Analysis of Variance and Covariance: How to Choose and Construct Models for the Life Sciences

C. Patrick Doncaster, Andrew J. H. Davey
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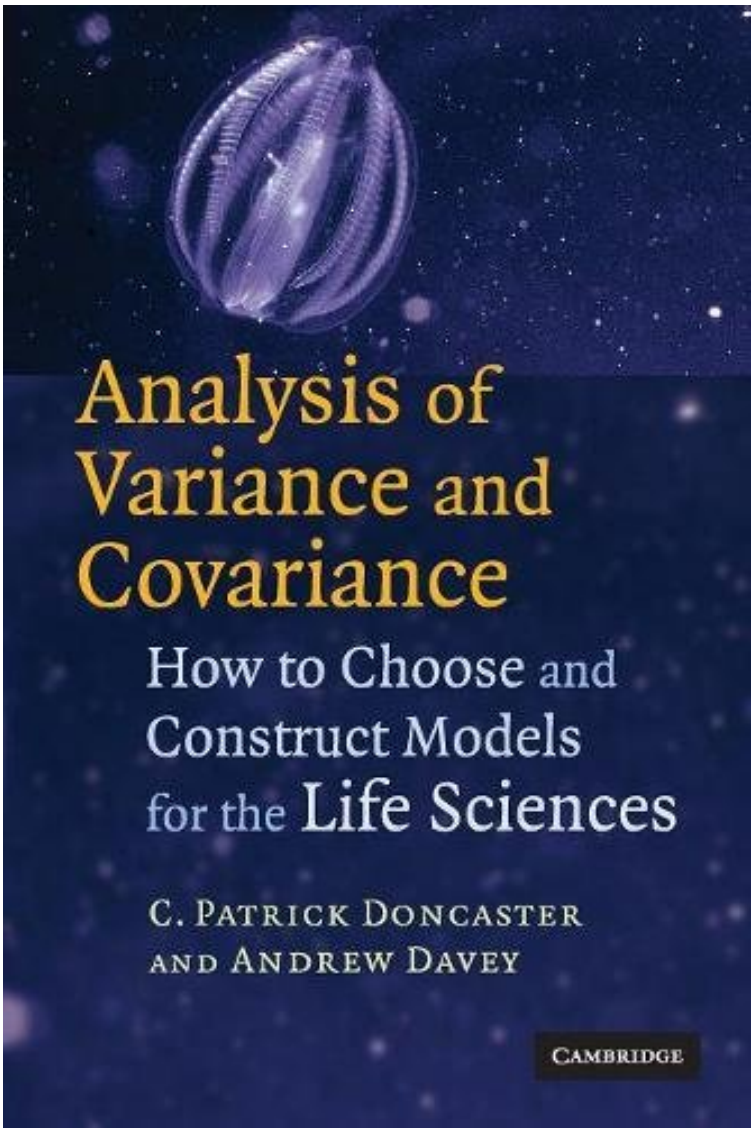

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C. Patrick Doncaster, Andrew J. H. Davey : Analysis of Variance and Covariance: How to Choose and Construct Models for the Life Sciences before purchasing it in order to gage whether or not it would be worth my time, and all praised Analysis of Variance and Covariance: How to Choose and Construct Models for the Life Sciences:

0 of 0 people found the following review helpful. Great resource!By JTI bought this as a supplement to a textbook for a graduate course in experimental design and it is extremely helpful. The text is written in a user friendly way that has helped me clear up confusing points. Great read for anyone in the sciences!

Analysis of variance (ANOVA) is a core technique for analysing data in the Life Sciences. This reference book bridges the gap between statistical theory and practical data analysis by presenting a comprehensive set of tables for all standard models of analysis of variance and covariance with up to three treatment factors. The book will serve as a tool to help post-graduates and professionals define their hypotheses, design appropriate experiments, translate them into a statistical model, validate the output from statistics packages and verify results. The systematic layout makes it easy for readers to identify which types of model best fit the themes they are investigating, and to evaluate the strengths and weaknesses of alternative experimental designs. In addition, a concise introduction to the principles of analysis of variance and covariance is provided, alongside worked examples illustrating issues and decisions faced by analysts.

"This is an authoritatively written book aimed at people who already have a good grasp of analysis of (co)variance using fixed factor an(c)ova, who are not afraid of algebraic notation and who wish to understand the background to the comprehensive range of study designs described which incorporate covariates and random factors." Peter Watson, Psychological MedicineAbout the AuthorC. PATRICK DONCASTER is a Reader in Ecology in the School of Biological Sciences at the University of Southampton.