

Biomeasurement, written for biologists by a biologist, is the perfect companion for an introductory course in statistics for the life sciences.

It describes the why and how of biological statistics, explaining why statistics are needed, how to choose and carry out statistical analysis, and how results can be interpreted. The focus throughout the book is on the application of statistics as a valuable research tool, avoiding detailed coverage of the mathematical background, and guiding you through key concepts and techniques in a steady, progressive, and confidence-building way. The book comes with a set of helpful online resources to help you apply statistics in your research using statistical software.

NEW TO THIS EDITION

- A 'Choosing Chart' for graphs to help you decide how best to explore and communicate your data
- Guidance on sample size choices and their consequences
- A checklist for reporting results in tables and figures
- Expanded treatment of frequency data and their handling in chi-square tests using SPSS

WHAT STUDENTS SAY

'I've had it since my undergraduate degree and I'm still using it now for a PhD module on Statistics! It makes even the trickier concepts really easy to understand, and I love the added online materials.'

BETH RICHMOND, student at University of Warwick

'This book was a refreshing change that encouraged me to keep reading and offered hope of understanding a subject that I struggle with.'

JILL HAKIN, student at Teesside University

'This is an ideal beginner's 'user manual' which allows you to get statistical results with no prior knowledge plus learn what you're doing ready for next time.'

JULIE CARTER, student at Anglia Ruskin University

'I found the book comprehensive and easy to follow, with easy step-by-step worked examples. The checklists and self-help questions allow readers to amalgamate their knowledge and ensure complete understanding of a sometimes very tricky subject'

JANE MCDIARMUID, student at The Open University

'This textbook promotes an enjoyable learning experience by using real life examples to enhance understanding of biological statistics, rather than focusing solely on the mathematical basis.'

JUDIT FORGÁCS, student at Edinburgh Napier University



online resources

www.oup.com/uk/hawkins4e

For students:

- Videos take you step-by-step through all the book's worked examples in SPSS and R
- Help sheets offer guidance on key techniques, and the use of SPSS and R
- Data sets enable you to practice tasks in statistical analysis software packages
- Interactive calculation sheets help you carry out key statistical tests quickly and easily in Excel
- Online glossary and flashcard glossary help you to master the necessary terminology
- Full-text versions of Literature Link articles from OUP Journals where you can read about how statistical analysis is used in research

For registered adopters of the book:

- Additional exercises, to supplement those in the book, and suggested tutorial assignments
- PowerPoint presentation outlines for each chapter
- Figures from the book, available for download

OXFORD
UNIVERSITY PRESS

www.oup.com

ISBN 978-0-19-880748-3



9 780198 807483