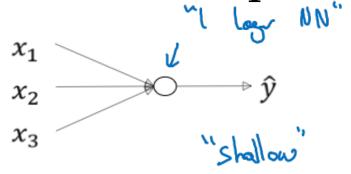


deeplearning.ai

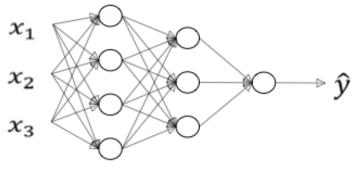
Deep Neural Networks

Deep L-layer Neural network Over the last several years the AI or the machine learning community has realized that there are functions that very deep neural network can learn that shallower models are often unable to

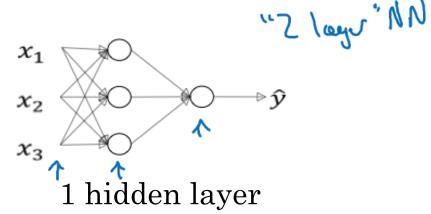
What is a deep neural network?

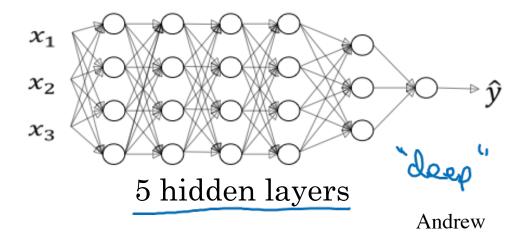


logistic regression



2 hidden layers





Deep neural network notation 4 late W x_2 X = 0[0] [= 4 (#layers) N (1) = 5 , N (2) = 5 , N (2) = 3 , N (24) = N [1] = 1 n [1] = funts in layer & $a^{(e)} = autinotions$ in leger $a^{(e)} = autinotions$ and $a^{(e)} = autinotions$ in leger $a^{(e)} = autinotion$ in leger $a^{(e)} =$ Andrew