

Springer

1st
edition1st ed. 2019, XVI, 79 p. 27
illus., 18 illus. in color.**Printed book**

Softcover

Printed book

Softcover

ISBN 978-981-13-3458-0

£ 49,99 | CHF 65,00 | 54,99 € |

60,49 € (A) | 58,84 € (D)

Available

Discount group

Science (SC)

Product category

Brief

Series

SpringerBriefs in Computer Science

Computer Science : Database Management

Khan, M., Jan, B., Farman, H., Sarhad University of Science and Information Technology, Peshawar, Pakistan

Deep Learning: Convergence to Big Data Analytics

- Offers an introduction to big data and deep learning
- Presents a unification of big data and deep learning techniques
- Provides an introductory level understanding of the new programming languages and tools used to analyze big data in real-time

This book presents deep learning techniques, concepts, and algorithms to classify and analyze big data. Further, it offers an introductory level understanding of the new programming languages and tools used to analyze big data in real-time, such as Hadoop, SPARK, and GRAPHX. Big data analytics using traditional techniques face various challenges, such as fast, accurate and efficient processing of big data in real-time. In addition, the Internet of Things is progressively increasing in various fields, like smart cities, smart homes, and e-health. As the enormous number of connected devices generate huge amounts of data every day, we need sophisticated algorithms to deal, organize, and classify this data in less processing time and space. Similarly, existing techniques and algorithms for deep learning in big data field have several advantages thanks to the two main branches of the deep learning, i.e. convolution and deep belief networks. This book offers insights into these techniques and applications based on these two types of deep learning. Further, it helps students, researchers, and newcomers understand big data analytics based on deep learning approaches. It also discusses various machine learning techniques in concatenation with the deep learning paradigm to support high-end data processing, data classifications, and real-time data processing issues. The classification and presentation are kept quite simple to help the readers and students grasp the basics concepts of various deep learning paradigms and frameworks. It mainly focuses on theory rather than the mathematical background of the deep learning concepts.

Order online at [springer.com/booksellers](https://www.springer.com/booksellers)**Springer Nature Customer Service Center GmbH**

Customer Service

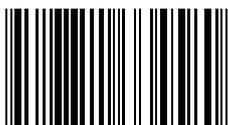
Tiergartenstrasse 15-17

69121 Heidelberg

Germany

T: +49 (0)6221 345-4301

row-booksellers@springernature.com



ISBN 978-981-13-3458-0 / BIC: UN / SPRINGER NATURE: SCI18024

Prices and other details are subject to change without notice. All errors and omissions excepted. Americas: Tax will be added where applicable. Canadian residents please add PST, QST or GST. Please add \$5.00 for shipping one book and \$ 1.00 for each additional book. Outside the US and Canada add \$ 10.00 for first book, \$5.00 for each additional book. If an order cannot be fulfilled within 90 days, payment will be refunded upon request. Prices are payable in US currency or its equivalent.

Part of **SPRINGER NATURE**