

Call for Book Chapters/Research Papers for Edited Books To be published with ISBN under IIP International publishers, USA and India Pattern Recognition with Machine Learning



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Last date for registration: 10th October2024

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Call for Chapters

Pattern Recognition with Machine Learning

Aims and Scope:

The purpose of the book "Pattern Recognition using Machine Learning" is mainly based on several main goals: standards, including the definition of standards in the literature and how they are validated for use. Machine learning technology for analysis. This will include supervised learning such as support vector machines (SVMs), decision trees, and neural networks, as well as unsupervised learning such as clustering and testing. Fields that use the information technology model. These range from image and speech recognition to natural language processing and biomedical applications. Pattern recognition in machine learning has many applications in many fields that use the ability to identify patterns and process data in an orderly manner to make decisions or predictions. In computer vision, it helps in object detection, facial recognition, and image classification. In natural language processing, it supports text classification, speech recognition, and sentiment analysis. Financial markets benefit from fraud detection, algorithmic trading, and risk assessment. Healthcare uses information models for diagnostics, predictive analytics, and genomics. Business applications include customer segmentation, recommendations, and predictions. Cyber security uses it for vulnerability detection, intrusion detection systems, and malware detection. Robotics technology relies on it to enable self-control, object control, and human-machine interaction. Environmental science applications include weather forecasting, climate modeling, and wildlife monitoring. Products include predictive maintenance, quality control, and supply chain optimization. In transportation, it helps in traffic management, driving, and optimization. Related technologies include supervised learning, unsupervised learning, incremental learning, and deep learning, and continue to evolve with advances in algorithms, computing power, and available materials. This expansion illustrates the evolution of the acceptance model in transforming the raw material into an agreement between different species.

List of Topics:

- Fundamentals of Pattern Recognition and Machine Learning
- Basics of Machine Learning and Its Algorithm
- Mathematical and Statistical Preliminaries for Pattern Recognition
- Pattern Recognition Techniques with Advanced Implementation
- Data preprocessing, analysis and visualization techniques
- Integration of Pattern Recognition with Machine Learning
- Case studies of successful Integration
- Future Trends and Challenges of Pattern Recognition
- The future of Machine Learning in enhancing Pattern Recognition
- Emerging Technologies in Machine Learning and Pattern Recognition

Author Benefits:

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