

测试结果:

[Test]Begin testing...

[Test]Testing completed!

[Test]loss:0.0629230272567288, score:0.9806

训练过程:

[Train]Begin training...

0%| | 1/1563 [00:00<08:26, 3.08it/s]epoch:1, iter:0

train_loss:3.635646183539706, train_score:0.0625

valid_loss:4.632694155543837, valid_score:0.2095

6%|█| 95/1563 [00:01<00:22, 65.61it/s]epoch:1, iter:100

train_loss:0.16962328952276834, train_score:0.9375

valid_loss:0.34828082627291973, valid_score:0.8927

13%|██| 198/1563 [00:03<00:20, 66.02it/s]epoch:1, iter:200

train_loss:0.32079009207882747, train_score:0.84375

valid_loss:0.30860968410138295, valid_score:0.9074

19%|███| 299/1563 [00:05<00:19, 65.01it/s]epoch:1, iter:300

train_loss:0.3115131630893039, train_score:0.90625

valid_loss:0.2352278899518661, valid_score:0.9252

26%|████| 401/1563 [00:07<00:25, 44.83it/s]epoch:1, iter:400

train_loss:0.2143171787336672, train_score:0.9375

valid_loss:0.23563819049297927, valid_score:0.9255

32%|█████| 502/1563 [00:09<00:23, 44.47it/s]epoch:1, iter:500

train_loss:0.2062202609034563, train_score:0.9375

valid_loss:0.2222384461370833, valid_score:0.9306

38%|██████| 596/1563 [00:10<00:14, 65.93it/s]epoch:1, iter:600

train_loss:0.295263575002262, train_score:0.96875

valid_loss:0.2101665409384866, valid_score:0.9344

45%|███████| 697/1563 [00:12<00:13, 66.59it/s]epoch:1, iter:700

train_loss:0.14025983497608033, train_score:0.96875

valid_loss:0.16623608388619956, valid_score:0.9499

51%|████████| 798/1563 [00:14<00:11, 67.50it/s]epoch:1, iter:800

train_loss:0.12163094395346533, train_score:0.9375

valid_loss:0.16867741407248482, valid_score:0.947

58%|█████████| 901/1563 [00:16<00:15, 43.83it/s]epoch:1, iter:900

train_loss:0.06862138810020234, train_score:0.96875
valid_loss:0.1872546120751464, valid_score:0.9443

64%|██████████| | 996/1563 [00:17<00:08, 66.27it/s]epoch:1, iter:1000
train_loss:0.17796052851963026, train_score:0.9375
valid_loss:0.18421213282399085, valid_score:0.9444

70%|██████████| | 1101/1563 [00:20<00:11, 41.84it/s]epoch:1, iter:1100
train_loss:0.10545265481810795, train_score:1.0
valid_loss:0.20254897314019796, valid_score:0.9376

77%|██████████| | 1201/1563 [00:21<00:08, 43.46it/s]epoch:1, iter:1200
train_loss:0.09220119702575694, train_score:0.96875
valid_loss:0.14600649375059055, valid_score:0.9555

83%|██████████| | 1302/1563 [00:23<00:06, 42.69it/s]epoch:1, iter:1300
train_loss:0.09796005456194394, train_score:0.9375
valid_loss:0.17277571744926912, valid_score:0.9498

89%|██████████| | 1396/1563 [00:25<00:02, 64.44it/s]epoch:1, iter:1400
train_loss:0.2279554412965651, train_score:0.9375
valid_loss:0.14801371790643003, valid_score:0.9541

96%|██████████| | 1496/1563 [00:27<00:01, 63.25it/s]epoch:1, iter:1500
train_loss:0.14948245135931376, train_score:0.96875
valid_loss:0.1694710414623057, valid_score:0.9489

100%|██████████| | 1563/1563 [00:28<00:00, 54.67it/s]
Best score has been updated:0.00000->0.95370

0%| | | 1/1563 [00:00<06:55, 3.76it/s]epoch:2, iter:0
train_loss:0.13828519840571987, train_score:0.96875
valid_loss:0.16274386399123672, valid_score:0.9512

6%|█ | | 100/1563 [00:01<00:21, 66.53it/s]epoch:2, iter:100
train_loss:0.13945451333220094, train_score:0.96875
valid_loss:0.12761294328463518, valid_score:0.9626

13%|██ | | 201/1563 [00:03<00:31, 43.49it/s]epoch:2, iter:200
train_loss:0.08244335787653162, train_score:0.9375
valid_loss:0.15002157539946065, valid_score:0.9561

19%|███ | | 295/1563 [00:05<00:19, 65.57it/s]epoch:2, iter:300
train_loss:0.016456085605952804, train_score:1.0
valid_loss:0.15787493479722076, valid_score:0.9554

