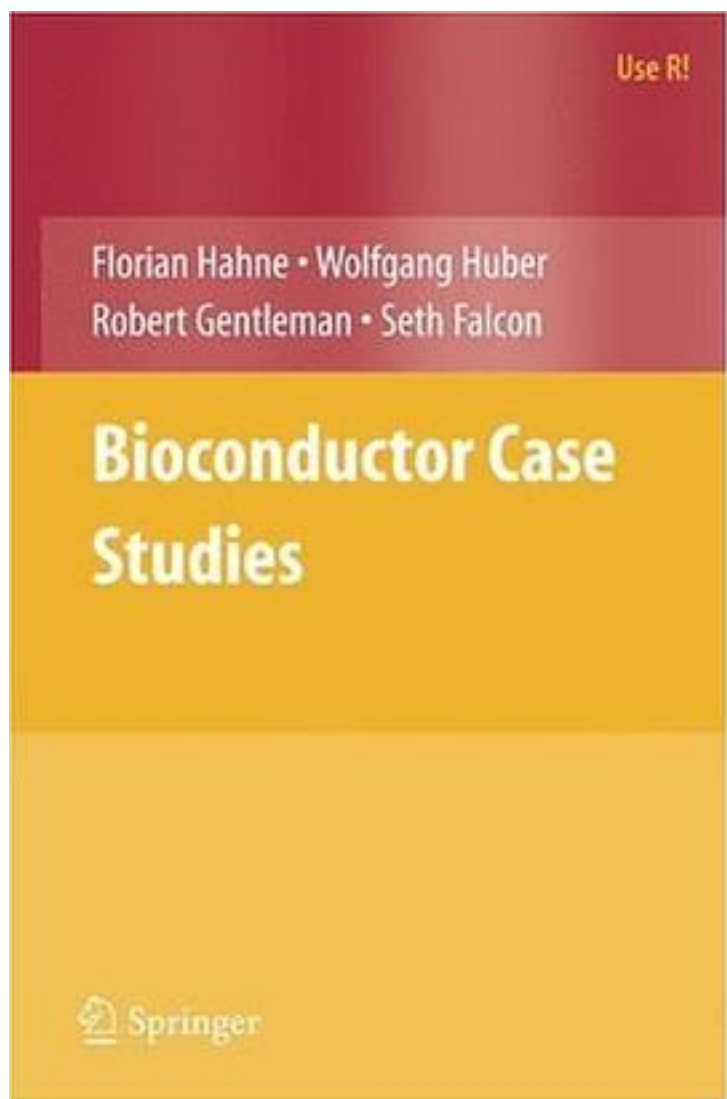


# Bioconductor Case Studies (Use R)



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Bioconductor software has become a standard tool for the analysis and comprehension of data from high-throughput genomics experiments. Its application spans a broad field of technologies used in contemporary molecular biology. In this volume, the authors present a collection of cases to apply Bioconductor tools in the analysis of microarray gene expression data. Topics covered include: (1) import and preprocessing of data from various sources; (2) statistical modeling of differential gene expression; (3) biological metadata; (4) application of graphs and graph rendering; (5) machine learning for clustering and classification problems; (6) gene set enrichment analysis. Each chapter of this book describes an analysis of real data using hands-on example driven approaches. Short exercises help in the learning process and invite more advanced considerations of key topics. The book is a dynamic document. All the code shown can be executed on a local computer, and readers are able to reproduce every computation, figure, and table.

作者介绍:

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标签

R

Bioconductor

统计

计算机科学

英文版

生物

数学

programming

## 评论

Wolfgang先生推荐的这本书用来分析affymetrix真的又入门又实用

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以前这些書都只有电子版可以看，在图书馆无意中看到，就借回来，这么多年用bioco  
nductor，書中的topic都是有接触到的，做为了一本case  
study的書，也只是show一些代码，流程化的东西。其实也没啥好看的，都是需要什么  
，现学现賣，这本书只是从头到尾随便翻过去。

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Case study, on microarray

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## 书评

It has been a long time since I devoted myself to learning something. I wanted to learn R around 2007, and consulted to friends in CBI. At then, I was using R to analyze my data while I began to learn this new language. Difficulties arised, and I stopped....

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