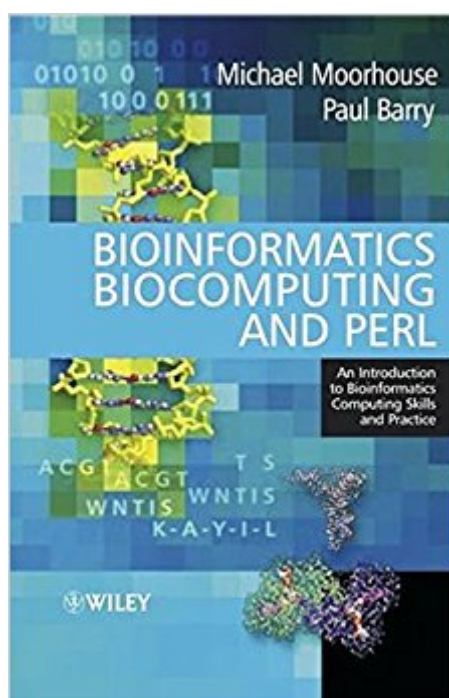**The book was found**

Bioinformatics Biocomputing And Perl: An Introduction To Bioinformatics Computing Skills And Practice

Synopsis

Bioinformatics, Biocomputing and Perl presents a modern introduction to bioinformatics computing skills and practice. Structuring its presentation around four main areas of study, this book covers the skills vital to the day-to-day activities of todayÃ¢â ¬â„¢s bioinformatician. Each chapter contains a series of maxims designed to highlight key points and there are exercises to supplement and cement the introduced material. Working with Perl presents an extended tutorial introduction to programming through Perl, the premier programming technology of the bioinformatics community. Even though no previous programming experience is assumed, completing the tutorial equips the reader with the ability to produce powerful custom programs with ease. Working with Data applies the programming skills acquired to processing a variety of bioinformatics data. In addition to advice on working with important data stores such as the Protein DataBank, SWISS-PROT, EMBL and the GenBank, considerable discussion is devoted to using bioinformatics data to populate relational database systems. The popular MySQL database is used in all examples. Working with the Web presents a discussion of the Web-based technologies that allow the bioinformatics researcher to publish both data and applications on the Internet. Working with Applications shifts gear from creating custom programs to using them. The tools described include Clustal-W, EMBOSS, STRIDE, BLAST and Xmgrace. An introduction to the important Bioperl Project concludes this chapter and rounds off the book.

Book Information

Paperback: 508 pages

Publisher: Wiley; 1 edition (July 2, 2004)

Language: English

ISBN-10: 047085331X

ISBN-13: 978-0470853313

Product Dimensions: 7.5 x 1.2 x 8.8 inches

Shipping Weight: 2.4 pounds (View shipping rates and policies)

Average Customer Review: 2.6 out of 5 stars   2 customer reviews

Best Sellers Rank: #644,470 in Books (See Top 100 in Books)   #53 inÃ Â Books > Computers & Technology > Programming > Languages & Tools > Perl   #123 inÃ Â Books > Textbooks > Medicine & Health Sciences > Medicine > Basic Sciences > Immunology   #176 inÃ Â Books > Computers & Technology > Computer Science > Bioinformatics

Customer Reviews

"...such a helpful and relevant book...I am following [an] MSc distance learning course in Bioinformatics...I would have been at a complete loss without your book!" (Susan Tzotzos MSc, PhD, Vienna, Austria)

Bioinformatics, Biocomputing and PerlÃ Â presents an extended tutorial introduction to programming through Perl, the premier programming technology of the bioinformatics community. Even though no previous programming experience is assumed, completing the tutorial equips the reader with the ability to produce powerful custom programs with ease. Working with Data applies the programming skills acquired to processing a variety of bioinformatics data. In addition to advice on working with important data stores such as the Protein DataBank, SWISS-PROT, EMBL and the GenBank, considerable discussion is devoted to using bioinformatics data to populate relational database systems. The popular MySQL database is used in all examples. Working with the Web presents a discussion of the Web-based technologies that allow the bioinformatics researcher to publish both data and applications on the Internet. Working with Applications shifts gear from creating custom programs to using them. The tools described include Clustal-W, EMBOSS, STRIDE, BLAST and Xmgrace. An introduction to the important Bioperl Project concludes this chapter and rounds off the book. Each chapter contains a series of maxims designed to highlight key points and there are exercises to supplement and cement the introduced material. Source code, related links, errata and presentation materials are provided at glasnost.itcarlow.ie/~biobook/index.html (in PowerPoint format).

I have been programming and working as a biologist for the past 6 years, but I have had only a small exposure to Perl. When I read this book description, I was excited since it indicated that Perl would be taught from the ground up and from the bioinformatics perspective. While the perspective is as advertised, this is still a terrible book. Unless you know something about Perl (and programming in general) before you begin, you will be lost. The authors organize some material well, but often relevant items are completely missing. They almost completely abandon Windows users when it would only take a few more sentences to address the difference between Unix and Windows. The end of chapter exercises are poorly thought out and do not provide sufficient practice for the novice. Frequently I found myself referring to "Beginning Perl for Bioinformatics" to make sense of the Moorhouse and Barry book.

I like this book as a tutorial. I am teaching myself Perl with this book. The chapter examples are

good practice and the exercises at the end of the chapters are reasonable. I am about 1/4 through the book, and so far am enjoying the learning process.

Bioinformatics Biocomputing and Perl: An Introduction to Bioinformatics Computing Skills and Practice Beginning Perl for Bioinformatics Programmed Inequality: How Britain Discarded Women Technologists and Lost Its Edge in Computing (History of Computing) Biomedical Statistics with Computing (Medical Computing Series) Learning Perl Bioinformatics Data Skills: Reproducible and Robust Research with Open Source Tools Algorithms in Bioinformatics: A Practical Introduction (Chapman & Hall/CRC Mathematical and Computational Biology) An Introduction to Bioinformatics Algorithms (Computational Molecular Biology) Introduction to Bioinformatics Introduction to Probability and Statistics: Principles and Applications for Engineering and the Computing Sciences Introduction to Computing Systems: From Bits and Gates to C and Beyond Quantum Nanoelectronics: An introduction to electronic nanotechnology and quantum computing Introduction to Scientific and Technical Computing Introduction to High Performance Computing for Scientists and Engineers (Chapman & Hall/CRC Computational Science) Introduction to Computing and Programming in Python (4th Edition) An Introduction to Scientific Computing: Twelve Computational Projects Solved with MATLAB (Texts in Applied Mathematics) An Introduction to Quantum Computing Introduction to Computing Using Python: An Application Development Focus Pedretti's Occupational Therapy: Practice Skills for Physical Dysfunction, 7e (Occupational Therapy Skills for Physical Dysfunction (Pedretti)) Pedretti's Occupational Therapy: Practice Skills for Physical Dysfunction, 6e (Occupational Therapy Skills for Physical Dysfunction (Pedretti))