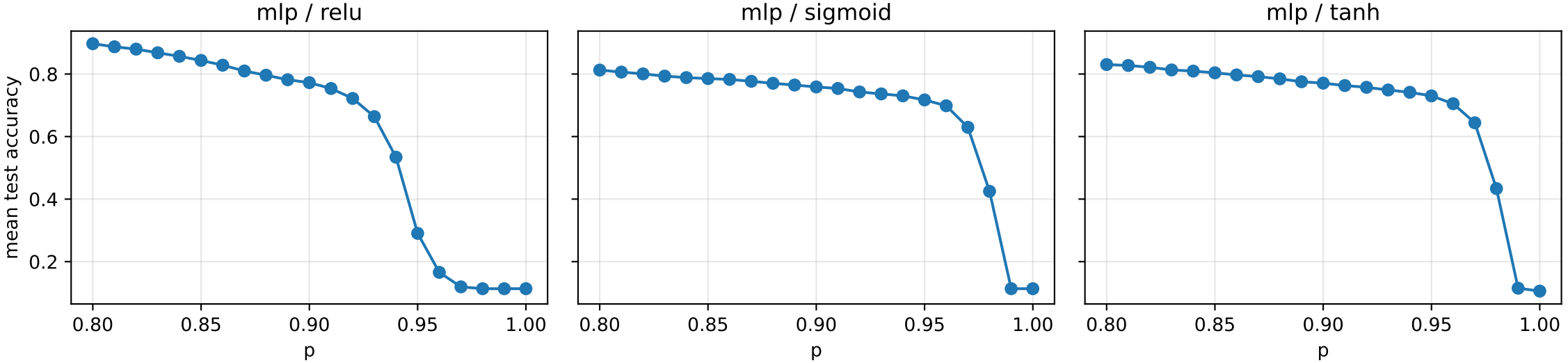
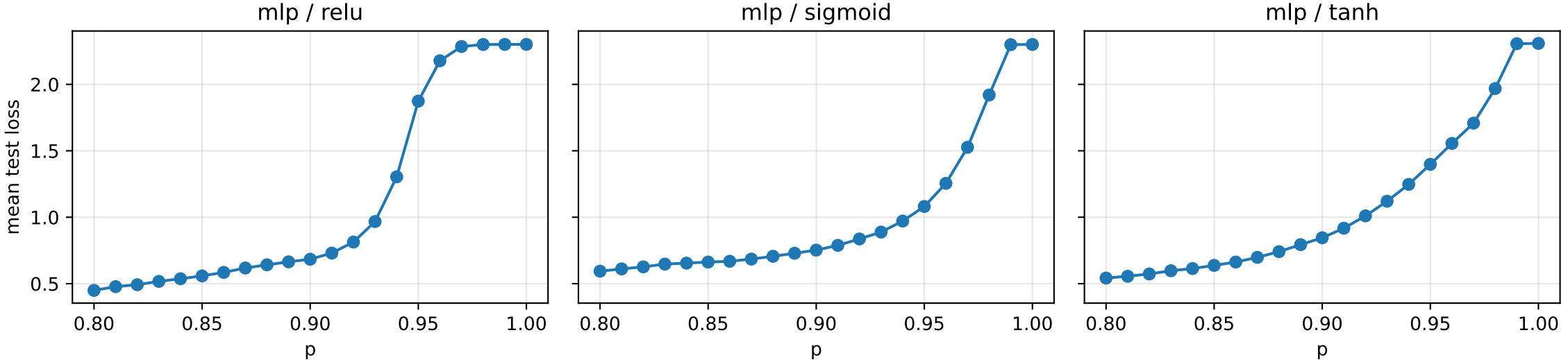
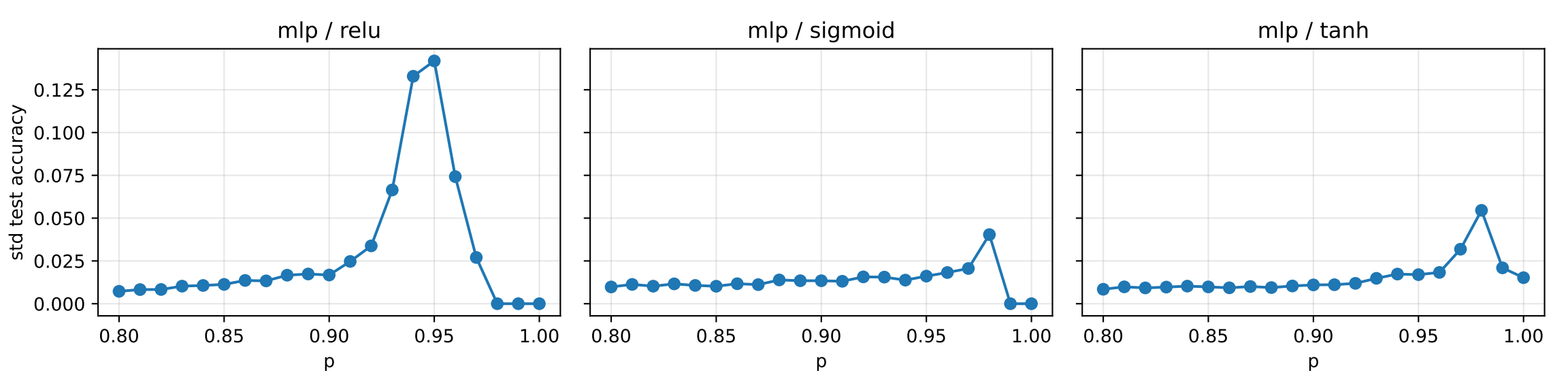

