

1. Record Nr.	UNINA9910146073503321
Autore	Knudsen Steen
Titolo	Guide to analysis of DNA microarray data [[electronic resource] /] / Steen Knudsen
Pubbl/distr/stampa	Hoboken, N.J., : Wiley-Liss, c2004
ISBN	1-280-25320-7 9786610253203 0-471-67026-X 0-471-67027-8
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (194 p.)
Altri autori (Persone)	KnudsenSteen
Disciplina	572.86 572.8636
Soggetti	DNA microarrays Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Originally published under title: A biologist's guide to analysis of DNA microarray data. c2002.
Nota di bibliografia	Includes bibliographical references (p. 145-164) and index.
Nota di contenuto	Guide to ANALYSIS OF DNA MICROARRAY DATA; Contents; Preface; Acknowledgments; 1 Introduction to DNA Microarray Technology; 1.1 Hybridization; 1.2 Gold Rush?; 1.3 The Technology Behind DNA Microarrays; 1.3.1 Affymetrix GeneChip Technology; 1.3.2 Spotted Arrays; 1.3.3 Digital Micromirror Arrays; 1.3.4 Inkjet Arrays; 1.3.5 Bead Arrays; 1.3.6 Serial Analysis of Gene Expression (SAGE); 1.4 Parallel Sequencing on Microbead Arrays; 1.4.1 Emerging Technologies; 1.5 Example: Affymetrix vs. Spotted Arrays; 1.6 Summary; 1.7 Further Reading; 2 Overview of Data Analysis; 3 Image Analysis; 3.1 Gridding; 3.2 Segmentation; 3.3 Intensity Extraction; 3.4 Background Correction; 3.5 Software; 3.5.1 Free Software for Array Image Analysis; 3.5.2 Commercial Software for Array Image Analysis; 3.6 Summary; 3.7 Further Reading; 4 Basic Data Analysis; 4.1 Normalization; 4.1.1 One or More Genes Assumed Expressed at Constant Rate; 4.1.2 Sum of Genes is Assumed Constant; 4.1.3 Subset of Genes is Assumed Constant; 4.1.4 Majority of Genes Assumed Constant; 4.1.5 Spike Controls; 4.2 Dye Bias, Spatial Bias, Print Tip Bias; 4.3 Expression Indices; 4.3.1

Average Difference; 4.3.2 Signal
 4.3.3 Model-Based Expression Index
 4.3.4 Robust Multiarray Average;
 4.3.5 Position Dependent Nearest Neighbor Model; 4.4 Detection of
 Outliers; 4.5 Fold Change; 4.6 Significance; 4.6.1 Multiple Conditions;
 4.6.2 Nonparametric Tests; 4.6.3 Correction for Multiple Testing; 4.6.4
 Example I: t-Test and ANOVA; 4.6.5 Example II: Number of Replicates;
 4.7 Mixed Cell Populations; 4.8 Summary; 4.9 Further Reading; 5
 Visualization by Reduction of Dimensionality; 5.1 Principal Component
 Analysis; 5.2 Example 1: PCA on Small Data Matrix; 5.3 Example 2: PCA
 on Real Data; 5.4 Summary; 5.5 Further Reading
 6 Cluster Analysis
 6.1 Hierarchical Clustering; 6.2 K-means Clustering;
 6.3 Self-organizing Maps; 6.4 Distance Measures; 6.4.1 Example:
 Comparison of Distance Measures; 6.5 Time-Series Analysis; 6.6 Gene
 Normalization; 6.7 Visualization of Clusters; 6.7.1 Example:
 Visualization of Gene Clusters in Bladder Cancer; 6.8 Summary; 6.9
 Further Reading; 7 Beyond Cluster Analysis; 7.1 Function Prediction;
 7.2 Discovery of Regulatory Elements in Promoter Regions; 7.2.1
 Example 1: Discovery of Proteasomal Element; 7.2.2 Example 2:
 Rediscovery of Mlu Cell Cycle Box (MCB); 7.3 Summary; 7.4 Further
 Reading
 8 Automated Analysis, Integrated Analysis, and Systems Biology
 8.1 Integrated Analysis; 8.2 Systems Biology; 8.3 Further Reading; 9
 Reverse Engineering of Regulatory Networks; 9.1 The Time-Series
 Approach; 9.2 The Steady-State Approach; 9.3 Limitations of Network
 Modeling; 9.4 Example 1: Steady-State Model; 9.5 Example 2: Steady-
 State Model on Bacillus Data; 9.6 Example 3: Linear Time-Series Model;
 9.7 Further Reading; 10 Molecular Classifiers; 10.1 Feature Selection;
 10.2 Validation; 10.3 Classification Schemes; 10.3.1 Nearest Neighbor;
 10.3.2 Nearest Centroid; 10.3.3 Neural Networks
 10.3.4 Support Vector Machine

