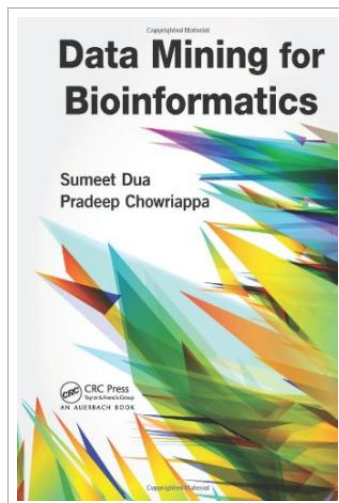




Data Mining for Bioinformatics (Hardback)

By Sumeet Dua, Pradeep Chowriappa

Taylor Francis Inc, United States, 2012. Hardback. Book Condition: New. 236 x 160 mm. Language: English . Brand New Book. Covering theory, algorithms, and methodologies, as well as data mining technologies, Data Mining for Bioinformatics provides a comprehensive discussion of data-intensive computations used in data mining with applications in bioinformatics. It supplies a broad, yet in-depth, overview of the application domains of data mining for bioinformatics to help readers from both biology and computer science backgrounds gain an enhanced understanding of this cross-disciplinary field. The book offers authoritative coverage of data mining techniques, technologies, and frameworks used for storing, analyzing, and extracting knowledge from large databases in the bioinformatics domains, including genomics and proteomics. It begins by describing the evolution of bioinformatics and highlighting the challenges that can be addressed using data mining techniques. Introducing the various data mining techniques that can be employed in biological databases, the text is organized into four sections: * Supplies a complete overview of the evolution of the field and its intersection with computational learning * Describes the role of data mining in analyzing large biological databases-explaining the breath of the various feature selection and feature extraction techniques that data mining has to offer...



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