

deeplearning.ai

## Deep Neural Networks

Parameters vs Hyperparameters

## What are hyperparameters?

```
Parameters: W^{[1]}, b^{[1]}, W^{[2]}, b^{[2]}, W^{[3]}, b^{[3]}...

- learning rate of Midden layers \rightarrow L

Midden with \rightarrow n^{(1)}, n^{(2)}...

Midden with \rightarrow n^{(1)}, n^{(2)}...

Choice of Archivation function of Schull descent iterations in gradient descent iterations, minibatch size, regularizations

- momentum, minibatch size, regularizations
```

## Applied deep learning is a very empirical process

