Statistics  
   
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Statistics (from German: Statistik, orig. "description of a state, a country") is the discipline that concerns  
the collection, organization, analysis, interpretation, and presentation of data. In applying statistics to a  
scientific, industrial, or social problem, it is conventional to begin with a statistical population or a  
statistical model to be studied. Populations can be diverse groups of people or objects such as "all  
people living in a country" or "every atom compo

## 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