mlp / relu
mlp / sigmoid
mlp / tanh
mean test accuracy
0.2
0.4
0.6
0.8
0.80
0.85
0.90
0.95
1.00
p


mlp / relu
mlp / sigmoid
mlp / tanh
mean test loss
0.5
1.0
1.5
2.0
0.80
0.85
0.90
0.95
1.00
p


mlp / relu
mlp / sigmoid
mlp / tanh
std test accuracy
0.125
0.100
0.075
0.050
0.025
0.000
0.80
0.85
0.90
0.95
1.00
p

Results Summary

activation	model_type	p	repeats	mean_test_accura	std_test_accuracy	stderr_test_accura	mean_test_loss	std_test_loss	stderr_test_loss
relu	mlp	0.800	100	0.8970	0.0072	0.0007	0.4493	0.0267	0.0027
relu	mlp	0.810	100	0.8871	0.0083	0.0008	0.4776	0.0280	0.0028
relu	mlp	0.820	100	0.8796	0.0083	0.0008	0.4920	0.0311	0.0031
relu	mlp	0.830	100	0.8679	0.0103	0.0010	0.5171	0.0353	0.0035
relu	mlp	0.840	100	0.8566	0.0107	0.0011	0.5368	0.0334	0.0033
relu	mlp	0.850	100	0.8435	0.0113	0.0011	0.5585	0.0347	0.0035
relu	mlp	0.860	100	0.8282	0.0136	0.0014	0.5848	0.0338	0.0034
relu	mlp	0.870	100	0.8097	0.0133	0.0013	0.6178	0.0370	0.0037
relu	mlp	0.880	100	0.7962	0.0167	0.0017	0.6419	0.0473	0.0047
relu	mlp	0.890	100	0.7818	0.0174	0.0017	0.6643	0.0429	0.0043
relu	mlp	0.900	100	0.7725	0.0168	0.0017	0.6838	0.0413	0.0041
relu	mlp	0.910	100	0.7537	0.0247	0.0025	0.7300	0.0585	0.0059
relu	mlp	0.920	100	0.7220	0.0338	0.0034	0.8133	0.0774	0.0077
relu	mlp	0.930	100	0.6638	0.0664	0.0066	0.9675	0.1600	0.0160
relu	mlp	0.940	100	0.5340	0.1329	0.0133	1.3040	0.3196	0.0320
relu	mlp	0.950	100	0.2905	0.1418	0.0142	1.8737	0.3337	0.0334
relu	mlp	0.960	100	0.1657	0.0742	0.0074	2.1775	0.1644	0.0164
relu	mlp	0.970	100	0.1194	0.0270	0.0027	2.2848	0.0622	0.0062
relu	mlp	0.980	100	0.1135	0.0000	0.0000	2.2999	0.0017	0.0002
relu	mlp	0.990	100	0.1135	0.0000	0.0000	2.3007	0.0004	0.0000
relu	mlp	1.000	100	0.1135	0.0000	0.0000	2.3009	0.0002	0.0000
sigmoid	mlp	0.800	100	0.8126	0.0098	0.0010	0.5938	0.0308	0.0031
sigmoid	mlp	0.810	100	0.8063	0.0113	0.0011	0.6111	0.0305	0.0031
sigmoid	mlp	0.820	100	0.8005	0.0102	0.0010	0.6264	0.0287	0.0029
sigmoid	mlp	0.830	100	0.7933	0.0116	0.0012	0.6473	0.0343	0.0034
sigmoid	mlp	0.840	100	0.7886	0.0107	0.0011	0.6546	0.0273	0.0027
sigmoid	mlp	0.850	100	0.7855	0.0102	0.0010	0.6625	0.0239	0.0024
sigmoid	mlp	0.860	100	0.7828	0.0117	0.0012	0.6683	0.0260	0.0026
sigmoid	mlp	0.870	100	0.7767	0.0112	0.0011	0.6851	0.0232	0.0023
sigmoid	mlp	0.880	100	0.7704	0.0139	0.0014	0.7060	0.0250	0.0025
sigmoid	mlp	0.890	100	0.7648	0.0134	0.0013	0.7288	0.0230	0.0023
sigmoid	mlp	0.900	100	0.7587	0.0134	0.0013	0.7526	0.0206	0.0021
