1. Record Nr. UNINA9910143905703321

Autore	Bergmann Ralph
Titolo	Experience Management : Foundations, Development Methodology, and Internet-Based Applications / / by Ralph Bergmann
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2002
ISBN	3-540-45759-3
Edizione	[1st ed. 2002.]
Descrizione fisica	1 online resource (XXII, 398 p.)
Collana	Lecture Notes in Artificial Intelligence ; ; 2432
Disciplina	658.4/038
Soggetti	Artificial intelligence Application software Multimedia systems Information technology Business—Data processing Electronic commerce Artificial Intelligence Information Systems Applications (incl. Internet) Multimedia Information Systems Computer Appl. in Administrative Data Processing IT in Business e-Commerce/e-business
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	1. Introduction -- 2. Experience Management -- 3. Representing Experience -- 4. Assessing Experience Utility -- 5. Representing Knowledge for Adaptation -- 6. User Communication -- 7. Experience Retrieval -- 8. Experience Adaptation -- 9. Developing and Maintaining Experience Management Applications -- 10. Experience Management for Electronic Commerce -- 11. Experience Management for Self-Service and Help-Desk Support -- 12. Experience Management for Electronic Design Reuse.
Sommario/riassunto	This book deals with experience management in the context of real-world applicability and realistic applications. A particular focus is given

	by the requirements that arise in complex problem solving and by the fact that modern experience management must be implemented as Internet-based applications. Concrete application areas that are discussed in this book are electronic commerce, diagnosis of complex technical equipment, and electronic design reuse. This book explores how experience management can be supported by information technology, especially by techniques that stem from knowledge-based systems, case-based reasoning, machine learning, and process modeling. It surveys different methods in a unified terminology and investigates them with respect to application requirements. Further, the process of application development and maintenance is highlighted, pointing out successful practically proven ways for obtaining and operating experience management applications.

2.

Record Nr.	UNINA9910299769803321
Autore	Gondro Cedric
Titolo	Primer to Analysis of Genomic Data Using R / / by Cedric Gondro
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2015
ISBN	3-319-14475-8
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (283 p.)
Collana	Use R!, , 2197-5736
Disciplina	572.838
Soggetti	Statistics Gene expression Microarrays R (Computer program language) Statistics for Life Sciences, Medicine, Health Sciences Statistics and Computing/Statistics Programs Gene Expression
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	R basics -- Simple marker association tests -- Genome wide association studies -- Population and genetic architecture -- Gene

expression analysis -- Databases and functional information -- Extending R -- Final comments -- Index -- References.

Sommario/riassunto

Through this book, researchers and students will learn to use R for analysis of large-scale genomic data and how to create routines to automate analytical steps. The philosophy behind the book is to start with real world raw datasets and perform all the analytical steps needed to reach final results. Though theory plays an important role, this is a practical book for advanced undergraduate and graduate classes in bioinformatics, genomics and statistical genetics or for use in lab sessions. This book is also designed to be used by students in computer science and statistics who want to learn the practical aspects of genomic analysis without delving into algorithmic details. The datasets used throughout the book may be downloaded from the publisher’s website. Chapters show how to handle and manage high-throughput genomic data, create automated workflows and speed up analyses in R. A wide range of R packages useful for working with genomic data are illustrated with practical examples. In recent years R has become the de facto tool for analysis of gene expression data, in addition to its prominent role in the analysis of genomic data. Benefits to using R include the integrated development environment for analysis, flexibility and control of the analytic workflow. At a time when genomic data is decidedly big, the skills from this book are critical. The key topics covered are association studies, genomic prediction, estimation of population genetic parameters and diversity, gene expression analysis, functional annotation of results using publically available databases and how to work efficiently in R with large genomic datasets. Important principles are demonstrated and illustrated through engaging examples which invite the reader to work with the provided datasets. Some methods that are discussed in this volume include: signatures of selection; population parameters (LD, FST, FIS, etc); use of a genomic relationship matrix for population diversity studies; use of SNP data for parentage testing; snpBLUP and gBLUP for genomic prediction. Step-by-step, all the R code required for a genome-wide association study is shown: starting from raw SNP data, how to build databases to handle and manage the data, quality control and filtering measures, association testing and evaluation of results, through to identification and functional annotation of candidate genes. Similarly, gene expression analyses are shown using microarray and RNAseq data. .