

Open Source Software for Statistical Analysis of Big Data: Emerging Research and Opportunities

Part of the Advances in Computer and Electrical Engineering Book Series

Richard S. Segall (Arkansas State University, USA) and Gao Niu (Bryant University, USA)

Description:

With the development of computing technologies in today's modernized world, software packages have become easily accessible. Open source software, specifically, is a popular method for solving certain issues in the field of computer science. One key challenge is analyzing big data due to the high amounts that organizations are processing. Researchers and professionals need research on the foundations of open source software programs and how they can successfully analyze statistical data.



Open Source Software for Statistical Analysis of Big Data: Emerging Research and Opportunities provides emerging research exploring the theoretical and practical aspects of cost-free software possibilities for applications within data analysis and statistics with a specific focus on R and Python. Featuring coverage on a broad range of topics such as cluster analysis, time series forecasting, and machine learning, this book is ideally designed for researchers, developers, practitioners, engineers, academicians, scholars, and students who want to more fully understand in a brief and concise format the realm and technologies of open source software for big data and how it has been used to solve large-scale research problems in a multitude of disciplines.

ISBN: 9781799827689

Pages: 237

Copyright: 2020

Release Date: February, 2020

Hardcover: \$225.00

Softcover: \$170.00

E-Book: \$225.00

Hardcover + E-Book: \$270.00

Topics Covered:

Cluster Analysis

Data Analytics

Data Visualization

Fatality Rate Modeling

High Performance Computing

Machine Learning

Neural Networks

Python

R Programming

Statistical Coding

Time Series Forecasting

Subject: Computer Science and Information Technology

Classification: Research Insights

Readership Level: Advanced-Academic Level (Research Recommended)

Research Suitable for: Advanced Undergraduate Students; Graduate Students; Researchers; Academicians; Professionals; Practitioners

Order Information

Phone: 717-533-8845 x100

Toll Free: 1-866-342-6657

Fax: 717-533-8661 or 717-533-7115

Online Bookstore: www.igi-global.com

Mailing Address: 701 East Chocolate Avenue, Hershey, PA 17033, USA