California gold rush  
   
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The California gold rush (1848–1855) was a gold rush in California, which began on January 24, 1848,  
when gold was found by James W. Marshall at Sutter's Mill in Coloma, California. The news of gold  
brought approximately 300,000 people from the rest of the United States and abroad to California,  
which had recently been conquered from Mexico. The sudden influx of gold into the money supply  
reinvigorated the American economy; the sudden population increa

## 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