

Data Analysis in Vegetation Ecology

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Evolving from years of teaching experience by one of the top experts in vegetation ecology, **Data Analysis in Vegetation Ecology** explains the background and basics of mathematical (mainly multivariate) analysis of vegetation data.

The book describes the basic processes involved in the analysis, the underlying hypotheses, aims and viewpoints within the subject. It conveys the message that each step in the calculations has a specific, straightforward meaning and that patterns and processes known by ecologists often find their counterpart in mathematical processes and functions. The first chapters introduce the elementary concepts and operations and relate them to real-world phenomena and problems. Later chapters concentrate on combinations of methods to reveal surprising features in datasets. These include how to find patterns in time series, how to generate simple dynamic models, how to reveal spatial patterns and related occurrence probability maps.

- An accessible and straightforward introduction to data analysis in vegetation ecology
- Written by a world renowned expert in the field
- Complex concepts and operations are explained using clear illustrations and case studies relating to real world phenomena
- Highlights both the potential and limitations of the methods used, and the final interpretations
- Includes suggestions for the use of the most widely used statistical software in vegetation ecology and how to start analysing data
- Accompanying website available at www.wiley.com/go/wildi

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