



Cause and Correlation in Biology: A User's Guide to Path Analysis, Structural Equations, and Causal Inference with R (2nd Revised edition)

By Bill Shipley

Cambridge University Press. Paperback. Book Condition: new. BRAND NEW, Cause and Correlation in Biology: A User's Guide to Path Analysis, Structural Equations, and Causal Inference with R (2nd Revised edition), Bill Shipley, Many problems in biology require an understanding of the relationships among variables in a multivariate causal context. Exploring such cause-effect relationships through a series of statistical methods, this book explains how to test causal hypotheses when randomised experiments cannot be performed. This completely revised and updated edition features detailed explanations for carrying out statistical methods using the popular and freely available R statistical language. Sections on d-sep tests, latent constructs that are common in biology, missing values, phylogenetic constraints, and multilevel models are also an important feature of this new edition. Written for biologists and using a minimum of statistical jargon, the concept of testing multivariate causal hypotheses using structural equations and path analysis is demystified. Assuming only a basic understanding of statistical analysis, this new edition is a valuable resource for both students and practising biologists.



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Reviews

Simply no terms to explain. I am quite late in start reading this one, but better then never. Its been written in an remarkably easy way and is particularly merely soon after i finished reading this book where basically changed me, affect the way i really believe.

-- **Prof. Jedediah Kuhic DVM**

Merely no phrases to describe. Better then never, though i am quite late in start reading this one. Its been written in an extremely easy way which is merely following i finished reading this publication through which in fact transformed me, change the way in my opinion.

-- **Pedro Renner**