

deep neural networks in pdf

Deep learning (also known as deep structured learning or hierarchical learning) is part of a broader family of machine learning methods based on learning data representations, as opposed to task-specific algorithms.

Deep learning - Wikipedia

Time Series Classification from Scratch with Deep Neural Networks: A Strong Baseline Zhiguang Wang, Weizhong Yan GE Global Research fzhiguang.wang, yang@ge.com

Time Series Classification from Scratch with Deep Neural

In recent years, deep artificial neural networks (including recurrent ones) have won numerous contests in pattern recognition and machine learning.

Deep learning in neural networks: An overview - ScienceDirect

Abstract: Deep learning algorithms have been shown to perform extremely well on many classical machine learning problems. However, recent studies have shown that deep learning, like other machine learning techniques, is vulnerable to adversarial samples: inputs crafted to force a deep neural network (DNN) to provide adversary-selected outputs.

[1511.04508] Distillation as a Defense to Adversarial

In deep learning, a convolutional neural network (CNN, or ConvNet) is a class of deep neural networks, most commonly applied to analyzing visual imagery.

Convolutional neural network - Wikipedia

Neural Networks is the archival journal of the world's three oldest neural modeling societies: the International Neural Network Society (INNS), the...

Neural Networks - Journal - Elsevier

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Can FPGAs Beat GPUs in Accelerating Next-Generation Deep Neural Networks? Eriko Nurvitadhi¹, Ganesh Venkatesh¹, Jaewoong Sim¹, Debbie Marr¹, Randy Huang², Jason Gee Hock Ong², Yeong Tat Liew²,

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IEEE Transactions on Neural Networks and Learning Systems publishes technical articles that deal with the theory, design, and applications of neural networks and related learning systems.

IEEE Transactions on Neural Networks and Learning Systems

A Fast Learning Algorithm for Deep Belief Nets 1529 The inference required for forming a percept is both fast and accurate. The learning algorithm is local.

A Fast Learning Algorithm for Deep Belief Nets

Going Deeper with Convolutions Christian Szegedy¹, Wei Liu², Yangqing Jia³, Pierre Sermanet¹, Scott Reed³, Dragomir Anguelov¹, Dumitru Erhan³, Vincent Vanhoucke³, Andrew Rabinovich⁴

GoogLeNet Inception Deep Neural Network - Welcome to the

Intel's Myriad², X VPU is the third generation and most advanced VPU from Movidius², an Intel company. Intel's Myriad², X VPU is the first of it's class to feature the Neural Compute Engine - a dedicated hardware accelerator for deep neural network inferences.

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