

Handbook of Research on Emerging Trends and Applications of Machine Learning

Part of the Advances in Computational Intelligence and Robotics Book Series

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Description:

As today's world continues to advance, Artificial Intelligence (AI) is a field that has become a staple of technological development and led to the advancement of numerous professional industries. An application within AI that has gained attention is machine learning. Machine learning uses statistical techniques and algorithms to give computer systems the ability to understand and its popularity has circulated through many trades. Understanding this technology and its countless implementations is pivotal for scientists and researchers across the world.

The **Handbook of Research on Emerging Trends and Applications of Machine Learning** provides a high-level understanding of various machine learning algorithms along with modern tools and techniques using Artificial Intelligence. In addition, this book explores the critical role that machine learning plays in a variety of professional fields including healthcare, business, and computer science. While highlighting topics including image processing, predictive analytics, and smart grid management, this book is ideally designed for developers, data scientists, business analysts, information architects, finance agents, healthcare professionals, researchers, retail traders, professors, and graduate students seeking current research on the benefits, implementations, and trends of machine learning.

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Topics Covered:

- Disease Identification
- Image Processing
- Natural Language Processing
- Personalized Treatment
- Predictive Analytics
- Risk Management
- Robotics
- Seismic Data Processing
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- Text Analysis

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