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开始超参数调优实验...

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巡浜不回沙凶楙的影局...

,训练模型: Ir=0.0001, optimizer=Adam

,测试准确率: 0.9894, 训练时间: 234.29秒

/ 训练模型: lr=0.001, optimizer=Adam

测试准确率: 0.9906, 训练时间: 235.13秒

训练模型: lr=0.01, optimizer=Adam

0 测试准确率: 0.1135, 训练时间: 244.31秒

1 训练模型: lr=0.1, optimizer=Adam 2 测试准确率: 0.0974, 训练时间: 242.34秒

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|4 | 测试不同优化器的影响 (lr=0.001)...

5 训练模型: lr=0.001, optimizer=SGD

|6 | 测试准确率: 0.9842, 训练时间: 220.22秒

17 训练模型: lr=0.001, optimizer=RMSprop

18 测试准确率: 0.9924, 训练时间: 223.77秒

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ス つ	52 - 招参数分析图曰/星左到 recults/figures/hyperparameter analysis png

植参数分析图已朱仔到 resuits/πgures/nyperparameter_analysis.png

54 最佳超参数组合

5 学习率: 0.001

6 优化器: RMSprop 7 测试准确率: 0.9924

20

59 超参数调优总时间: 1400.70 秒 (23.35 分钟)

实验日志已保存到 results/logs/hyperparameter_log.json

6

52 Process finished with exit code 0

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