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Autore	White James R.
Titolo	Large partnerships : characteristics of population and IRS audits // James R. White
Pubbl/distr/stampa	Washington, DC : , : U.S. Government Accountability Office, , 2014
Descrizione fisica	1 online resource (21 pages) : color illustrations
Soggetti	Business enterprises - United States - Auditing Taxpayer compliance - United States - Evaluation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
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2. Record Nr.	UNINA9910138969003321
Autore	Elloumi Mourad
Titolo	Biological knowledge discovery handbook : preprocessing, mining and postprocessing of biological data // edited by Mourad Elloumi, Albert Y. Zomaya ; cover Design, Michael Rutkowski ; Jad Abbass [and one hundred twenty eight others], contributors
Pubbl/distr/stampa	Hoboken, New Jersey : , : Wiley, , 2014 ©2014
ISBN	1-118-85372-5 1-118-61715-0 1-118-61711-8
Descrizione fisica	1 online resource (1192 p.)
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Altri autori (Persone)	ElloumiMourad RutkowskiMichael AbbassJad
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Livello bibliografico	Monografia
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Nota di contenuto	BIOLOGICAL KNOWLEDGE DISCOVERY HANDBOOK: Preprocessing, Mining, and Postprocessing of Biological Data; CONTENTS; PREFACE; CONTRIBUTORS; SECTION I: BIOLOGICAL DATA PREPROCESSING; PART A: BIOLOGICAL DATA MANAGEMENT; 1 GENOME AND TRANSCRIPTOME SEQUENCE DATABASES FOR DISCOVERY, STORAGE, AND REPRESENTATION OF ALTERNATIVE SPLICING EVENTS; 1.1 INTRODUCTION; 1.2 SPLICING; 1.2.1 Mechanism of Splicing; 1.2.2 Regulation of Splicing; 1.3 ALTERNATIVE SPLICING; 1.3.1 Introduction to Alternative Splicing; 1.3.2 Mechanism of Alternative Splicing; 1.3.3 Regulation of Alternative Splicing 1.3.4 Evolution and Conservation of Splicing and Alternative Splicing 1.4 ALTERNATIVE SPLICING DATABASES; 1.4.1 Genomic and

Transcriptomic Sequence Analyses; 1.4.2 Literature Overview of Various Alternative Splicing Databases; 1.4.3 SDBs; 1.5 DATA MINING FROM ALTERNATIVE SPLICING DATABASES; 1.5.1 Implementation of dbASQ and Utility of SDBs; 1.5.2 Identification of Transcript-Initial and Transcript-Terminal Variation; ACKNOWLEDGMENTS; WEB RESOURCES; REFERENCES; 2 CLEANING, INTEGRATING, AND WAREHOUSING GENOMIC DATA FROM BIOMEDICAL RESOURCES; 2.1 INTRODUCTION; 2.2 RELATED WORK
2.3 TYPOLOGY OF DATA QUALITY PROBLEMS IN BIOMEDICAL RESOURCES 2.4 CLEANING, INTEGRATING, AND WAREHOUSING BIOMEDICAL DATA; 2.4.1 Lessons Learned from Integrating and Warehousing Biomedical Data on Liver Genes and Diseases; 2.4.2 Data Quality-Aware Solutions; 2.4.3 Biological Entity Resolution and Record Linkage; 2.4.4 Ontology-Based Approaches; 2.5 CONCLUSIONS AND PERSPECTIVES; WEB RESOURCES; REFERENCES; 3 CLEANSING OF MASS SPECTROMETRY DATA FOR PROTEIN IDENTIFICATION AND QUANTIFICATION; 3.1 INTRODUCTION; 3.2 PREPROCESSING APPROACH FOR IMPROVING PROTEIN IDENTIFICATION; 3.2.1 Existing Approaches 3.2.2 New Dynamic Wavelet-Based Spectra Preprocessing Method 3.3 IDENTIFICATION FILTERING APPROACH FOR IMPROVING PROTEIN IDENTIFICATION; 3.3.1 Existing Approaches; 3.3.2 New Target-Decoy Approach for Improving Protein Identification; 3.4 EVALUATION RESULTS; 3.4.1 Evaluation of New Preprocessing Method; 3.4.2 Evaluation of New Identification Filtering Method; 3.5 CONCLUSION; REFERENCES; 4 FILTERING PROTEIN-PROTEIN INTERACTIONS BY INTEGRATION OF ONTOLOGY DATA; 4.1 INTRODUCTION; 4.2 EVALUATION OF SEMANTIC SIMILARITY; 4.2.1 Gene Ontology; 4.2.2 Survey of Semantic Similarity Measures 4.2.3 Correlation with Functional Categorizations 4.3 IDENTIFICATION OF FALSE PROTEIN-PROTEIN INTERACTION DATA; 4.3.1 Classification Method; 4.3.2 Accuracy of PPI Classification; 4.3.3 Reliability of PPI Data; 4.4 CONCLUSION; REFERENCES; PART B: BIOLOGICAL DATA MODELING; 5 COMPLEXITY AND SYMMETRIES IN DNA SEQUENCES; 5.1 INTRODUCTION; 5.2 ARCHAEA; 5.3 PATTERNS ON INDICATOR MATRIX; 5.3.1 Indicator Matrix; 5.3.2 Test Sequences; 5.4 MEASURE OF COMPLEXITY AND INFORMATION; 5.4.1 Complexity; 5.4.2 Fractal Dimension; 5.4.3 Entropy; 5.5 COMPLEX ROOT REPRESENTATION OF DNA WORDS
5.5.1 Pseudorandom Sequence on Unit Circle

Sommario/riassunto

The first comprehensive overview of preprocessing, mining, and postprocessing of biological data. Molecular biology is undergoing exponential growth in both the volume and complexity of biological data-and knowledge discovery offers the capacity to automate complex search and data analysis tasks. This book presents a vast overview of the most recent developments on techniques and approaches in the field of biological knowledge discovery and data mining (KDD)- providing in-depth fundamental and technical field information on the most important topics encountered. Written by top
