

Data Appendix

Project 3

Group 2 MEE

Image Detection Using MNIST Database from Keras Package

X_combined	<p>Concatenated from X_train and X_test loaded directly from the MNIST database.</p> <p>Contains a list of arrays representing each of the 70,000 images in the database. Each array contains 784 numbers (28 x 28 pixels in each image). Numbers range from 0-255, visualizing a grayscale color of each pixel. Pixels are able to be analyzed to classify each array as a certain digit 0-9.</p>
y_combined	<p>Concatenated from y_train and y_test loaded directly from the MNIST database.</p> <p>Contains 1 array with 70,000 entries representing the actual digit that each image should represent, 0-9. Is used as the response variable for classification.</p>