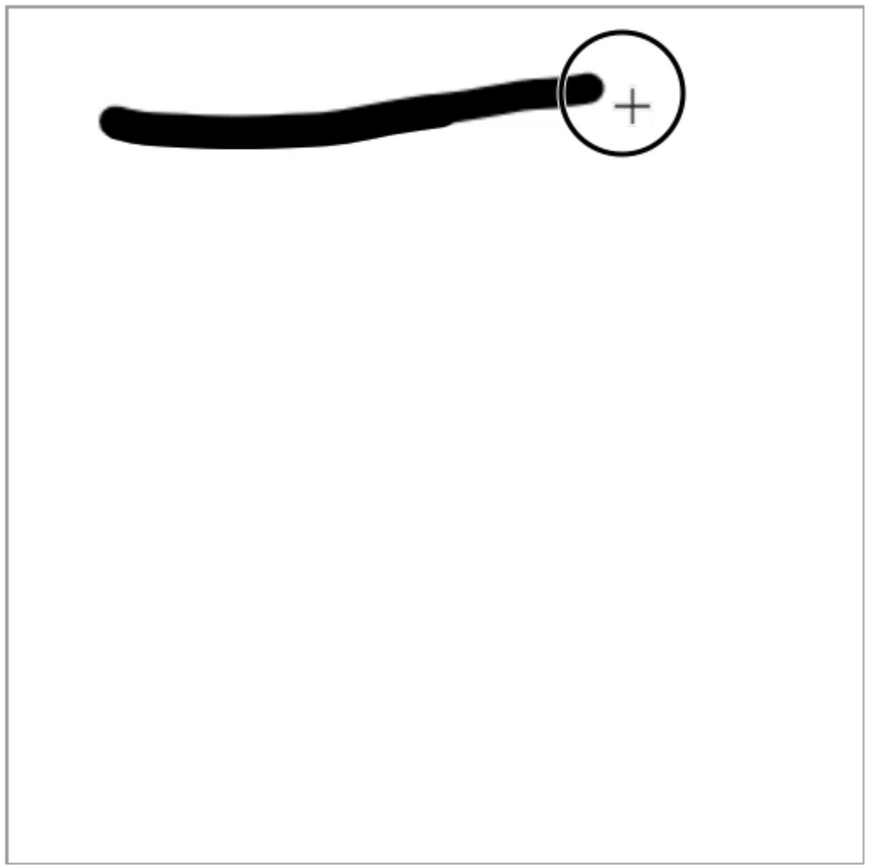
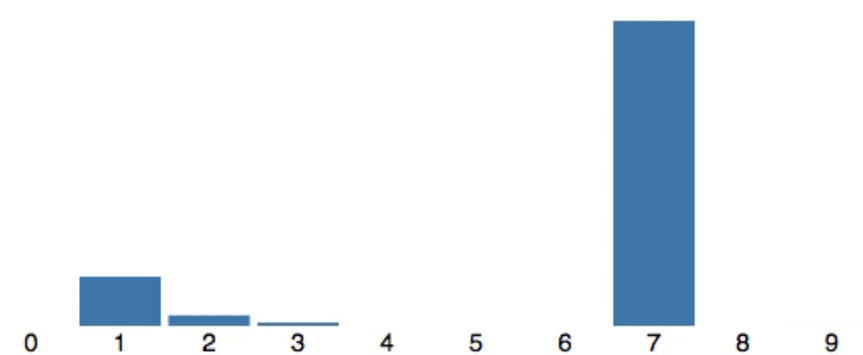
TensorFlow.js + MNIST

Draw a digit by hand and have it classified in real time, as you draw, by a machine learning model trained against the MNIST dataset. The model used for this page is a convolutional neural network (CNN) built using Keras/TensorFlow on a Google Tensor Processing Unit (TPU). It's explained in depth and is available for you to build for yourself at bit.ly/mco-mnist-lab).



Draw a single digit (0-9) in the empty box.

