weMinsky and Papert – Simple Neural networks cannot “solve” XOR problem

HW6

*Instructions*

Creating own patterns from multivariate normal distribution

Design a neural network to solve the XOR problem

Create your own training patters

Design NN to solve your own network

Keras does not regard inputs as a layer, but as paramters fed into the first layer

Softmax activation function garauntees activations of layer sum to 1

Cannot use linear activation function (with however many layers) to solve problem that requires more computational complexity

Make sure to shuffle training pattern

How do error signals run back from 3rd layer to the first (biologically?)

GPUs are used for fast matrix manipulation (move around in 3d spaces)

Sony PlayStation used for Military