25%|██████| | 398/1563 [00:07<00:17, 65.63it/s]epoch:2, iter:400
train_loss:0.26624457224049386, train_score:0.90625
valid_loss:0.1562155958437703, valid_score:0.955

32%|██████| | 500/1563 [00:09<00:15, 67.66it/s]epoch:2, iter:500
train_loss:0.06907057906594548, train_score:0.96875
valid_loss:0.132868583387613, valid_score:0.9595

38%|██████| | 596/1563 [00:10<00:14, 65.74it/s]epoch:2, iter:600
train_loss:0.023975265996572213, train_score:1.0
valid_loss:0.14435109276399763, valid_score:0.9575

45%|██████| | 698/1563 [00:12<00:12, 67.46it/s]epoch:2, iter:700
train_loss:0.2798311314009806, train_score:0.90625
valid_loss:0.137732353799123, valid_score:0.9568

51%|██████| | 801/1563 [00:14<00:17, 42.90it/s]epoch:2, iter:800
train_loss:0.0050305296810361395, train_score:1.0
valid_loss:0.12570869238329316, valid_score:0.9632

57%|██████| | 895/1563 [00:16<00:10, 65.86it/s]epoch:2, iter:900
train_loss:0.2437446617282263, train_score:0.9375
valid_loss:0.17280112193062147, valid_score:0.9478

64%|██████| | 998/1563 [00:17<00:08, 66.37it/s]epoch:2, iter:1000
train_loss:0.2861956043279297, train_score:0.96875
valid_loss:0.14617440918128458, valid_score:0.9572

70%|██████| | 1101/1563 [00:20<00:10, 44.23it/s]epoch:2, iter:1100
train_loss:0.006245528831206362, train_score:1.0
valid_loss:0.11347281259970951, valid_score:0.9648

77%|██████| | 1196/1563 [00:21<00:05, 66.45it/s]epoch:2, iter:1200
train_loss:0.15452614373580367, train_score:0.96875
valid_loss:0.13414211687805422, valid_score:0.9616

83%|██████| | 1298/1563 [00:23<00:03, 67.43it/s]epoch:2, iter:1300
train_loss:0.184495934841701, train_score:0.96875
valid_loss:0.11777142044596015, valid_score:0.9644

90%|██████| | 1402/1563 [00:25<00:03, 44.17it/s]epoch:2, iter:1400
train_loss:0.045029874740371574, train_score:0.96875
valid_loss:0.1411070633811008, valid_score:0.9588

96%|██████████████████| 1498/1563 [00:26<00:00, 65.92it/s]epoch:2, iter:1500
train_loss:0.05452551542619485, train_score:0.9375
valid_loss:0.16914119936310823, valid_score:0.9506

100%|██████████████████| 1563/1563 [00:28<00:00, 55.35it/s]
0%| | 1/1563 [00:00<07:14, 3.59it/s]epoch:3, iter:0
train_loss:0.08818194677563644, train_score:0.96875
valid_loss:0.13845644053448816, valid_score:0.9616

6%|█| 101/1563 [00:02<00:33, 44.20it/s]epoch:3, iter:100
train_loss:0.0013960853023969773, train_score:1.0
valid_loss:0.10232104358718756, valid_score:0.9706

13%|██| 202/1563 [00:03<00:31, 43.49it/s]epoch:3, iter:200
train_loss:0.37055973393462593, train_score:0.9375
valid_loss:0.09700924403082982, valid_score:0.9717

19%|███| 297/1563 [00:05<00:19, 65.23it/s]epoch:3, iter:300
train_loss:0.017128783663522204, train_score:1.0
valid_loss:0.09388096060612144, valid_score:0.9725

25%|████| 398/1563 [00:07<00:17, 67.28it/s]epoch:3, iter:400
train_loss:0.01679760383023516, train_score:1.0
valid_loss:0.09143730505577198, valid_score:0.9742

32%|█████| 499/1563 [00:09<00:15, 66.99it/s]epoch:3, iter:500
train_loss:0.06709883510676483, train_score:0.96875
valid_loss:0.08915744509534079, valid_score:0.9743

38%|██████| 595/1563 [00:10<00:14, 65.12it/s]epoch:3, iter:600
train_loss:0.12649473259578564, train_score:0.9375
valid_loss:0.08780207093583672, valid_score:0.9751

45%|███████| 697/1563 [00:12<00:13, 65.47it/s]epoch:3, iter:700
train_loss:0.023806611970625932, train_score:1.0
valid_loss:0.08578838594604885, valid_score:0.9749