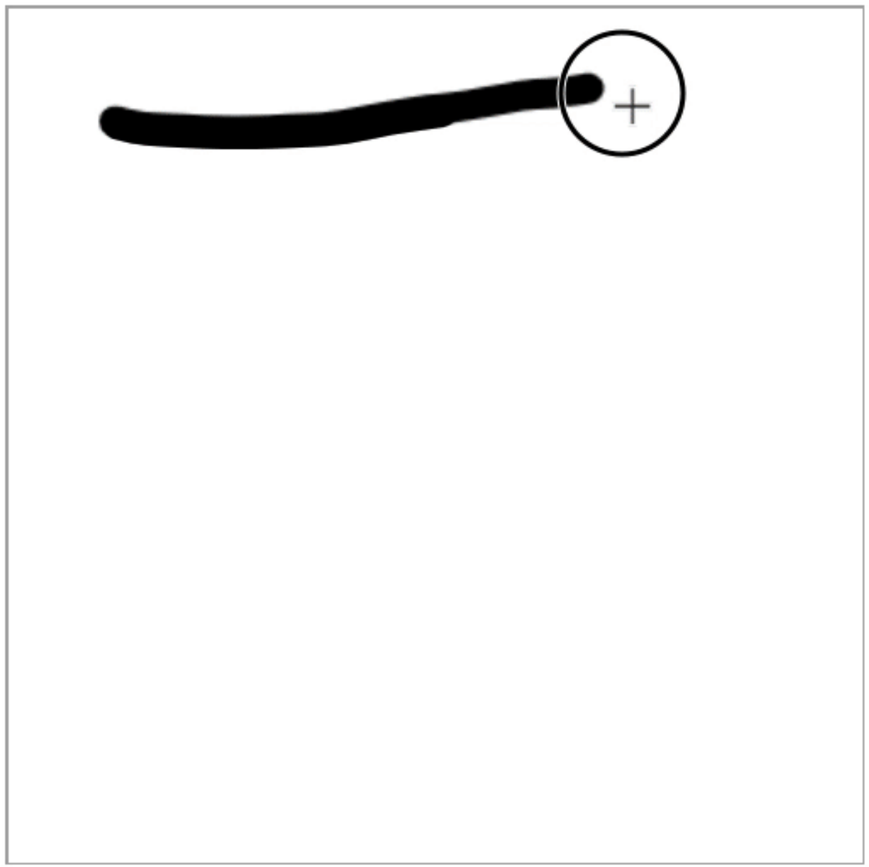
Clear



Made with ♥ by Marc.

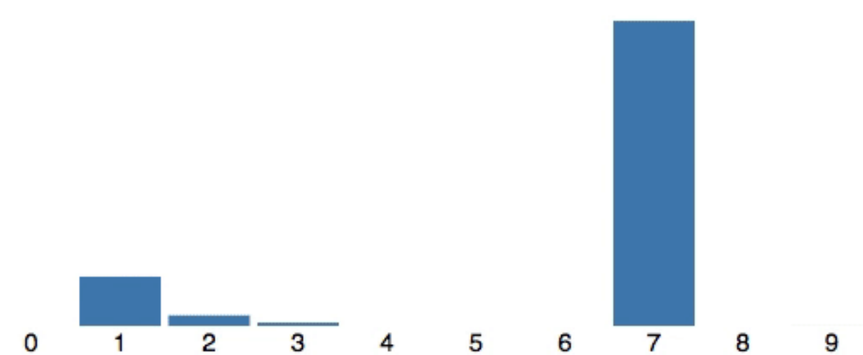
TensorFlow.js + MNIST

Draw a digit by hand and have it classified in real time, as you draw, by a machine learning model trained against the MNIST dataset. The model used for this page is a convolutional neural network (CNN) built using Keras/TensorFlow on a Google Tensor Processing Unit (TPU). It's explained in depth and is available for you to build for yourself at bit.ly/mco-mnist-lab).



Draw a single digit (0-9) in the empty box.

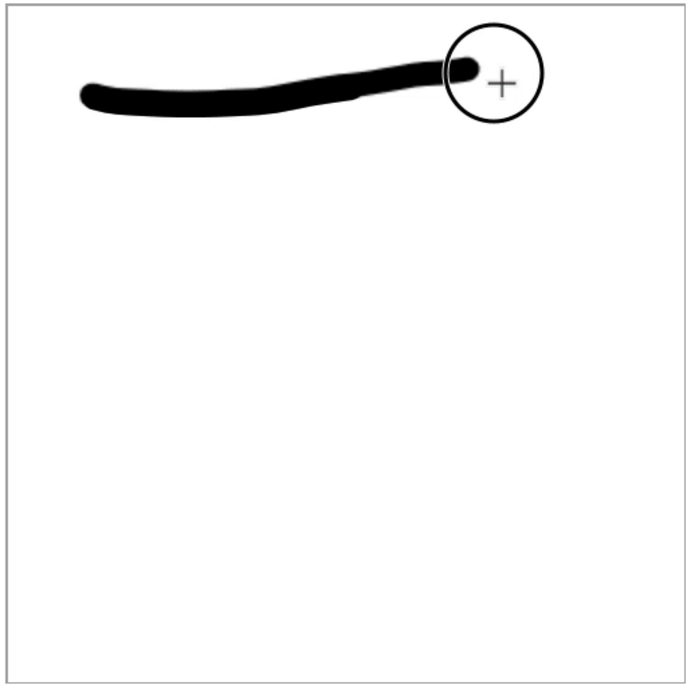
Clear



Made with ♥ by Marc.

