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# Neural Networks And Deep Learning

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Code samples for "Neural Networks and Deep Learning" This repository contains code samples for my book on "Neural Networks and Deep Learning". The code is written for Python 2.6 or 2.7. Michal Daniel Dobrzanski has a repository for Python 3 here.

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Deep learning is a subset of machine learning where neural networks — algorithms inspired by the human brain — learn from large amounts of data. Deep learning algorithms perform a task repeatedly and gradually improve the outcome, thanks to deep layers that enable

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Since 2006, a set of techniques has been developed that enable learning in deep neural nets. These deep learning techniques are based on stochastic gradient descent and backpropagation, but also introduce new ideas.

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Deep Neural Networks

Understand the key computations underlying deep learning, use them to build and train deep neural networks, and

apply it to computer vision. Hours to complete

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