Sommario/riassunto

Written for biologists and medical researchers who don't have any
 special training in data analysis and statistics, Guide to Analysis of DNA
 Microarray Data, Second Edition begins where DNA array equipment
 leaves off: the image produced by the microarray. The text deals with
 the questions that arise starting at this point, providing an introduction
 to microarray technology, then moving on to image analysis, data
 analysis, cluster analysis, and beyond. With all chapters rewritten,
 updated, and expanded to include the latest generation of technology
 and methods, Guide to Analysis of DNA Micro

2. Record Nr.	UNISA996384529703316
Titolo	The New Testament of our Lord and Savior Jesus Christ [[electronic resource] /] / translated into the Indian language and ordered to be printed by the commissioners of the united colonies in New-England, at the charge, and with the consent of the corporation in England for the propagation of the gospel amongst the Indians in New-England
Pubbl/distr/stampa	Cambridg [Mass.], : Printed by Samuel Green and Marmaduke Johnson, 1661
Descrizione fisica	[260] p
Altri autori (Persone)	EliotJohn <1604-1690.>
Soggetti	Massachuset language
Lingua di pubblicazione	North American Indian (Other)
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Reproduction of original in Huntington Library. Translated by John Eliot. cf. NUC-pre 1956. Also has t.p.: Wusku Wuttestamentum Nul-Lordumun Jesus Christ Nuppoquohwussuaeneumun.
Sommario/riassunto	eebo-0113

3. Record Nr.	UNINA9910287937703321
Autore	Pullan Brian S.
Titolo	A history of the University of Manchester, 1973-90 // Brian Pullan with Michele Abendstern
Pubbl/distr/stampa	Manchester University Press, 2004 Manchester, UK : , : Manchester University Press, , 2018 ©2004
ISBN	1-84779-551-X
Descrizione fisica	1 online resource (xiii, 334 pages) : digital, PDF file(s)
Disciplina	378.42733
Soggetti	College students - History - 20th century
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	First published in print: 2004.
Nota di bibliografia	Includes bibliographical references and index.
Sommario/riassunto	This is the second volume of a history of the University of Manchester since 1951. It spans seventeen critical years in which public funding was contracting, student grants were diminishing, instructions from the government and the University Grants Commission were multiplying, and universities feared for their reputation in the public eye. It provides a frank account of the University's struggle against these difficulties and its efforts to prove the value of university education to society and the economy. This volume describes and analyses not only academic developments and changes in the structure and finances of the University, but the opinions and social and political lives of the staff and their students as well. It also examines the controversies of the 1970s and 1980s over such issues as feminism, free speech, ethical investment, academic freedom and the quest for efficient management. The author draws on official records, staff and student newspapers, and personal interviews with people who experienced the University in very different ways. With its wide range of academic interests and large student population, the University of Manchester was the biggest unitary university in the country, and its history illustrates the problems faced by almost all British universities. The books will appeal to past and present staff of the University and its alumni, and to anyone

interested in the debates surrounding higher education in the late twentieth century. A history of the University of Manchester, 1951-73 by Brian Pullan is also available from Manchester University Press.