51%|████████| 798/1563 [00:14<00:11, 68.01it/s]epoch:3, iter:800
train_loss:0.006649320183526612, train_score:1.0
valid_loss:0.0862321252814778, valid_score:0.9753

58%|█████████| 899/1563 [00:16<00:09, 67.49it/s]epoch:3, iter:900
train_loss:0.037691248021726846, train_score:0.96875

valid_loss:0.08525813604467283, valid_score:0.9757

64%|██████████| | 997/1563 [00:18<00:08, 66.48it/s]epoch:3, iter:1000
train_loss:0.01304354807212113, train_score:1.0
valid_loss:0.08523244696312922, valid_score:0.9756

70%|██████████| | 1098/1563 [00:19<00:06, 68.92it/s]epoch:3, iter:1100
train_loss:0.005714611895096494, train_score:1.0
valid_loss:0.08404783065362624, valid_score:0.9757

77%|██████████| | 1200/1563 [00:21<00:05, 66.96it/s]epoch:3, iter:1200
train_loss:0.008659490864064473, train_score:1.0
valid_loss:0.08232199413960298, valid_score:0.9756

83%|██████████| | 1301/1563 [00:23<00:06, 43.48it/s]epoch:3, iter:1300
train_loss:0.01063223657162303, train_score:1.0
valid_loss:0.08070943824381577, valid_score:0.9768

89%|██████████| | 1396/1563 [00:25<00:02, 66.77it/s]epoch:3, iter:1400
train_loss:0.01505139926388674, train_score:1.0
valid_loss:0.07864104201165122, valid_score:0.9778

96%|██████████| | 1498/1563 [00:27<00:00, 67.44it/s]epoch:3, iter:1500
train_loss:0.006875194949845654, train_score:1.0
valid_loss:0.0775357401039524, valid_score:0.9781

100%|██████████| | 1563/1563 [00:28<00:00, 55.03it/s]
Best score has been updated:0.95370->0.97790

0%| | | 1/1563 [00:00<06:04, 4.28it/s]epoch:4, iter:0
train_loss:0.007508218522354229, train_score:1.0
valid_loss:0.07781061661483045, valid_score:0.9774

6%|█| | 95/1563 [00:01<00:22, 66.25it/s]epoch:4, iter:100
train_loss:0.0018732838162168603, train_score:1.0
valid_loss:0.07845403766969367, valid_score:0.9774

13%|██| | 197/1563 [00:03<00:20, 66.39it/s]epoch:4, iter:200
train_loss:0.050136184365549376, train_score:0.96875
valid_loss:0.07940806256919465, valid_score:0.9773

19%|███| | 300/1563 [00:05<00:18, 67.91it/s]epoch:4, iter:300
train_loss:0.017046718099346676, train_score:1.0
valid_loss:0.07966545670451178, valid_score:0.9774

25%|██████| | 396/1563 [00:07<00:17, 65.16it/s]epoch:4, iter:400
train_loss:0.1000694682821304, train_score:0.96875
valid_loss:0.07858344095270575, valid_score:0.9778

32%|██████| | 498/1563 [00:08<00:15, 67.58it/s]epoch:4, iter:500
train_loss:0.004675994644710934, train_score:1.0
valid_loss:0.07798130199220742, valid_score:0.9784

39%|██████| | 602/1563 [00:10<00:21, 44.58it/s]epoch:4, iter:600
train_loss:0.023895995325115323, train_score:1.0
valid_loss:0.07698492410509983, valid_score:0.9779

45%|██████| | 697/1563 [00:12<00:13, 65.53it/s]epoch:4, iter:700
train_loss:0.0008268543737064589, train_score:1.0
valid_loss:0.07758199092136366, valid_score:0.9782

51%|██████| | 797/1563 [00:14<00:11, 66.49it/s]epoch:4, iter:800
train_loss:0.046432012672954964, train_score:0.96875
valid_loss:0.07708539642095061, valid_score:0.9776

57%|██████| | 898/1563 [00:16<00:09, 67.58it/s]epoch:4, iter:900
train_loss:0.009979978118443332, train_score:1.0
valid_loss:0.07602166072229832, valid_score:0.9779

64%|██████| | 1000/1563 [00:17<00:08, 66.21it/s]epoch:4, iter:1000
train_loss:0.022709907617853468, train_score:1.0
valid_loss:0.07648150292743057, valid_score:0.9782

70%|██████| | 1101/1563 [00:19<00:10, 44.00it/s]epoch:4, iter:1100
train_loss:0.017204658629092394, train_score:1.0
valid_loss:0.07626031732531129, valid_score:0.9786

77%|██████| | 1196/1563 [00:21<00:05, 65.63it/s]epoch:4, iter:1200
train_loss:0.006096749865802822, train_score:1.0
valid_loss:0.0757506343843938, valid_score:0.9782

