Dark energy  
   
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In physical cosmology and astronomy, dark energy is a proposed form of energy that affects the  
universe on the largest scales. Its primary effect is to drive the accelerating expansion of the universe.  
It also slows the rate of structure formation. Assuming that the lambda-CDM model of cosmology is  
correct, dark energy dominates the universe, contributing 68% of the total energy in the present-day  
observable universe while dark matter and ordinary (baryonic) matter cont

## 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