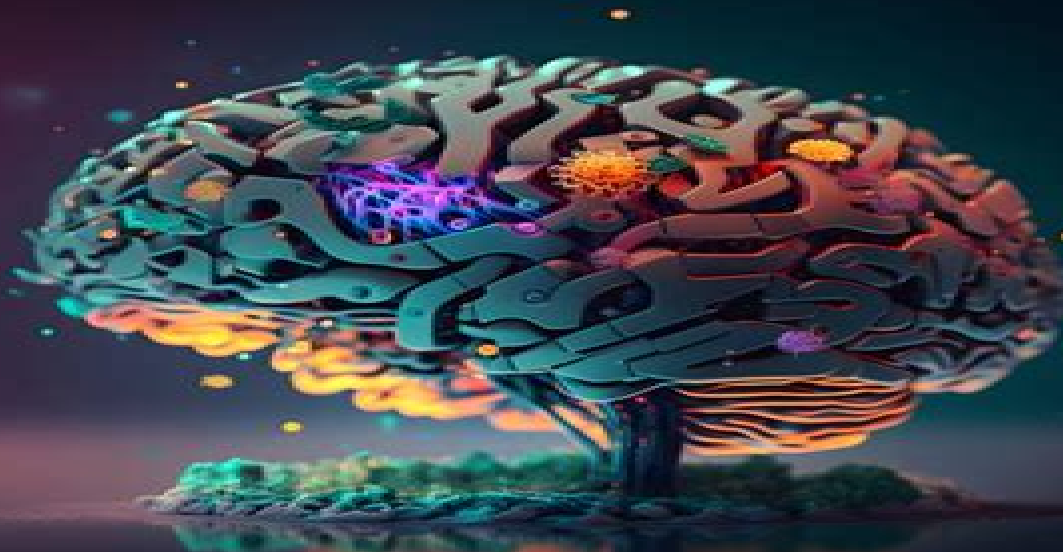


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Artificial Intelligence Applications in Battery Management Systems and Routing Problems in Electric Vehicles focuses on the integration of renewable energy sources with the existing grid introduces a power exchange scenario in the prevailing power market considers the use of the electric vehicle market for creating cleaner and transformative energy and optimizes the control variables with artificial intelligence techniques Covering key topics such as artificial intelligence smart grids and sustainable development this premier reference source is ideal for government officials industry professionals policymakers researchers scholars practitioners academicians instructors and students *Artificial Intelligence Applications in Water Treatment and Water Resource Management* Shikuku, Victor,2023-08-25 The emergence of a plethora of water contaminants as a result of industrialization has introduced complexity to water treatment processes Such complexity may not be easily resolved using deterministic approaches Artificial intelligence AI has found relevance and applications in almost all sectors and academic disciplines including water treatment and management AI provides dependable solutions in the areas of optimization suspect screening or forensics classification regression and forecasting all of which are relevant for water research and management Artificial Intelligence Applications in Water Treatment and Water Resource Management explores the different AI techniques and their applications in wastewater treatment and water management The book also considers the benefits challenges and opportunities for future research Covering key topics such as water wastage irrigation and energy consumption this premier reference source is ideal for computer scientists industry professionals researchers academicians scholars practitioners instructors and students *Artificial Intelligence Applications Using ChatGPT in Education: Case Studies and Practices* Aslam, Muhammad Shahzad,Nisar, Saima,2023-08-29 In the realm of education the challenge lies in effectively utilizing Artificial Intelligence to transform medical learning Artificial Intelligence Applications Using ChatGPT in Education Case Studies and Practices authored by Muhammad Shahzad Aslam and Saima Nisar offers insights into this issue With expertise in Medical and Health Education and Health Informatics the authors explore AI s potential in reshaping medical education Traditional medical education struggles to keep up with expanding knowledge and evolving medical science leaving educators and students overwhelmed by vast information Ethical concerns such as plagiarism further complicate matters A solution is needed that blends technology with effective teaching Artificial Intelligence Applications Using ChatGPT in Education Case Studies and Practices proposes such a solution By harnessing ChatGPT s capabilities as an AI chatbot the book suggests a self guided learning tool Backed by case studies the authors demonstrate how ChatGPT can become a personalized tutor helping students grasp complex medical concepts at their own pace The book also delves into the ethical aspects of AI integration ensuring responsible use in academia *Handbook of Research on Artificial Intelligence Applications in Literary Works and Social Media* Keikhosrokiani, Pantea,Pourya Asl, Moussa,2022-12-30 Artificial intelligence has been utilized in a diverse range of industries as more people and businesses discover its many uses and applications A current field of study that requires more attention as there is much opportunity for

improvement is the use of artificial intelligence within literary works and social media analysis The Handbook of Research on Artificial Intelligence Applications in Literary Works and Social Media presents contemporary developments in the adoption of artificial intelligence in textual analysis of literary works and social media and introduces current approaches techniques and practices in data science that are implemented to scrap and analyze text data This book initiates a new multidisciplinary field that is the combination of artificial intelligence data science social science literature and social media study Covering key topics such as opinion mining sentiment analysis and machine learning this reference work is ideal for computer scientists industry professionals researchers scholars practitioners academicians instructors and students **Handbook of**

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on Applied AI for International Business and Marketing Applications Christiansen, Bryan, Škrinjarčić, Tihana, 2020-09-25 Artificial intelligence AI describes machines computers that mimic cognitive functions that humans associate with other human minds such as learning and problem solving As businesses have evolved to include more automation of processes it has become more vital to understand AI and its various applications Additionally it is important for workers in the marketing industry to understand how to coincide with and utilize these techniques to enhance and make their work more efficient The Handbook of Research on Applied AI for International Business and Marketing Applications is a critical scholarly publication that provides comprehensive research on artificial intelligence applications within the context of international business Highlighting a wide range of topics such as diversification risk management and artificial intelligence this book is ideal for marketers business professionals academicians practitioners researchers and students **Advanced Analytics and**

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finally reached a stage where almost everyone in the world has access to these high technologies. However, this is just a starting phase because future development is taking a more advanced route in the shape of artificial intelligence (AI). Although AI is under the computer science umbrella, nowadays there is no field unaffected by this high technology. The overall aim of using intelligence learning methods is to train machines to think intelligently and make decisions in different situations the same as humans. Previously machines were doing what they were programmed to do, but now with AI devices can think and behave like a human being. This book aims to present the application of advanced analytics and AI in different industries as practical tools to develop prediction, optimization, and make decision models.

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