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Lingsheng Yao



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A Beginner's Guide to Generative AI Deepshikha Bhati, Fnu Neha, Angela Guercio, Md Amiruzzaman, Aloysius Bathi Kasturiarachi, 2025-08-22 This book is the essential guide for anyone curious about AI's creative power In the rapidly evolving landscape of artificial intelligence generative AI stands out as one of the most transformative technologies of our time Designed for beginners and requiring no prior knowledge of AI this book breaks down the fundamentals of generative AI from text and image generation to the workings of models like ChatGPT and Google Bard The authors provide step by step coverage of the essential concepts and techniques that power generative AI From the basics of how machines learn to generate text and images to the intricate workings of models like Transformers ChatGPT and Google Bard readers will gain a solid foundation in AI's most cutting edge tools Rather than focusing on a single method the authors introduce a spectrum of generative modeling techniques including diffusion models variational autoencoders and transformers This comprehensive exposure ensures readers will be well prepared to understand and adapt to the rapidly evolving AI landscape In addition real world applications of generative AI across various industries are explored including healthcare innovations business analytics and legal technology and the authors provide practical insights and examples that show how generative AI is revolutionizing these fields

A Comprehensive Guide to Earning Money with AI for Beginners Luke Thompson, 2025-07-02 AI Powered Income A Comprehensive Guide to Earning Money with AI for Beginners Step into the future of earning with AI Powered Income your essential guide to turning the power of artificial intelligence into real practical income streams Perfect for beginners and side hustlers this book breaks down exactly how people are using popular AI tools like ChatGPT Midjourney Canva and others to launch freelance services create and sell content start e-commerce stores automate YouTube channels

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Understanding Religion and Artificial Intelligence Randall Reed, Tracy J. Trothen, 2025-09-15 Is artificial intelligence just another tool or is it something more Special In *Understanding Religion and Artificial Intelligence Meaning Making in the Digital Age* Randall Reed and Tracy J Trothen delve into this provocative question revealing how our perceptions of AI are deeply intertwined with age old human impulses to define the extraordinary Introducing their innovative Model of the Special Reed and Trothen illuminate how individuals groups and cultures dynamically shape AI s meaning ranging from the mundane to the Sacred and Demonic Through compelling case studies from AI chatbots sport and art to self driving cars and Deadbots the authors explore how narratives of awe fear and even transcendence position AI as a truly Special thing in our modern world Drawing on insights from religious studies ethics and sociology this interdisciplinary exploration provides a crucial framework for understanding the profound societal ethical and spiritual implications of AI *Understanding Religion and Artificial Intelligence* invites readers to engage in vital conversations about AI s impact on meaning values and the very fabric of human experience in this rapidly evolving digital age Prepare to see AI and ourselves in a whole new light

Utilizing AI and Machine Learning in Financial Analysis Darwish, Dina, Kumar, Sanjeev, 2025-01-21 Machine learning models can imitate the cognitive process by assimilating knowledge from data and employing it to interpret and analyze information Machine learning methods facilitate the comprehension of vast amounts of data and reveal significant patterns incorporated within it This data is utilized to optimize financial business operations facilitate well informed judgements and aid in predictive endeavors Financial institutions utilize it to enhance pricing minimize risks stemming from human error mechanize repetitive duties and comprehend client behavior *Utilizing AI and Machine Learning in Financial Analysis* explores new trends in machine learning and artificial intelligence implementations in the financial sector It examines techniques in financial analysis using intelligent technologies for improved business services This book covers topics such as customer relations predictive analytics and fraud detection and is a useful resource for computer engineers security professionals business owners accountants academicians data scientists and researchers

Artificial Intelligence in Surgery: Understanding the Role of AI in Surgical Practice Daniel A. Hashimoto, Guy Rosman, Ozanan R. Meireles, 2021-03-08 Build a solid foundation in surgical AI with this engaging

comprehensive guide for AI novices Machine learning neural networks and computer vision in surgical education practice and research will soon be de rigueur Written for surgeons without a background in math or computer science Artificial Intelligence in Surgery provides everything you need to evaluate new technologies and make the right decisions about bringing AI into your practice Comprehensive and easy to understand this first of its kind resource illustrates the use of AI in surgery through real life examples It covers the issues most relevant to your practice including Neural Networks and Deep Learning Natural Language Processing Computer Vision Surgical Education and Simulation Preoperative Risk Stratification Intraoperative Video Analysis OR Black Box and Tracking of Intraoperative Events Artificial Intelligence and Robotic Surgery Natural Language Processing for Clinical Documentation Leveraging Artificial Intelligence in the EMR Ethical Implications of Artificial Intelligence in Surgery Artificial Intelligence and Health Policy Assessing Strengths and Weaknesses of Artificial Intelligence Research Finally the appendix includes a detailed glossary of terms and important learning resources and techniques all of which helps you interpret claims made by studies or companies using AI

IEEE Computer Society Workshop on Computer Architecture for Pattern Analysis and Image Database Management ,1985 *Computer Architecture for Pattern Analysis and Image Database Management* ,1981 **Computer Analysis of Images and Patterns** ,1999 *Generative AI Art* Oliver Theobald,2024-03-13 The course introduces the basic concepts of artificial intelligence and its application in art making it accessible even to those without a technical background This foundation paves the way for exploring the nuances of effective prompt crafting a critical skill for generating bespoke AI artwork The course focuses on hands on demonstrations with leading AI art software including Craiyon and Midjourney offering step by step guides to harness these tools effectively Through practical examples learners will understand how to navigate image prompts masking techniques framing and lighting to enhance the visual appeal of their creations The significance of navigating these elements is underscored highlighting their role in achieving consistency and originality in AI generated art The course wraps up by delving into the remixing of popular art styles the art of creating compelling text prompts and the critical aspects of image rights ethics privacy and originality in the digital art space By concluding with recommended resources learners are equipped to continue their journey in AI art fueled by inspiration and a solid understanding of the field s possibilities and responsibilities

AI Magazine ,1995 **Pattern Analysis** Ulf Grenander,1978 AI... ,2005 **1985 IEEE Computer Society Workshop on Computer Architecture for Pattern Analysis and Image Database Management, Miami Beach, Florida, November 18-20, 1985** ,1985 **American Journal of Mathematics** ,1924 The American Journal of Mathematics publishes research papers and articles of broad appeal covering the major areas of contemporary mathematics

PC AI ,1998 **Proceedings of the Fifth Annual Conference on AI, Simulation and Planning in High Autonomy Systems** ,1994 **The Electrician** ,1908 **Engineering Journal** ,1928 **Advances in AI and Simulation** Ranjeet J. Uttamsingh,A. Martin Wildberger,1989

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