

Assignment 2

Shuai Shao

Train/val/test split percentage:

70%/20%/10%

Selected model:

Fully connected neural network with single hidden layer, LeakyReLU activation function and Adam optimizer. 20 epochs of training.

Hyperparameter tuning:

Grid search:

Number of nodes in hidden layer (100, 150, 200, 250).

Learning rate of optimizer (0.001, 0.005, 0.01, 0.05).

Best hyperparameters:

100 hidden nodes, 0.001 learning rate.

Test set accuracy:

69.83% (unlocked RNG seed).