



## UNIX and Perl to the Rescue!

By Keith Bradnam, Ian Korf

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Your research has generated gigabytes of data and now you need to analyse it. You hate using spreadsheets but it is all you know, so what else can you do? This book will transform how you work with large and complex data sets, teaching you powerful programming tools for slicing and dicing data to suit your needs. Written in a fun and accessible style, this step-by-step guide will inspire and inform non-programmers about the essential aspects of Unix and Perl. It shows how, with just a little programming knowledge, you can write programs that could save you hours, or even days. No prior experience is required and new concepts are introduced using numerous code examples that you can try out for yourself. Going beyond the basics, the authors touch upon many broader topics that will help those new to programming, including debugging and how to write in a good programming style.

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## **UNIX and Perl to the Rescue! By Keith Bradnam, Ian Korf Bibliography**

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## **Editorial Review**

### Review

"My chief regret about this book is that it wasn't available last year, when I was working with a group of life-science researchers. I could have persuaded them all to purchase a copy, thereby saving myself a great deal of the time I spent assisting with their data analysis tasks!"

G. K. Jenkins, Computing Reviews

"With their book on UNIX and Perl, scientists Bradnam and Korf have come to the aid of laboratory or field researchers floundering helplessly under overwhelming gigabytes of unstructured raw data. With a characteristic charming and chipper cheerfulness, the book quickly guides the readers through finding/installing a UNIX system of any variety... Highly recommended."

F.E.J. Linton, emeritus, Wesleyan University, Choice Magazine

"Unix and Perl to the Rescue! is a book I highly recommend for all those students, post-docs, and academics who are scared of programming but can benefit immensely from the power of Unix and scripting languages. It's time to come out of your shell."

Dr MD Sharma, Genetics Society News

"Bradnam and Korf provide an intuitive and enjoyable volume that shows how to make the terminal window useful to scientists looking to build automation into data queries using UNIX and Perl scripting. With a thorough treatment of more than just the basics, this book fills a missing niche in the Perl and UNIX world with a focus on data processing. The authors have crafted a brilliant treatment of pattern searching with regular expressions to help the reader unleash some of the most powerful parts of the Perl programming language. For scientists looking to parse data files and extract the essential pieces this is a thorough and well explained complete with sprinkles of humor and biologically motivated examples."

Jason Stajich, University of California, Riverside

### About the Author

Keith Bradnam is a project scientist in the Genome Center at the University of California, Davis. He has extensive experience working with model organism databases and spent four years as a project leader at WormBase, helping to develop this important bioinformatics resource.

Ian Korf is an Associate Professor in Molecular and Cellular Biology at the University of California, Davis. His research seeks to understand structure and function in genomic DNA. He has developed new tools for gene prediction, co-authored the only book devoted to BLAST and helped in the development of BioPerl.

## **Users Review**

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