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Advanced Computational Intelligence Methods for Processing Brain Imaging Data Kaijian Xia, Yizhang Jiang, Yu-Dong Zhang, Mohammad Khosravi, Yuanpeng Zhang, 2022-11-09 Dive Into DALL E: A Step-by-Step Tutorial for Crafting Unique and Engaging Visual Content Guido Van, 2024-03-16 Step Into DALL E is your step by step tutorial for crafting unique and engaging visual content with DALL E This book takes you on a journey through the world of DALL E providing practical

guidance and creative inspiration to help you create stunning visuals that captivate and inspire Whether you re a beginner or seasoned professional Dive Into DALL E offers hands on tutorials creative exercises and expert tips to help you master the art of image synthesis From basic techniques to advanced strategies this tutorial empowers you to dive deep into DALL E and unlock its full potential for creative expression and design Recent Advances in Computational Methods in Science and Technology Sukhpreet Kaur, Amanpreet Kaur, Manish Kumar, 2026-01-19 This proceedings compilation emerges from the exchange of research insights and innovative ideas among academicians researchers practitioners and students in the field of computer science This book gathers peer reviewed papers covering the most recent advances in Internet of Things IoT Cloud Computing Machine Learning Networking System Design and Methodologies Big Data Analytics and Applications ICT for Sustainable Environment and Artificial Intelligence It presents cutting edge developments that offer real time support and enhanced security solutions for advanced learners researchers and academicians This comprehensive resource can help promote translation of basic research into applied investigation and convert applied investigation into practice This compilation is expected to be of significant value to a diverse audience including researchers academicians undergraduate and postgraduate students research scholars professionals technologists and entrepreneurs Recent Advances in Big Data, Machine, and Deep Learning for Precision Agriculture Muhammad Fazal Ijaz, Marcin Wozniak, 2025-12-09 Precision agriculture can be defined as applying real time reliable information to optimize the use of resources and the management of farming practices minimizing environmental impacts With the evolution of remote sensing technologies big data that must be converted to information is being generated in the agricultural sector When analysed with machine and deep learning approaches applied to remote sensing products this data has been used successfully The computational power using cloud based systems and recent advances in farm machinery equipment providing data collection processing and analysis opens several opportunities to develop and adopt new technologies Large scale farm precision experimentation conducted in partnership with commercial farms and the appearance of new sensors on board UAVs crop duster airplanes and satellites such as radar technologies that allow daily remote data collection under cloudy skies are exciting and require more investigation In addition new equipment and sensors are enabling improved crop monitoring and land use mapping on a regional scale Recent advances in imaging and information technology have led to the massive production of digital images of plant specimens and living plants worldwide Computer vision and machine learning approaches are up and coming technologies to investigate and interpret digitized images of wild and domesticated taxa Deep learning technologies have been recently shown to achieve impressive performance on a variety of predictive tasks such as automated species identification trait detection and organ counting measurement and recognition The objective of this Research Topic is to explore how big data machine and deep learning algorithms are being applied to precision agriculture and plant health This topic will investigate how these tools could be used and improved in the future to aid food security mainly involving the

integration of state of the art technologies We hope to increase the recognition and accessibility of AI ML tools in agricultural and plant research This Research Topic will bring together researchers from diverse fields and specializations such as plant bioinformatics computer engineering computer science agricultural engineering environmental engineering food engineering information technology and mathematics This Research Topic welcomes diverse types of articles including original research reviews and perspective papers Potential topics include but are not limited to Big data machine and deep learning for plant and fruit disease classification Features optimization for plant disease classification Classification of plant types using big data machine and deep learning Recognition of plant and fruit diseases using big data machine and deep learning On farm precision experimentation Monitoring and surveillance using hyperspectral images Monitoring crop areas Convolutional Neural Network based fruit and crop disease detection Fusion of fully connected layers for classification of plant disease Selection of optimal features for plant disease Advanced Digital Technologies in Financial and Business Management Jyoti Batra Arora, Nitish Pathak, Neelam Sharma, 2025-07-11 This new book explores emerging new technologies for the development of business and finance sectors to strengthen economic growth and to facilitate the efficiency and creation of new and innovative business and finance management applications. The book covers state of the art technologies such as artificial intelligence and big data analytics in fintech and finance blockchain technology in the insurance industry the use of AI and data science in tax administration the growing use of 6G in industrial automation quantum machine learning in finance the merging of AI and blockchain in auditing and more Chapters explore the collaboration between humans and machines the application of data science and artificial intelligence in the retail sector and AI and data science in business services with a focus on enhancing efficiency and driving innovation **Proceedings of the Fourth Annual Artificial** Intelligence & Advanced Computer Technology Conference Murray Teitell, 1988 **Advanced Signal-processing** Algorithms, Architectures, and Implementations Franklin T. Luk, 1990 Abstracts of Photographic Science & Engineering Literature ,1972 Advanced Signal-processing Algorithms, Architectures, and Implementations ,1990 Advanced High-power Lasers Marek Osiński, Howard T. Powell, Koichi Toyoda, 2000 This work brings together a series of papers dealing with various aspects of advanced high power laser technology The Saturday Evening Post ,1904 The Current Digest of the Soviet Press ,1961 CAD/CAM Abstracts ,1992 AGARD Advisory Report ,1991 Electrical & Electronics Abstracts ,1997 Government Reports Announcements & Index ,1991 **Monthly Index** of Russian Accessions Library of Congress. Processing Department, 1967 Aeronautical Engineering, 1991 A selection of annotated references to unclassified reports and journal articles that were introduced into the NASA scientific and technical information system and announced in Scientific and technical aerospace reports STAR and International aerospace abstracts **IAA**

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