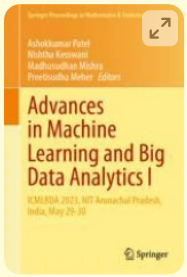

Advances in Machine Learning and Big Data Analytics I

ICMLBDA 2023, NIT Arunachal Pradesh, India, May 29–30

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Overview

Editors: Ashokkumar Patel, Nishtha Kesswani, Madhusudhan Mishra, Preetisudha Meher

- Provides researchers with tools to analyze and solve incomplete data
- Addresses potential aspects of machine learning techniques in simulations of applications
- Shows the powerful algorithms, concepts and principles of ML and BDA to a wide spectrum of research cases

Part of the book series: Springer Proceedings in Mathematics & Statistics (PROMS, volume 441)

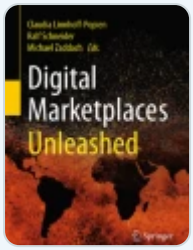
Included in the following conference series:

ICMLBDA: International Conference on Machine Learning and Big Data Analytics

Conference proceedings info: ICMLBDA 2023.

About this book

This edited volume on machine learning and big data analytics (Proceedings of ICMLBDA 2023, that was held on May 29-30, 2023 by NERIST and NIT Arunachal Pradesh India) is intended to be used as a reference book for researchers and professionals to share their research and reports of new technologies and applications in Machine Learning and Big Data Analytics like biometric Recognition Systems, medical diagnosis, industries, telecommunications, AI Petri Nets Model-Based Diagnosis, gaming, stock trading, Intelligent Aerospace Systems, robot control, law, remote sensing and scientific discovery agents and multiagent systems; and natural language and Web intelligence. The intent of this book is to provide awareness of algorithms used for machine learning and big data in the advanced Scientific Technologies, provide a correlation of multidisciplinary areas and become a point of great interest for Data Scientists, systems architects, developers, new researchers and graduate level students. This volume provides cutting-edge research from around the globe on this field. Current status, trends, future directions, opportunities, etc. are discussed, making it friendly for beginners and young researchers.



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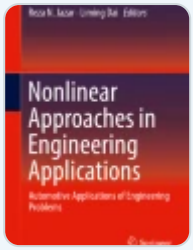

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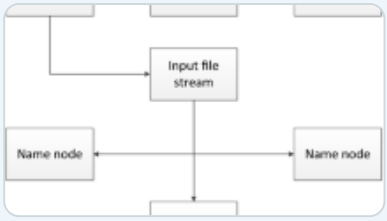

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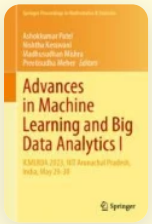

Advances in Machine Learning and Big Data Analytics I

(ICMLBDA 2023)

Ayan Banerjee, Rachana Das, Puja Kumari, Ankita, Syed Zahir Hasan & Sovan Bhattacharya

Part of the book series: Springer Proceedings in Mathematics & Statistics ((PROMS,volume 441))

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Abstract

The main objective of any educational institution is to provide students with the best education and knowledge possible. To do this, it is crucial to recognize the kids needing more help and take the necessary steps to raise their performance. In this chapter, we predicted how well students would perform on their GATE test on the first attempt. The linear regression machine learning (ML) model is our primary method for predicting the GATE score. We individually trained the models for each GATE CS paper's subjects. The earlier graduation marks for each topic are given special regard in this research. Now that we have analyzed our ML models for each subject based on their training and testing accuracy, we can conclude that the models for every individual subject give an accuracy of more than 90%. Hence, our approach and model can be implemented in real-time applications.

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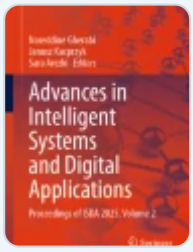

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