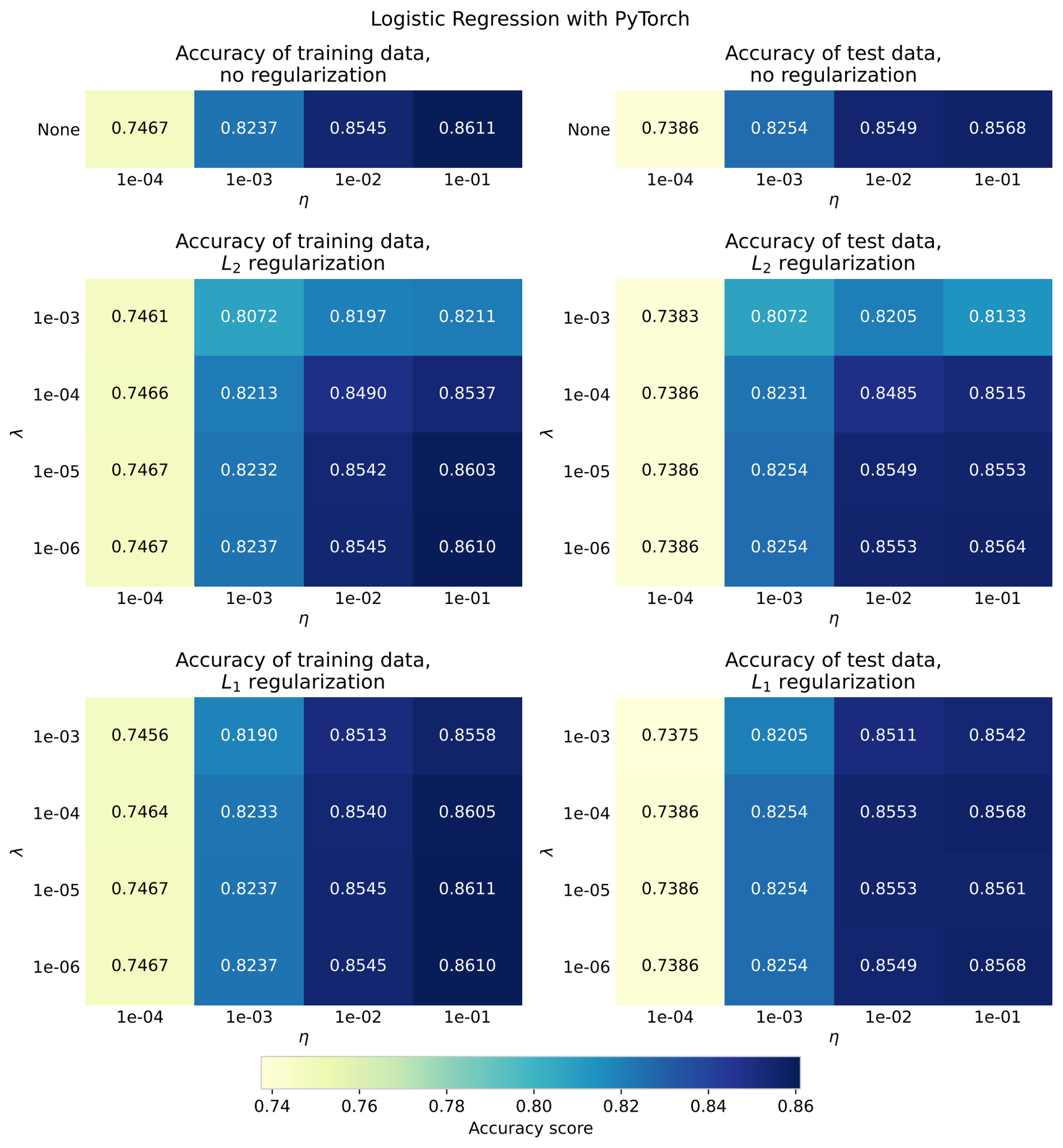
Logistic Regression with PyTorch
Accuracy of training data, no regularization
None
0.7467
0.8237
0.8545
0.8611
1e-04
1e-03
1e-02
1e-01
η
Accuracy of test data, no regularization
None
0.7386
0.8254
0.8549
0.8568
1e-04
1e-03
1e-02
1e-01
η
Accuracy of training data, L_2 regularization
λ
1e-03
0.7461
0.8072
0.8197
0.8211
1e-04
0.7466
0.8213
0.8490
0.8537
1e-05
0.7467
0.8232
0.8542
0.8603
1e-06
0.7467
0.8237
0.8545
0.8610
1e-04
1e-03
1e-02
1e-01
η
Accuracy of test data, L_2 regularization
λ
1e-03
0.7383
0.8072
0.8205
0.8133
1e-04
0.7386
0.8231
0.8485
0.8515
1e-05
0.7386
0.8254
0.8549
0.8553
1e-06
0.7386
0.8254
0.8553
0.8564
1e-04
1e-03
1e-02
1e-01
η
Accuracy of training data, L_1 regularization
λ
1e-03
0.7456
0.8190
0.8513
0.8558
1e-04
0.7464
0.8233
0.8540
0.8605
1e-05
0.7467
0.8237
0.8545
0.8611
1e-06
0.7467
0.8237
0.8545
0.8610
1e-04
1e-03
1e-02
1e-01
η
Accuracy of test data, L_1 regularization
λ
1e-03
0.7375
0.8205
0.8511
0.8542
1e-04
0.7386
0.8254
0.8553
0.8568
1e-05
0.7386
0.8254
0.8553
0.8561
1e-06
0.7386
0.8254
0.8549
0.8568
1e-04
1e-03
1e-02
1e-01
η
0.74
0.76
0.78
0.80
0.82
0.84
0.86
Accuracy score