

Building a neural network from scratch

Digit Recognizer

example code:

<https://www.kaggle.com/code/wwsalmon/simple-mnist-nn-from-scratch-numpy-no-tf-keras/notebook>

other resources:

<https://github.com/iwatake2222/pico-mnist/tree/master>



GitHub - iwatake2222/pico-mnist: Number recognition with MNIST on Raspberry Pi Pico + TensorFlow Lite ...

https://github.com/code2k13/rpipico_digit_classification



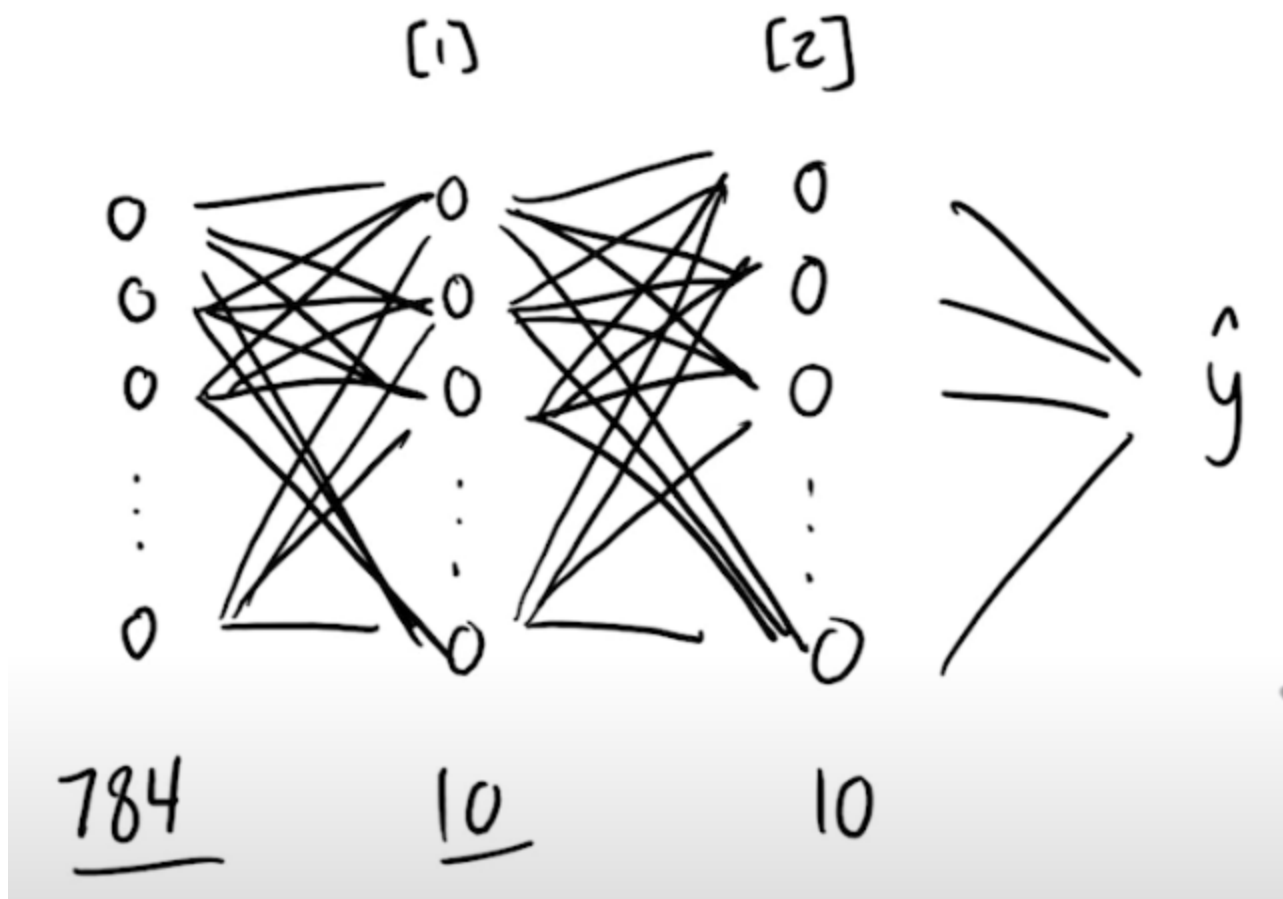
GitHub - code2k13/rpipico_digit_classification: Identification of handwritten digit from images taken by a O...

3-layer neural network:

input layer: 784 units, (28*28) pixels,

hidden layer: 10 units

ouput layer: 10 units



download MNIST

<https://www.kaggle.com/datasets/oddrational/mnist-in-csv>

 MNIST in CSV • www.kaggle.com

How To Plot MNIST Digits Using Matplotlib.ipynb

<https://github.com/MrDataScience/tutorials/blob/master/Data/MNIST/How%20To%20Plot%20MNIST%20Digits%20Using%20Matplotlib.ipynb>

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