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You'll learn to code in Python and make your own neural network, teaching it to recognise human handwritten numbers, and performing as well as professionally developed 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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Despite what it says at the top of the page, this book is NOT 'Make Your Own Neural Network.' That is another book entirely, and by a different author. This book's name is 'Neural Networks' - same subject but different title.

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Yes, our neural network will 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. Feel free to grab the entire notebook and the dataset here. It also contains some useful ...

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Mind: How to Build a Neural Network (Part One)
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