Batch\_Size and Epochs Optimization

Best: 0.811640 using {'epochs': 100, 'batch\_size': 20}

0.810340 (0.001590) with: {'epochs': 10, 'batch\_size': 10}

0.811200 (0.002053) with: {'epochs': 50, 'batch\_size': 10}

0.810790 (0.002105) with: {'epochs': 100, 'batch\_size': 10}

0.796040 (0.020313) with: {'epochs': 10, 'batch\_size': 20}

0.808100 (0.002011) with: {'epochs': 50, 'batch\_size': 20}

0.811640 (0.000825) with: {'epochs': 100, 'batch\_size': 20}

0.791320 (0.024758) with: {'epochs': 10, 'batch\_size': 40}

0.811040 (0.001576) with: {'epochs': 50, 'batch\_size': 40}

0.811390 (0.001497) with: {'epochs': 100, 'batch\_size': 40}

Optimizer Optimization

Best: 0.812230 using {'optimizer': 'Adamax'}

0.809560 (0.001546) with: {'optimizer': 'SGD'}

0.810070 (0.001634) with: {'optimizer': 'RMSprop'}

0.808610 (0.000907) with: {'optimizer': 'Adagrad'}

0.811390 (0.001464) with: {'optimizer': 'Adadelta'}

0.811450 (0.001946) with: {'optimizer': 'Adam'}

0.812230 (0.001123) with: {'optimizer': 'Adamax'}

0.809060 (0.003557) with: {'optimizer': 'Nadam'}

Learn Rate Optimization

Best: 0.811570 using {'learn\_rate': 0.01}

0.811550 (0.001587) with: {'learn\_rate': 0.001}

0.811570 (0.000190) with: {'learn\_rate': 0.01}

0.809560 (0.001546) with: {'learn\_rate': 0.1}

0.809560 (0.001546) with: {'learn\_rate': 0.2}

0.809560 (0.001546) with: {'learn\_rate': 0.3}

Activaton Function Optimization

Best: 0.812400 using {'activation': 'relu'}

0.810190 (0.001646) with: {'activation': 'softmax'}

0.811010 (0.001255) with: {'activation': 'softplus'}

0.810210 (0.001717) with: {'activation': 'softsign'}

0.812400 (0.001063) with: {'activation': 'relu'}

0.810270 (0.001693) with: {'activation': 'tanh'}

0.810370 (0.001500) with: {'activation': 'sigmoid'}

0.810340 (0.001420) with: {'activation': 'hard\_sigmoid'}

0.809890 (0.001498) with: {'activation': 'linear'}