John Stuart Mill  
   
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John Stuart Mill (20 May 1806 – 7 May 1873) was an English philosopher, political economist, politician  
and civil servant. One of the most influential thinkers in the history of liberalism and social liberalism, he  
contributed widely to social theory, political theory, and political economy. Dubbed "the most influential  
English-speaking philosopher of the nineteenth century" by the Stanford Encyclopedia of Philosophy,  
he conceived of liberty as justifying the

## Wikipedia Excerpt: Deep learning

In machine learning, deep learning focuses on utilizing multilayered neural networks to perform tasks such as classification, regression, and representation learning. The field takes inspiration from biological neuroscience and is centered around stacking artificial neurons into layers and "training" them to process data. The adjective "deep" refers to the use of multiple layers (ranging from three to several hundred or thousands) in the network. Methods used can be supervised, semi-supervised or unsupervised.  
Some common deep learning network architectures include fully connected networks, deep belief networks, recurrent neural networks, convolutional neural networks, generative adversarial networks, transformers, and neural radiance fields. These architectures have been applied to fields including computer vision, speech recognition, natural language processing, machine translation, bioinformatics, drug design, medical image analysis, climate science, material inspection and board ga