ML Week   0x07c   Backpropagation

Rétropropagation du gradient

Chain rule:

- théorème de dérivation des fonctions composées

- règle de dérivation en chaîne

- règle de la chaîne

Problem

- We know we can make non-linear decision boundaries with deep networks

- Different features at different levels

Algorithm

- Consider 1, 2, then n neurons. Note that it's an optimisation problem.

- Naive (what everyone thinks of first): hill climbing feed-forward.

- Solution: hill climbing with errors going backwards

- Explain about black boxing successive layers and computing previous hidden layers

- Note that we don't compute node values, only weights!