

Setting up your optimization problem

Gradient Checking

Gradient check for a neural network

Take $W^{[1]}$, $b^{[1]}$, ..., $W^{[L]}$, $b^{[L]}$ and reshape into a big vector θ .

Take $dW^{[1]}$, $db^{[1]}$, ..., $dW^{[L]}$, $db^{[L]}$ and reshape into a big vector $d\theta$.

Is do the gratet of J(0)?

For each
$$\bar{c}$$
:

$$\frac{1}{2} \frac{1}{2} \frac$$

Andrew Ng

J (6) = J (0,, 0, 0,