

1. Record Nr.	UNINA9910461945103321
Titolo	Design and analysis of long-term ecological monitoring studies // edited by Robert A. Gitzen [and others] [[electronic resource]]
Pubbl/distr/stampa	Cambridge : , : Cambridge University Press, , 2012
ISBN	1-139-50773-7 1-107-22304-0 1-280-77382-0 9786613684592 1-139-51727-9 1-139-02242-3 1-139-51470-9 1-139-51377-X 1-139-51635-3 1-139-51820-8
Descrizione fisica	1 online resource (xxiv, 560 pages) : digital, PDF file(s)
Disciplina	363.17/63
Soggetti	Environmental monitoring Ecology - Statistical methods
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from publisher's bibliographic system (viewed on 05 Oct 2015).
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Section I. Overview -- Ecological monitoring : The heart of the matter / Robert A. Gitzen and Joshua J. Millspaugh -- An overview of statistical considerations in long-term monitoring / Joel H. Reynolds -- Monitoring (that) matters / Douglas H. Johnson -- Maximizing the utility of monitoring to the adaptive management of natural resources / William L. Kendall and Clinton T. Moore -- section II. Survey design -- Spatial sampling designs for long-term ecological monitoring / Trent McDonald -- Spatially balanced survey designs for natural resources / Anthony R. Olsen, Thomas M. Kincaid and Quinn Payton -- The role of monitoring design in detecting trend in long-term ecological monitoring studies / N. Scott Urquhart -- Estimating variance components and related parameters when planning long-term

monitoring programs / John R. Skalski -- Variance components estimation for continuous and discrete data, with emphasis on cross-classified sampling designs / Brian R. Gray -- Simulating future uncertainty to guide the selection of survey designs for long-term monitoring / Steven L. Garman, E. William Schweiger, and Daniel J. Manier.

Section III. Data analysis -- Analysis options for estimating status and trends in long-term monitoring / Jonathan Bart and Hawthorne L. Beyer -- Analytical options for estimating ecological thresholds : statistical considerations / Song S. Qian -- The treatment of missing data in long-term monitoring programs / Douglas H. Johnson and Michael B. Soma -- Survey analysis in natural resource monitoring programs with a focus on cumulative distribution functions / Thomas M. Kincaid and Anthony R. Olsen -- Structural equation modeling and the analysis of long-term monitoring data / James B. Grace, Jon E. Keeley Darren J. Johnson, and Kenneth A. Bollen -- section IV. Advanced issues and applications -- GRTS and graphs : monitoring natural resources in urban landscapes / Todd R. Lookingbill, John Paul Schmit, and Shawn L. Carter -- Incorporating predicted species distribution in adaptive and conventional sampling designs / David R. Smith, Lei Yuancai, Christopher A. Walter, and John A. Young -- Study design and analysis options for demographic and species occurrence dynamics / Darryl I. MacKenzie -- Dealing with incomplete and variable detectability in multi-year, multi-site monitoring of ecological populations / Sarah J. Converse and J. Andrew Royle -- Optimal spatio-temporal monitoring designs for characterizing population trends / Mevin B. Hooten, Beth E. Ross, and Christopher K. Wikle -- Use of citizen-science monitoring for pattern discovery and biological inference / Wesley M. Hochachka, Daniel Fink, and Benjamin Zuckerberg -- section V. Conclusion -- Institutionalizing an effective long-term monitoring program in the US National Park Service / Steven G. Fancy and Robert E. Bennetts -- Choosing among long-term ecological monitoring programs and knowing when to stop / Hugh P. Possingham, Richard A. Fuller, and Liana N. Joseph.

Sommario/riassunto

To provide useful and meaningful information, long-term ecological programs need to implement solid and efficient statistical approaches for collecting and analyzing data. This volume provides rigorous guidance on quantitative issues in monitoring, with contributions from world experts in the field. These experts have extensive experience in teaching fundamental and advanced ideas and methods to natural resource managers, scientists and students. The chapters present a range of tools and approaches, including detailed coverage of variance component estimation and quantitative selection among alternative designs; spatially balanced sampling; sampling strategies integrating design- and model-based approaches; and advanced analytical approaches such as hierarchical and structural equation modelling. Making these tools more accessible to ecologists and other monitoring practitioners across numerous disciplines, this is a valuable resource for any professional whose work deals with ecological monitoring. Supplementary example software code is available online at www.cambridge.org/9780521191548.

2. Record Nr.	UNINA9910637732103321
Autore	Langdon John H (John Howard)
Titolo	Human Evolution : Bones, Cultures, and Genes // by John H. Langdon
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2022
ISBN	9783031141577 9783031141560
Edizione	[1st ed. 2022.]
Descrizione fisica	1 online resource (742 pages)
Collana	Springer Texts in Social Sciences, , 2730-6143
Disciplina	569.9 599.938
Soggetti	Human evolution Anthropology Physical anthropology Paleontology Social evolution Evolutionary developmental biology Archaeology Evolutionary Anthropology Physical-Biological Anthropology Cultural Evolution Evolutionary Developmental Biology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Part I Introduction -- 1. The Reflection in the Mirror -- 2. Background: Evolutionary Classification and Fossil Dating -- 3. A Primate Heritage -- Part II The First Hominins -- 4. Miocene Hominoids -- 5. The Early Hominins: Australopiths -- 6. The Ecological Context of Early Hominin Evolution -- 7. Understanding Australopiths -- 8. The Evolution of Bipedality -- Part III The First Humans -- 9. The Earliest Humans in Africa -- 10. The First Technology -- 11. Diet of Early Homo -- 12. Evolution of the Brain -- 13. Leaving Africa -- Part IV The Middle Pleistocene -- 14. The Erectines of Asia -- 15. Erectines of the West -- 16. Behavior in the Middle Pleistocene -- Part V The Emergence of

Modern People -- 17. Late Pleistocene Homo and the Emergence of Modern Humans -- 18. From the Middle Paleolithic to the Modern Mind -- 19. Modern Humans Disperse From Africa -- 20. Distributing Modern Peoples -- 21. Life History and Reproduction -- 22. Evolution Today and Tomorrow.

Sommario/riassunto

This is an introductory textbook for the study of human evolution, and covers all major topics of human origins taught under paleoanthropology, anthropology, archaeology, and evolutionary biology courses. This book differs from the existing selection of textbooks in the following ways: • It incorporates the most recent fossil discoveries and interpretations. • It balances the discussion between descriptions of fossils and interpretations of behavior of hominins in different time periods. • It includes current findings of genomics into understanding the more recent stages of human evolution. This important subdiscipline is badly underserved by current texts. • It consistently addresses the relationship of evidence to our current hypotheses and interpretations. The book has an engaging and lucid style suitable for those entering the field. Students will find ample case studies, illustrations and examples helpful in understanding difficult concepts. Tables, timelines, and maps in every chapter include data summaries and key points. The book highlights peripheral points and background concepts in side boxes for easy reference and lists key ideas at the end of each chapter. This up-to-date and easy to read text is suitable for both classroom study and self-learning. .
