

# Classical Neural Network Classification On MNIST Handwritten Digit Dataset

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October 13, 2021

# MNIST Handwritten Digit Dataset

the dataset contains an  $X$  vector of 28x28 images that each contain a single digit



Digit\_0.jpg

## preprocessing

To preprocess the data for the neural network, I scaled the values in the images down from an integer value of 0 - 255 to a float value between 0 - 1