

WHAT EVEN IS DEEP LEARNING?

Deep Learning is a kind of machine learning that uses artificial neural networks

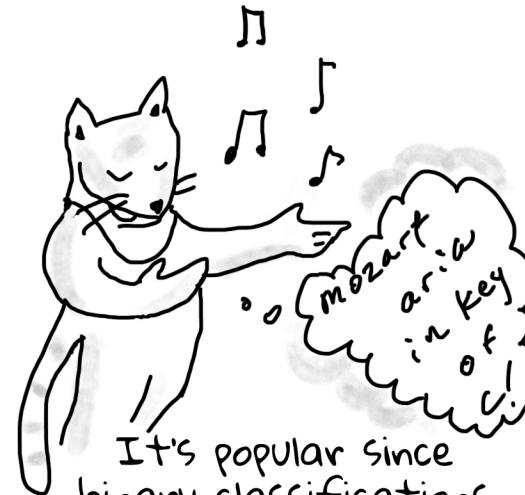


- neuron gets inputs, sums output, and transmits
- weights - increase or decrease strength of synapse
- biases - helps shift the function towards a weighted
- activation function - determine output

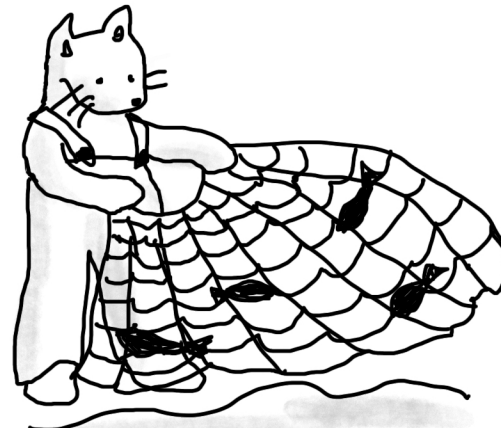
Deep Learning works well for computer vision, language processing, and audio recognition



It's popular since binary classifications are too simplistic for some tasks and a more sophisticated decision making system is often necessary



This type of system includes Recurrent Neural Networks and Convolutional Neural Networks



Its structure includes multiple layers that try to transform inputs into increasingly precise representations

