Ecological Statistics

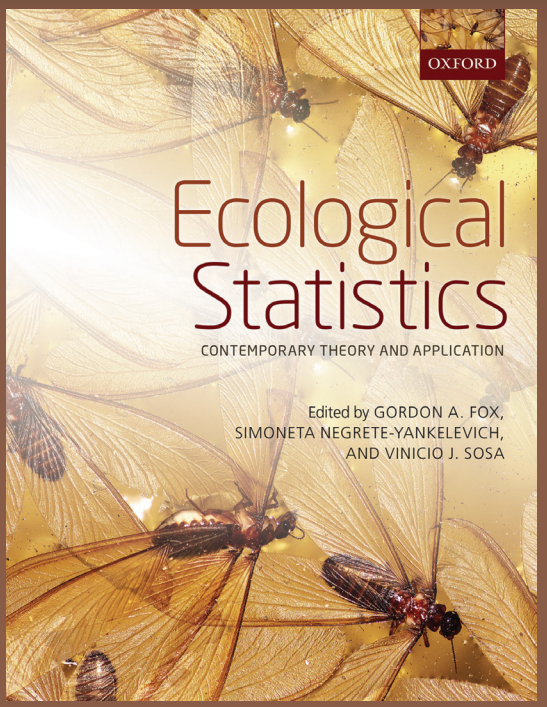
Contemporary Theory and Application

Edited by Gordon A. Fox, Simoneta Negrete-Yankelevich, and Vinicio J. Sosa

SAVE 30%
WITH PROMO CODE
ASPROMP8

This novel book synthesizes a number of developments and changes in both our understanding and practice of ecological statistics, addressing key approaches and issues that tend to be overlooked in other books such as missing/censored data, correlation structure of data, heterogeneous data, and complex causal relationships. These issues characterize a large proportion of ecological data, but most ecologists' training in traditional statistics simply does not provide them with adequate preparation to handle the associated challenges. Uniquely, Ecological Statistics highlights the underlying links among many statistical approaches that attempt to tackle these issues. In particular, it gives readers an introduction to approaches to inference, likelihoods, generalized linear (mixed) models, spatially or phylogenetically-structured data, and data synthesis, with a strong emphasis on conceptual understanding and subsequent application to data analysis.

Written by a team of practicing ecologists, mathematical explanations have been kept to the minimum necessary. This user-friendly textbook will be suitable for graduate students, researchers, and practitioners in the fields of ecology, evolution, environmental studies, and computational biology who are interested in updating their statistical tool kits. A companion web site provides example data sets and commented code in the R language.



GORDON A. FOX is Associate Pofessor in the Department of Integrative Biology at the University of South Florida.

SIMONETA NEGRETE-YANKELEVICH is a Researcher in the Functional Ecology Network of the Instituto de Ecologia A.C. in Mexico.

VINICIO J. SOSA is a Researcher in the Functional Ecology Network of the Instituto de Ecologia A.C. in Mexico.

OXFORD UNIVERSITY PRESS

March 2015 • 400 pages • Paperback
9780199672554 • ~~$64.95~~/$45.47

ORDER ONLINE AT **OUP.COM/US** AND ENTER
PROMO CODE ASPROMP8 AT CHECK OUT TO **SAVE 30%**