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networks. Part 1 is about ideas. We introduce the mathematical ideas underlying the neural networks, gently with lots of illustrations and examples. Part 2 is practical.

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Networks' – same subject but  
different title.

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Yes, our neural network will

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recognize cats. Classic, but it's a good way to learn the basics! Your first neural network. The objective is to build a neural network that will take an image as an input and output whether it is a cat picture or not.

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Feel free to grab the entire notebook and the dataset here. It also contains some useful ...

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Step-by-step Guide to Building Your Own Neural

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Network . . .

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explain how neural networks operate. By the end, you will know how to build your own flexible, learning network, similar to Mind.

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Mind: How to Build a Neural

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is that  $y$  is trying to minimise  $f$  by moving down the gradient, but  $x$  is trying to maximise  $f$  by moving up the gradient.

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How to build a simple neural  
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Arduino Neural Network

Robot: This instructable is based on a 3 Part series I made for the Make YouTube Channel which shows you exactly how to prototype, design, assemble, and program, your own Arduino

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neural network robot. After watching the full series, you should have a bette...

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Arduino Neural Network Robot  
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Network. You will learn the basic concepts of building a model as well as the mathematical explanation behind Neural Network and based on that; you will build one from scratch (in Python).

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You'll remember from Make

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the objective function. The reason we have different signs in these update rules is that  $y$  is trying to minimise  $f$  by moving down the gradient, but  $x$  is trying to maximise  $f$  by

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