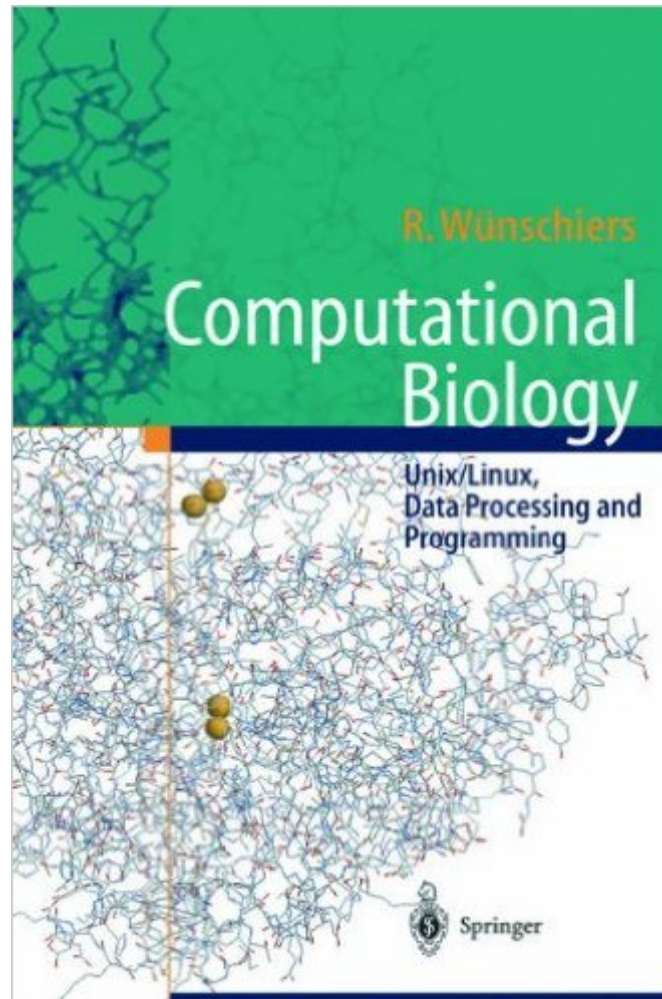# Computational Biology -: Unix/Linux, Data Processing And Programming

Synopsis

-Teaches the reader how to use Unix, which is the key to basic computing and allows the most flexibility for bioinformatics applications -Written specifically with the needs of molecular biologists in mind -Easy to follow, written for beginners with no computational knowledge -Includes examples from biological data analysis -Can be use either for self-teaching or in courses Â

Book Information

Paperback: 302 pages

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ISBN-10: 354021142X

ISBN-13: 978-3540211426

Product Dimensions: 6.1 x 0.7 x 9.2 inches

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Average Customer Review: 3.5 out of 5 starsÂ Â See all reviewsÂ (4 customer reviews)

Best Sellers Rank: #2,056,325 in Books (See Top 100 in Books)   #22 inÂ Books > Computers & Technology > Operating Systems > Linux > Applications   #67 inÂ Books > Computers & Technology > Programming > APIs & Operating Environments > Unix   #74 inÂ Books > Medical Books > Medicine > Prosthesis

Customer Reviews

A straightforward little book. Essentially a unix text about sed, awk and Perl. Ostensibly, it has to do with computational biology and the parsing of the various common data formats in that field. But a perusal of the book shows that the scope is more general. The biology formats are used as case studies. If you are in high energy physics, for example, and you have accelerator data in some other format, the book might still be of use in helping you parse out what you need.The sed and awk discussions could have be written 10 years or more ago. Those programs have been very stable. Whereas Perl has undergone relatively rapid changes. In fact, as the book indicates, Perl is far more powerful than sed or awk. It is a fully fledged programming language that can take you some time to master. The book doesn't give a comprehensive coverage of Perl's abilities. But for the expected reader, it may suffice.

Although titled computational biology, the book is actually an introductory Linux text. This is not surprising considered the widespread usage of open source software that necessitate the mastery

of the basic linux command and programming language like Shell, Awk and Perl for every computational biologist. This little book really help me survive my bioinformatics courses and has now become a handy reference for day-to-day computational task.

I have to confess I bought this book in a rush, without reading the descriptions and reviews. Although I was a bit disappointed (I'm not a newbie on that subject anymore), this does not mean it's useless - I'm sure it will be of great use to people who are totally unfamiliar with Linux systems and programming. I would probably use it to teach this subject for undergraduates.

This is just another basic book on how to use Linux, that's all. It comes with a fancy title "Computational Biology" but it has nothing to do with that subject.

Computational Biology -: Unix/Linux, Data Processing and Programming Linux: Linux Command Line - A Complete Introduction To The Linux Operating System And Command Line (With Pics) (Unix, Linux kemel, Linux command line, ... CSS, C++, Java, PHP, Excel, code) (Volume 1) Python para administracion de sistemas Unix y Linux/ Pythons for Management of Unix and Linux Sistems (Spanish Edition) Data Analytics: Practical Data Analysis and Statistical Guide to Transform and Evolve Any Business. Leveraging the Power of Data Analytics, Data ... (Hacking Freedom and Data Driven) (Volume 2) Data Analytics: What Every Business Must Know About Big Data And Data Science (Data Analytics for Business, Predictive Analysis, Big Data) Speech and Language Processing: An Introduction to Natural Language Processing, Computational Linguistics and Speech Recognition LINUX: Easy Linux For Beginners, Your Step-By-Step Guide To Learning The Linux Operating System And Command Line (Linux Series) RNA-seq Data Analysis: A Practical Approach (Chapman & Hall/CRC Mathematical and Computational Biology) Unix, Solaris and Linux: A Practical Security Cookbook: Securing Unix Operating System Without Third-Party Applications Analytics: Data Science, Data Analysis and Predictive Analytics for Business (Algorithms, Business Intelligence, Statistical Analysis, Decision Analysis, Business Analytics, Data Mining, Big Data) Automating Linux and Unix System Administration (Expert's Voice in Linux) Linux Administration: The Linux Operating System and Command Line Guide for Linux Administrators CompTIA Linux+ Powered by Linux Professional Institute Study Guide: Exam LX0-103 and Exam LX0-104 (Comptia Linux + Study Guide) Linux For Beginners: The Ultimate Guide To The Linux Operating System & Linux Advanced Unix Shell Scripting: How to Reduce Your Labor and Increase Your Effectiveness Through Mastery of Unix Shell Scripting and Awk Programming Unix Shell Programming Tools with

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