83%|██████| | 1298/1563 [00:23<00:03, 67.71it/s]epoch:4, iter:1300
train_loss:0.03054595836484055, train_score:1.0
valid_loss:0.07694100197201048, valid_score:0.9779

90%|██████| | 1401/1563 [00:25<00:03, 44.38it/s]epoch:4, iter:1400
train_loss:0.2101060958681423, train_score:0.96875
valid_loss:0.07658230809400912, valid_score:0.9777

96%|██████████████████| 1495/1563 [00:26<00:01, 65.85it/s]epoch:4, iter:1500
train_loss:0.02876988611812909, train_score:1.0
valid_loss:0.07522830706308567, valid_score:0.9782

100%|██████████████████| 1563/1563 [00:28<00:00, 55.53it/s]
Best score has been updated:0.97790->0.97850
0%| | 1/1563 [00:00<05:47, 4.49it/s]epoch:5, iter:0
train_loss:0.003753746125604105, train_score:1.0
valid_loss:0.07370125404004366, valid_score:0.9787

6%|█| 101/1563 [00:02<00:33, 43.01it/s]epoch:5, iter:100
train_loss:0.01308038633811615, train_score:1.0
valid_loss:0.07356641773058555, valid_score:0.9786

13%|██| 196/1563 [00:03<00:20, 65.60it/s]epoch:5, iter:200
train_loss:0.04519965371632054, train_score:0.96875
valid_loss:0.07338948791182777, valid_score:0.9788

19%|███| 297/1563 [00:05<00:19, 65.97it/s]epoch:5, iter:300
train_loss:0.003689916675929365, train_score:1.0
valid_loss:0.07339804105334667, valid_score:0.9788

25%|████| 398/1563 [00:07<00:17, 67.48it/s]epoch:5, iter:400
train_loss:0.00482766475893628, train_score:1.0
valid_loss:0.07350753876890387, valid_score:0.9789

32%|█████| 501/1563 [00:09<00:24, 43.82it/s]epoch:5, iter:500
train_loss:0.004242667674547355, train_score:1.0
valid_loss:0.07350087462533976, valid_score:0.9791

38%|██████| 594/1563 [00:10<00:14, 66.21it/s]epoch:5, iter:600
train_loss:0.0025495339424283538, train_score:1.0
valid_loss:0.07337281361529227, valid_score:0.979

45%|███████| 697/1563 [00:12<00:13, 65.28it/s]epoch:5, iter:700
train_loss:0.011631225754546955, train_score:1.0
valid_loss:0.07339122194772212, valid_score:0.979

51%|████████| 800/1563 [00:14<00:11, 67.67it/s]epoch:5, iter:800
train_loss:0.011305800015253251, train_score:1.0
valid_loss:0.07337881961085405, valid_score:0.979

57%|█████████| 896/1563 [00:16<00:10, 66.50it/s]epoch:5, iter:900
train_loss:0.03018571462988405, train_score:1.0

valid_loss:0.07326420636043911, valid_score:0.9791

64%|██████████ | 1000/1563 [00:17<00:08, 68.08it/s]epoch:5, iter:1000
train_loss:0.038332074589452855, train_score:0.96875
valid_loss:0.07318110244085761, valid_score:0.979

70%|██████████ | 1100/1563 [00:19<00:07, 65.75it/s]epoch:5, iter:1100
train_loss:0.030495261911354397, train_score:0.96875
valid_loss:0.07322425911353675, valid_score:0.9788

77%|██████████ | 1199/1563 [00:21<00:05, 66.97it/s]epoch:5, iter:1200
train_loss:0.02174106739477537, train_score:1.0
valid_loss:0.07323744271276893, valid_score:0.9787

83%|██████████ | 1295/1563 [00:23<00:04, 66.30it/s]epoch:5, iter:1300
train_loss:0.01716376767067763, train_score:1.0
valid_loss:0.07320932138046789, valid_score:0.9787

89%|██████████ | 1398/1563 [00:25<00:02, 67.69it/s]epoch:5, iter:1400
train_loss:0.006215966710455649, train_score:1.0
valid_loss:0.07310296567844665, valid_score:0.9792

96%|██████████ | 1502/1563 [00:27<00:01, 43.75it/s]epoch:5, iter:1500
train_loss:0.0805218611825726, train_score:0.96875
valid_loss:0.07309967600352558, valid_score:0.9793

100%|██████████ | 1563/1563 [00:28<00:00, 55.41it/s]
Best score has been updated:0.97850->0.97910
[Train]Training completed! Total time:142.05270099639893
[Test]Begin testing...
[Test]Testing completed!
[Test]loss:0.0629230272567288, score:0.9806