South Africa  
   
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South Africa, officially the Republic of South Africa (RSA), is the southernmost country in Africa. Its nine  
provinces are bounded to the south by 2,798 kilometres (1,739 miles) of coastline that stretches along  
the South Atlantic and Indian Ocean; to the north by the neighbouring countries of Namibia, Botswana,  
and Zimbabwe; to the east and northeast by Mozambique and Eswatini; and it encloses Lesotho.  
Covering an area of 1,221,037 square kilometres (471,445 square m

## 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