

# Handwritten Digit Recognition Report

## MNIST Dataset Description

MNIST Dataset Overview:

- Name: MNIST (Modified National Institute of Standards and Technology)
- Total Images: 70,000 (60,000 training + 10,000 testing)
- Image Size: 28x28 pixels
- Color: Grayscale
- Classes: Digits 0 through 9 (10 classes)
- Format: Each image is a 28x28 numpy array with labels as integers (0-9)
- Usage: Widely used for handwritten digit recognition and deep learning model benchmarking.