sigmoid	mlp	0.910	100	0.7538	0.0131	0.0013	0.7882	0.0215	0.0022
sigmoid	mlp	0.920	100	0.7427	0.0157	0.0016	0.8366	0.0243	0.0024
sigmoid	mlp	0.930	100	0.7364	0.0155	0.0016	0.8883	0.0233	0.0023
sigmoid	mlp	0.940	100	0.7302	0.0138	0.0014	0.9713	0.0206	0.0021
sigmoid	mlp	0.950	100	0.7172	0.0161	0.0016	1.0808	0.0251	0.0025
sigmoid	mlp	0.960	100	0.6985	0.0182	0.0018	1.2552	0.0375	0.0038
sigmoid	mlp	0.970	100	0.6296	0.0206	0.0021	1.5264	0.0292	0.0029
sigmoid	mlp	0.980	100	0.4250	0.0404	0.0040	1.9199	0.0326	0.0033
sigmoid	mlp	0.990	100	0.1135	0.0000	0.0000	2.2987	0.0024	0.0002
sigmoid	mlp	1.000	100	0.1135	0.0000	0.0000	2.3004	0.0006	0.0001
tanh	mlp	0.800	100	0.8303	0.0084	0.0008	0.5422	0.0186	0.0019
tanh	mlp	0.810	100	0.8273	0.0099	0.0010	0.5558	0.0224	0.0022
tanh	mlp	0.820	100	0.8216	0.0092	0.0009	0.5730	0.0189	0.0019
tanh	mlp	0.830	100	0.8131	0.0097	0.0010	0.5974	0.0195	0.0019
tanh	mlp	0.840	100	0.8094	0.0103	0.0010	0.6137	0.0194	0.0019
tanh	mlp	0.850	100	0.8039	0.0098	0.0010	0.6376	0.0187	0.0019
tanh	mlp	0.860	100	0.7972	0.0093	0.0009	0.6626	0.0200	0.0020
tanh	mlp	0.870	100	0.7917	0.0100	0.0010	0.6979	0.0179	0.0018
tanh	mlp	0.880	100	0.7847	0.0094	0.0009	0.7408	0.0156	0.0016
tanh	mlp	0.890	100	0.7753	0.0104	0.0010	0.7936	0.0175	0.0017
tanh	mlp	0.900	100	0.7709	0.0110	0.0011	0.8453	0.0189	0.0019
tanh	mlp	0.910	100	0.7631	0.0111	0.0011	0.9173	0.0182	0.0018
tanh	mlp	0.920	100	0.7575	0.0119	0.0012	1.0102	0.0206	0.0021
tanh	mlp	0.930	100	0.7490	0.0148	0.0015	1.1205	0.0238	0.0024
tanh	mlp	0.940	100	0.7416	0.0173	0.0017	1.2474	0.0198	0.0020
tanh	mlp	0.950	100	0.7301	0.0170	0.0017	1.3980	0.0266	0.0027
tanh	mlp	0.960	100	0.7051	0.0183	0.0018	1.5554	0.0396	0.0040
tanh	mlp	0.970	100	0.6441	0.0318	0.0032	1.7080	0.0402	0.0040
tanh	mlp	0.980	100	0.4336	0.0545	0.0055	1.9684	0.0307	0.0031
tanh	mlp	0.990	100	0.1151	0.0209	0.0021	2.3060	0.0037	0.0004
tanh	mlp	1.000	100	0.1059	0.0152	0.0015	2.3082	0.0035	0.0004

Run Metadata

timestamp: 2026-01-24 07:01:03
activations: ['relu', 'tanh', 'sigmoid']
model_types: ['mlp']
model_hparams: {'mlp': {'hidden_layer_count': 2, 'hidden_sizes': [256, 128]}}
ps: [0.8 0.81 0.82 0.83 0.84 0.85 0.86 0.87 0.88 0.89 0.9 0.91 0.92 0.93
 0.94 0.95 0.96 0.97 0.98 0.99 1.]
repeats: 100
epochs: 20
batch_size: 128
learning_rate: 0.001
weight_decay: 0.0
max_workers: 10
data_workers: 2
cpu_threads_per_worker: 1
output_dir: results
seed: 1234
max_train_samples: None
use_cuda: False
total_runs: 6300