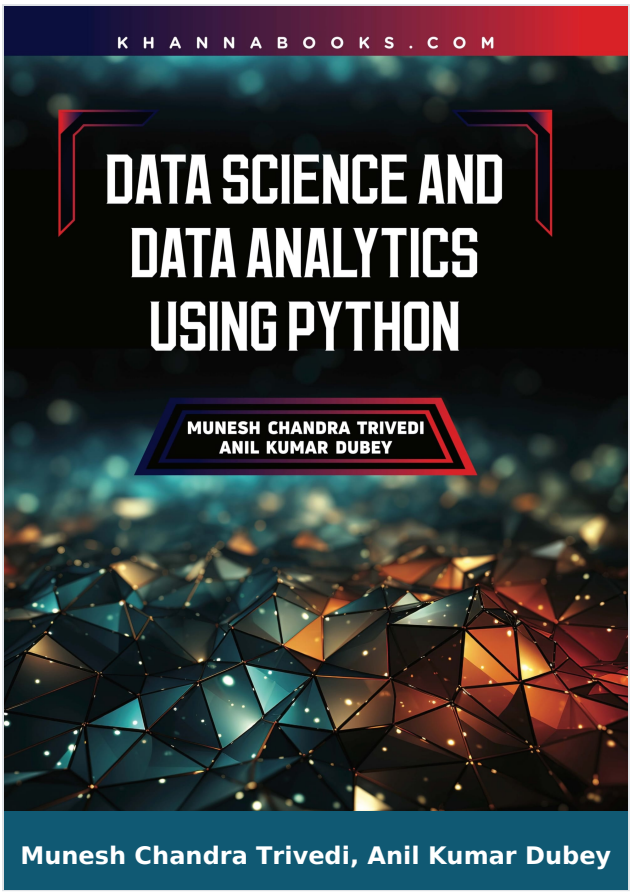

Data Science and Data Analytics Using Python

Author :	Munesh Chandra Trivedi, Anil Kumar Dubey
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Product Description

The book is a comprehensive guide that delves into the fundamentals of data science and analytics, leveraging, the python programming language. The covers key topics such as data manipulation, visualization, statistical analysis, and machine learning. It includes practical examples and code snippets to help readers understand and implement various data science techniques. Designed for both beginners and experienced practitioners, it provides a thorough understanding of how to use python for effective data analysis. The book also emphasizes real-world applications making it a valuable resource for those looking to apply data science skills in various domains.

SALIENT FEATLURES OF BOOK:

1. The textbook encompasses an extensive array of data science topics, including data pre-processing, visualization, statistical analysis, machine learning, with a pronounced emphasis on practical applications using python programming.

2. It integrates case studies derived from real-world scenarios alongside numerous exercises, facilitating hands-on practical experience.

3. The text provides details procedural guidance for implementing data science projects and explores various data visualization techniques utilizing libraries such as Matplotlib, Seaborne, and plotly.

4. It thoroughly examines a diverse range of machine learning algorithms and offers an introductory overview of deep learning concepts and frameworks, including Tensor flow, and Keras.

5. The textbook incorporates expert tips, bet practices, and focuses on high-demand skills, rendering it an invaluable resource for both novice and seasonal practitioners in the field of data science and analytics.

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Dr. Munesh Chandra Trivedi has more than 20 years of experience in the field of computer science & Engineering and has worked in Prestigious Institutions. He has more than 10 years' experience in various administrative responsibilities e.g., Dean (academics), Head of Department, TEQIP-111 Coordinator, PG coordinator, EDC cell Coordinator. Currently working Tripura, India, and Associate Professor and HoD (IT), Rajkiya Engineering College, Azamgarh, up (state Govt Institution of UP) with the additional responsibility of Dean Academics of the institute & Associate Dean UG Programs, Dr. APJ Abdul Kalam Technical University, Lucknow (State Technical University). He was also the Director (In-charge) at Rajkiya Engineering College,

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Azamgarh. He had successfully filed 81 patents (65 National and 16 International Patents (Germany, South Africa, and Australia)), out of which 40 patents were granted. He has published 12 textbooks and 168 research papers in different International Journals and proceedings of repute. He has also edited 38 books for springer Nature. He successfully supervised 14 PhD students and received numerous awards, including the Young scientist Visiting Fellowship, Albert Einstein Research scientist Award, Best senior Faculty Award, Outstanding Scientist, Dronacharya Award, Author of the Year, and vigyan Ratan award from different national, as well as international forums. He has organized more than 32 international conferences technically sponsored by IEEE, ACM, AND Springer. Dr.

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