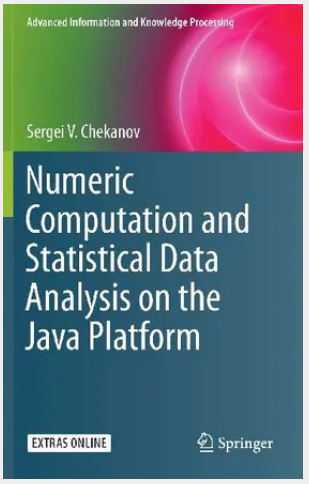
Chekanov

Numeric Computation and Statistical Data Analysis on the Java Platform



Numerical computation, knowledge discovery and statistical data analysis integrated with powerful 2D and 3D graphics for visualization are the key topics of this book. The Python code examples powered by the Java platform can easily be transformed to other programming languages, such as Java, Groovy, Ruby and BeanShell. This book equips the reader with a computational platform which, unlike other statistical programs, is not limited by a single programming language.

The author focuses on practical programming aspects and covers a broad range of topics, from basic introduction to the Python language on the Java platform (Jython), to descriptive statistics, symbolic calculations, neural networks, non-linear regression analysis and many other data-mining topics. He discusses how to find regularities in real-world data, how to classify data, and how to process data for knowledge discoveries. The code snippets are so short that they easily fit into single pages.

Numeric Computation and Statistical Data Analysis on the Java Platform is a great choice for those who want to learn how statistical data analysis can be done using popular programming languages, who want to integrate data analysis algorithms in full-scale applications, and deploy such calculations on the web pages or of It is an excellent solve real-world problems using a will be appreciated by many data-analysis scientists, engineers and students

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106,99 €
99,99 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9783319285290
Medium: Buch
ISBN: 978-3-319-28529-0
Verlag: Springer
Erscheinungstermin: 05.04.2016
Sprache(n): Englisch
Auflage: 1. Auflage 2016
Serie: Advanced Information and Knowledge Processing
Produktform: Gebunden
Gewicht: 10874 g
Seiten: 620
Format (B x H): 160 x 241 mm