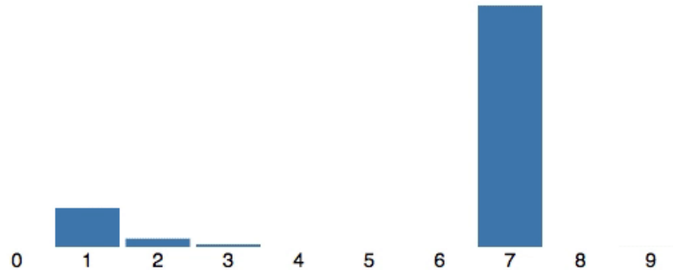
TensorFlow.js + MNIST

Draw a digit by hand and have it classified in real time, as you draw, by a machine learning model trained against the MNIST dataset. The model used for this page is a convolutional neural network (CNN) built using Keras/TensorFlow on a Google Tensor Processing Unit (TPU). It's explained in depth and is available for you to build for yourself at bit.ly/mco-mnist-lab).

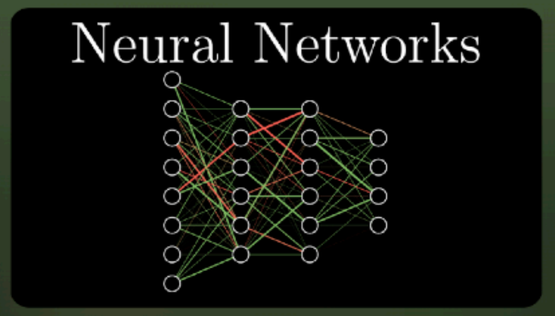


Draw a single digit (0-9) in the empty box.

Clear



Made with ♥ by Marc.



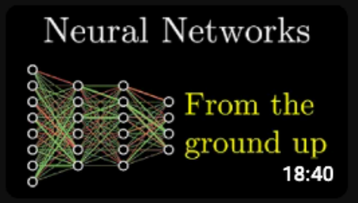
Neural networks

3Blue1Brown · Course

7 videos Updated today

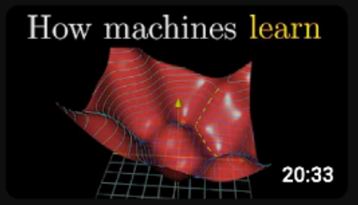
Play Comments

Learn the basics of neural networks and backpropagation, one of the most important algorithms for the modern world.

1 

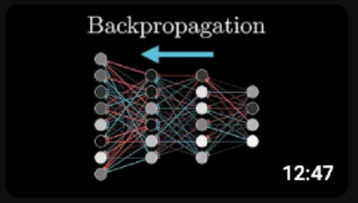
But what is a neural network? | Chapter 1, Deep learning

3Blue1Brown • 17M views • 7 years ago

2 

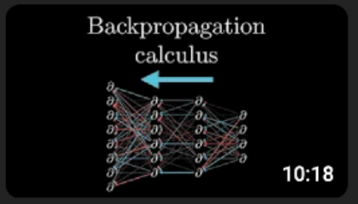
Gradient descent, how neural networks learn | Chapter 2, Deep learning

3Blue1Brown • 7.1M views • 7 years ago

3 

What is backpropagation really doing? | Chapter 3, Deep learning

3Blue1Brown • 4.6M views • 6 years ago

4 

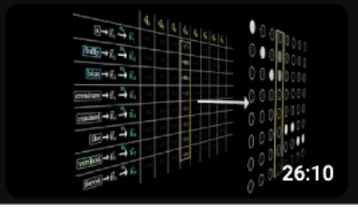
Backpropagation calculus | Chapter 4, Deep learning

3Blue1Brown • 2.9M views • 6 years ago

5

How large language models work, a visual intro to transformers | Chapter 5, Deep Learning

3Blue1Brown • 3.3M views • 6 months ago

6 

Attention in transformers, visually explained | Chapter 6, Deep Learning

3Blue1Brown • 1.7M views • 6 months ago