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Hyper
Shell
Shell

(py37) PS C:\Users\Nathan Rosenberg\ws\CS453X-Homework\homework6> python .\homework6_narosenberg_mhwestwater.py
2.0162718726571143e-06
Hidden: 50 Learning Rate: 0.01 Batch Size: 64, Epochs: 100 Lambda: 0.5
Final loss: 0.2341285017352797
Final accuracy: 0.98828
Hidden: 30 Learning Rate: 0.005 Batch Size: 64, Epochs: 25 Lambda: 0.3
Final loss: 0.2825624191483518
Final accuracy: 0.98489
Hidden: 50 Learning Rate: 0.1 Batch Size: 32, Epochs: 25 Lambda: 0.7
Final loss: 0.41873051806244366
Final accuracy: 0.97651
Hidden: 40 Learning Rate: 0.05 Batch Size: 64, Epochs: 25 Lambda: 0.5
Final loss: 0.23638495406119336
Final accuracy: 0.98764
Hidden: 50 Learning Rate: 0.01 Batch Size: 64, Epochs: 100 Lambda: 0.3
Final loss: 0.18447040334535061
Final accuracy: 0.99058
Hidden: 30 Learning Rate: 0.001 Batch Size: 64, Epochs: 25 Lambda: 0.3
Final loss: 0.4135329742525255
Final accuracy: 0.97886
Hidden: 30 Learning Rate: 0.1 Batch Size: 16, Epochs: 200 Lambda: 0.3
Final loss: 0.44198352642667615
Final accuracy: 0.97322
Hidden: 50 Learning Rate: 0.5 Batch Size: 128, Epochs: 50 Lambda: 0.7
Final loss: 0.2815773869113789
Final accuracy: 0.98332
Hidden: 50 Learning Rate: 0.05 Batch Size: 16, Epochs: 200 Lambda: 0.1
Final loss: 0.21640674003993546
Final accuracy: 0.98844
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Best parameters:
Hidden: 30 Learning Rate: 0.5 Batch Size: 64, Epochs: 25 Lambda: 0.1
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Training on best:
Final loss: 0.1516674638110248
Final accuracy: 0.99121
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