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- Neural Networks and Deep Learning What this book is about On the exercises and problems
- Using neural nets to recognize handwritten digits
- ▶ How the backpropagation algorithm works
- Improving the way neural networks learn
- ▶ A visual proof that neural nets can compute any function
- ▶ Why are deep neural networks hard to train?
- Deep learning
 Appendix: Is there a *simple*algorithm for intelligence?
 Acknowledgements
 Frequently Asked Questions

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The book is currently a beta release, and is still under active development. Please send error reports to mn@michaelnielsen.org. For other enquiries, please see the FAQ first.

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