populations - Mathematical models Conservation biology - Mathematical models Vertebrates Zoology Health & Biological Sciences Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di contenuto	Quantitative Conservation of Vertebrates; Preface; Acknowledgements; Companion website and CD-ROM; 1 Introduction: the role of science in conservation; Part I Basic concepts in scientific investigations for conservation; 2 Single models in conservation biology; 3 Models of population dynamics; 4 Applying population models to conservation; 5 Basics of study design and analysis; Part II Conservation studies and monitoring programs; 6 General principles of estimation; 7 Occupancy (presence-absence) analysis; 8 Sample counts for abundance estimation; 9 Distance sampling for estimating density and abundance 10 Capture-mark-recapture studies for estimating abundance and density 11 Estimation of survival from radiotelemetry, nesting success studies, and age distributions; 12 Mark-recapture for estimating survival, recruitment, abundance, and movement rates; 13 Analysis of habitat; 14 Estimation of species richness and other community parameters; Part III Integrating modeling and monitoring for

conservation; 16 Accounting for uncertainty in conservation decisions; 17 Learning and adaptive management; 18 Case study: decision modeling and adaptive management for declining grassland birds in the southeastern USA

19 Summary and recommendations Literature cited; Glossary; Appendix A: Statistical and modeling programs available on the worldwide web; Appendix B: Other internet sources; Appendix C: Modeling and statistical notation; Appendix D: Key to abundance and parameter estimation; Index

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Sommario/riassunto

This book provides a hands-on introduction to the construction and application of models to studies of vertebrate distribution, abundance, and habitat. The book is aimed at field biologists, conservation planners, and advanced undergraduate and postgraduate students who are involved with planning and analyzing conservation studies, and applying the results to conservation decisions. The book also acts as a bridge to more advanced and mathematically challenging coverage in the wider literature. Part I provides a basic background in population and community modeling. It introduces statisti

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