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The chapters guide the reader through: a complete beginners' course to programming in Python, with an introduction to computing jargon; descriptions of core bioinformatics methods with working Python examples; scientific computing techniques, including image analysis, statistics and machine learning.

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The chapters guide the reader through: a complete beginners'™ course to programming in Python, with an introduction to computing jargon; descriptions of core bioinformatics methods with working Python examples; scientific computing techniques, including image analysis, statistics and machine learning. This book also functions as a language reference written in straightforward English, covering the most common Python language elements and a glossary of computing and biological terms.

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Python for Bioinformatics provides a clear introduction to the Python programming language and instructs beginners on the development of simple programming exercises. Ideal for those with some knowledge of computer programming languages, this book emphasizes Python syntax and methodologies.

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The chapters guide the reader through: a complete beginners' course to programming in Python, with an introduction to computing jargon; descriptions of core bioinformatics methods with working Python examples; scientific computing techniques, including image analysis, statistics and machine learning. This book also functions as a language reference written in straightforward English, covering the most common Python language elements and a glossary of computing and biological terms.

Python Programming for Biology: Bioinformatics and Beyond

Stevens and Boucher (2015) take computational Biology in the widest sense of the term to write an extensive introduction to Python and provide an overview of its main scientific libraries.

(PDF) Book Review: Python Programming for Biology

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Python is an excellent language for scientists and can be used at many levels: Simple scripts for quick and dirty calculations, big programs implementing complex data models, taking advantage of its powerful libraries for number crunching or simply as "glue" to bind together more specialized modules written in C or Fortran.

Book Review: Python Programming for Biology

Python Programming for Biology Bioinformatics and Beyond Do you have a biological question that could be readily answered by computational techniques, but little experience in programming?

Python Programming for Biology Bioinformatics and Beyond

Discoveries in biology are driven as much by computer analysis as by laboratory work. Students learn the theory and practice of computer programming with emphasis on the practical techniques and problem solving

skills required to use computer programming in biological research. This course is taught completely online.

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