

# Deep Learning Innovations and Their Convergence With Big Data

Part of the Advances in Data Mining and Database Management Book Series

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## Description:

The expansion of digital data has transformed various sectors of business such as healthcare, industrial manufacturing, and transportation. A new way of solving business problems has emerged through the use of machine learning techniques in conjunction with big data analytics.

**Deep Learning Innovations and Their Convergence With Big Data** is a pivotal reference for the latest scholarly research on upcoming trends in data analytics and potential technologies that will facilitate insight in various domains of science, industry, business, and consumer applications. Featuring extensive coverage on a broad range of topics and perspectives such as deep neural network, domain adaptation modeling, and threat detection, this book is ideally designed for researchers, professionals, and students seeking current research on the latest trends in the field of deep learning techniques in big data analytics.



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## Topics Covered:

- Deep Auto-Encoders
- Deep Neural Network
- Domain Adaptation Modeling
- Multilayer Perceptron (MLP)
- Natural Language Processing (NLP)
- Restricted Boltzmann Machines (RBM)
- Threat Detection

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