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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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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

A popular demonstration of the capability of deep learning techniques is object recognition in image data. The â€™hello worldâ€™ of object recognition for machine learning and deep learning is the MNIST dataset for handwritten digit recognition.

Handwritten Digit Recognition using Convolutional Neural

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

Automatic Handgun Detection Alarm in Videos Using Deep Learning Roberto Olmos 1, Siham Tabik , and Francisco Herrera1,2 1Soft Computing and Intelligent Information Systems research

Automatic Handgun Detection Alarm in Videos Using Deep

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Getting started with the Intel Movidius Neural Compute Stick

A gene (or genetic) regulatory network (GRN) is a collection of molecular regulators that interact with each other and with other substances in the cell to govern the gene expression levels of mRNA and proteins.

Gene regulatory network - Wikipedia

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