Your Name	
Your UnetID	

Artificial Neurons:

The activation value for a single artificial neuron using a logistic activation function is $a = \frac{1}{1+e^{-(\sum_i w_i x_i + b)}}$. Where else have we seen this equation? Do you believe that we can use artificial neurons for regression (predicting continuous output)?

The dark side of accuracy:

Regularizing artificial neural networks

Many methods have been proposed to regularize neural network, including 'Dropout'. Dropout randomly sets a subset of weights temporarily to zero during training. How might this help prevent over-training