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

Convolutional neural network - Wikipedia

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Neural networks, or more precisely artificial neural networks, are a branch of artificial intelligence. Multilayer perceptrons form one type of neural network as illustrated in the taxonomy in Fig. 1.

Artificial neural networks (the multilayer perceptron)â€™a

One of the earliest goals for computers was the automatic translation of text from one language to another. Automatic or machine translation is perhaps one of the most challenging artificial intelligence tasks given the fluidity of human language.

A Gentle Introduction to Neural Machine Translation

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The incremental learning derives its name from the incremental nature of the learning process. In incremental learning, all facets of knowledge receive a regular treatment, and there is a regular inflow of new knowledge that builds upon the past knowledge.

SuperMemo: Incremental learning - Super Memory: Forget

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

goes into designing effective losses. In other words, we still have to tell the CNN what we wish it to minimize. But, just like King Midas, we must be careful what we wish for!

Labels to Street Scene Labels to Facade BW to Color

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device as it can dramatically improve upon image classification and object detection speeds and capabilities. You may find that the Movidius is "just what you needed" to speedup network

Getting started with the Intel Movidius Neural Compute Stick

Sequence classification is a predictive modeling problem where you have some sequence of inputs over space or time and the task is to predict a category for the sequence.

Sequence Classification with LSTM Recurrent Neural

Title Authors Published Abstract Publication Details; Easy Email Encryption with Easy Key Management John S. Koh, Steven M. Bellovin, Jason Nieh

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