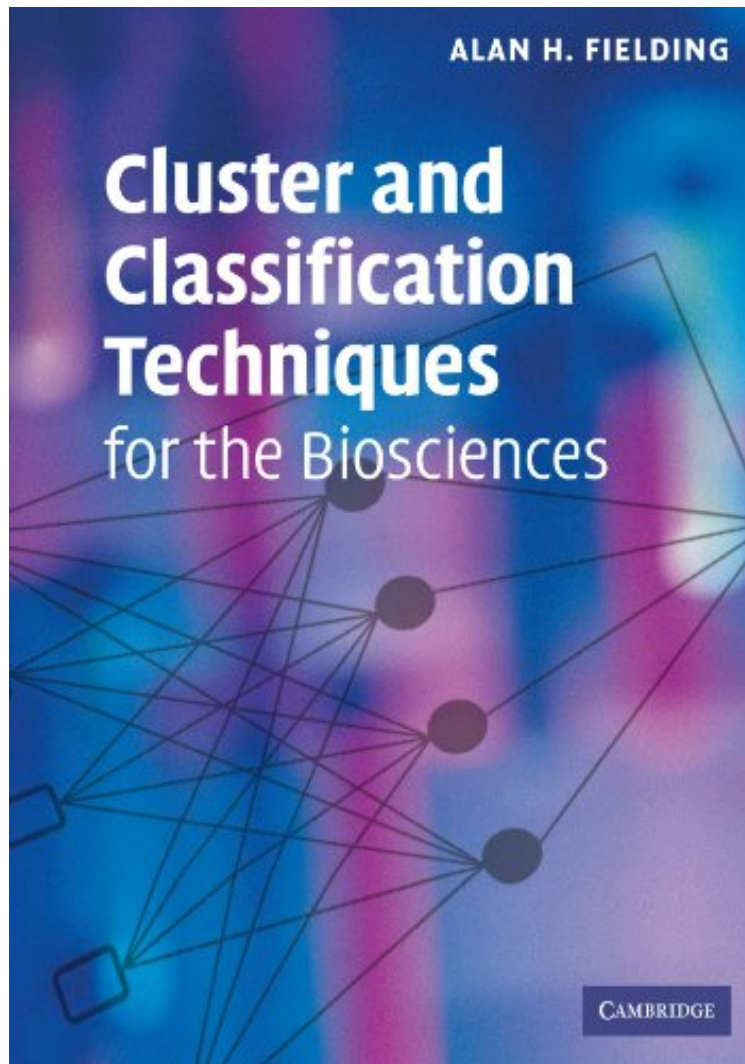


Cluster and Classification Techniques for the Biosciences

Alan H. Fielding

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Alan H. Fielding : Cluster and Classification Techniques for the Biosciences before purchasing it in order to gauge whether or not it would be worth my time, and all praised Cluster and Classification Techniques for the Biosciences:

1 of 1 people found the following review helpful. This is more like a survey book which goes through a number of ...By W. YIPThis is more like a survey book which goes through a number of cluster and classification techniques. Nothing is discussed in depth. However, if you want a quick summary of what the major techniques are, this could be a book for you. It has a number of simple examples to illustrate the techniques. There is also a reference if you are interested in learning more.

Advances in experimental methods have resulted in the generation of enormous volumes of data across the life sciences. Hence clustering and classification techniques that were once predominantly the domain of ecologists are now being used more widely. This 2006 book provides an overview of these important data analysis methods, from long-established statistical methods to more recent machine learning techniques. It aims to provide a framework that will enable the reader to recognise the assumptions and constraints that are implicit in all such techniques. Important generic issues are discussed first and then the major families of algorithms are described. Throughout the focus is on explanation and understanding and readers are directed to other resources that provide additional mathematical rigour when it is required. Examples taken from across the whole of biology, including bioinformatics, are provided throughout the book to illustrate the key concepts and each technique's potential.

"...the book contains quite a lot of useful material for those embarking in this area...." - Morven Leese, Biometrics
About the Author Alan H. Fielding is Senior Lecturer in the Division of Biology at Manchester Metropolitan University.