



Data Analysis in Community and Landscape Ecology

By R. H. G. Jongman, C. J. F. Ter Braak, O. F. R. van Tongeren

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Ecologists need to analyze their field data to interpret relationships within plant and animal communities and with their environments. The purpose of this book is to show ecologists and environmental scientists what numerical and statistical methods are most useful, how to use them and interpret the results from them, and what pitfalls to avoid. Subjects treated include data requirements, regression analysis, calibration (or inverse regression), ordination techniques, cluster analysis, and spatial analysis of ecological data. The authors take pains to use only elementary mathematics and explain the ecological models behind the techniques. Exercises and solution are provided for practice. This is the only book written specifically for ecologists that explains such techniques as logistic regression, canonical correspondence analysis, and kriging (statistical manipulation of data). This is a reissue of a book first published in 1987 by Pudoc (The Netherlands).

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- Sales Rank: #2440896 in Books
- Brand: Brand: Cambridge University Press
- Published on: 1995-04-28
- Original language: English
- Number of items: 1
- Dimensions: 8.98" h x .71" w x 5.98" l, 1.12 pounds
- Binding: Paperback
- 324 pages

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Review

"The book's strong point is the explanation of how the various analysis methods work. The authors include a surprising amount of detail without difficult mathematics." Michael F. Merigliano, Natural Areas Journal

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