root_mean_squared_error	mean_absolute_error	mean_squared_error	rsquared_adj	units	epochs	batch_size	direction
0.292691	0.027469	0.085668	-0.001022	25.0	25.0	25.0	1.0
							0.992205
							0.998886
0.292691	0.027469	0.085668	-0.001022	100.0	100.0	64.0	1.0

500180 bpnn

root_mean_squared_error	mean_absolute_error	mean_squared_error	rsquared_adj	units	epochs	batch_size	direction
0.033833	0.013318	0.001145	-2.2e-05	25.0	50.0	25.0	1.0
0.03408	0.013485	0.001161	-0.014674	25.0	75.0	25.0	0.99777
0.04257	0.01599	0.00174	-0.025254	25.0	100.0	25.0	0.996656
0.033833	0.013318	0.001145	-2.2e-05	25.0	50.0	32.0	0.99777
0.0336	0.01348	0.001148	-0.005082	25.0	75.0	32.0	0.998885
0.0392	0.01418	0.001291	-0.123155	25.0	100.0	32.0	0.998885
0.033833	0.013312	0.001145	-2.2e-05	25.0	50.0	48.0	0.998885
0.03322	0.013625	0.001246	-0.0001	25.0	75.0	48.0	0.99777
0.035304	0.013624	0.001236	-0.088901	25.0	100.0	48.0	1.0
0.043913	0.013453	0.001928	-0.079913	25.0	50.0	64.0	0.996656
			-0.684678	25.0	75.0	64.0	
			-2.2e-05	25.0	100.0	64.0	
			-2.2e-05	25.0	50.0	25.0	
0.04229	0.013478	0.00172	-0.023549	25.0	75.0	25.0	0.998885
	0.013318		-2.2e-05	25.0	100.0	25.0	
			-2.2e-05	25.0	50.0	32.0	
0.036324	0.01374	0.001319	-2.2e-05	25.0	75.0	32.0	0.998885
0.033833	0.013318	0.001145	-0.152723	25.0	100.0	32.0	
			-2.2e-05	25.0	50.0	48.0	
			-2.2e-05	25.0	75.0	48.0	
			-2.2e-05	25.0	100.0	48.0	
			-2.2e-05	25.0	50.0	64.0	
			-2.2e-05	25.0	75.0	64.0	
			-2.2e-05	25.0	100.0	64.0	
0.04211			-0.022487	50.0	50.0	25.0	0.998885
0.033833			-2.2e-05	50.0	75.0	25.0	
0.02959	0.01385	0.001222	-0.067712	50.0	100.0	32.0	0.998885
0.033833	0.013318	0.001145	-2.2e-05	50.0	50.0	32.0	
	0.013356		-0.001328	50.0	75.0	32.0	
			-2.2e-05	50.0	100.0	48.0	
	0.013357		-0.001325	50.0	50.0	48.0	
			-2.2e-05	50.0	75.0	48.0	
			-2.2e-05	50.0	100.0	64.0	
			-2.2e-05	50.0	50.0	64.0	
			-2.2e-05	50.0	75.0	64.0	
			-2.2e-05	100.0	100.0	25.0	
			-2.2e-05	100.0	50.0	25.0	
			-2.2e-05	100.0	75.0	25.0	
			-2.2e-05	100.0	100.0	32.0	
			-2.2e-05	100.0	50.0	32.0	
			-2.2e-05	100.0	75.0	48.0	
			-2.2e-05	100.0	100.0	48.0	
			-2.2e-05	100.0	25.0	48.0	
			-2.2e-05	100.0	75.0	64.0	
			-2.2e-05	100.0	100.0	64.0	
0.033833	0.013318	0.001145	-2.2e-05	100.0	50.0	64.0	1.0
			-2.2e-05	100.0	100.0	64.0	

root_mean_squared_error	mean_absolute_error	mean_squared_error	rsquared_adj	units	epochs	batch_size	direction
0.019631	0.013756	0.000385	-0.000479	25.0	25.0	25.0	1.0
0.019631	0.013756	0.000385	-0.000479	25.0	50.0	25.0	0.997778
0.030574	0.024774	0.000935	-1.426674	25.0	100.0	25.0	0.996667
0.03225	0.024606	0.00104	-1.700054	25.0	50.0	32.0	
0.025154	0.024603	0.000633	-0.642547	25.0	100.0	32.0	1.0
0.024399	0.015756	0.000595	-4.023697	25.0	25.0	32.0	0.997778
0.019631	0.013756	0.000385	-0.000479	25.0	100.0	48.0	0.996667
0.024062	0.014477	0.000579	-0.503044	25.0	25.0	48.0	
0.022252	0.013888	0.000495	-0.285288	25.0	50.0	48.0	0.998889
0.019631	0.013756	0.000385	-0.000169	25.0	100.0	48.0	0.996667
0.019648	0.01312	0.000398	-0.246850	25.0	50.0	64.0	
0.02277	0.014965	0.000519	-3.463749	25.0	75.0	64.0	0.998889
0.020438	0.013986	0.000418	-0.087423	25.0	100.0	64.0	0.996667
0.032336	0.023583	0.001046	-1.71457	25.0	100.0		
0.019631	0.013756	0.000385	-0.000479	25.0	50.0	25.0	
0.019631	0.013756	0.000385	-0.000479	25.0	25.0	25.0	
0.019631	0.013756	0.000385	-0.000479	25.0	100.0	32.0	
0.019631	0.013756	0.000385	-0.000479	25.0	25.0	32.0	
0.019631	0.013756	0.000385	-0.000479	25.0	100.0	48.0	
0.019631	0.013756	0.000385	-0.000479	25.0	50.0	48.0	
0.019631	0.013756	0.000385	-0.000479	25.0	100.0	64.0	
0.019631	0.013756	0.000385	-0.000479	50.0	25.0	25.0	
0.019631	0.013756	0.000385	-0.000479	50.0	75.0	25.0	
0.019631	0.013756	0.000385	-0.000479	50.0	100.0	25.0	
0.019631	0.013756	0.000385	-0.000479	50.0	50.0	32.0	
0.019639	0.01376	0.000385	-0.01247	50.0	100.0	32.0	0.998889
0.019631	0.013756	0.000385	-0.000479	50.0	50.0	48.0	1.0
0.019633	0.013756	0.000385	-0.00063	50.0	100.0	48.0	0.998889
0.019634	0.01377	0.000386	-0.00081	50.0	25.0	64.0	0.998889
0.019631	0.013756	0.000385	-0.000479	50.0	75.0	64.0	1.0
0.019634	0.013784	0.000386	-0.01758	50.0	100.0	64.0	0.998889
0.019631	0.013756	0.000385	-0.000479	100.0	50.0	25.0	
0.019631	0.013756	0.000385	-0.000479	100.0	100.0	25.0	
0.019631	0.013756	0.000385	-0.000479	100.0	50.0	32.0	
0.019631	0.013756	0.000385	-0.000479	100.0	100.0	32.0	
0.019631	0.013756	0.000385	-0.000479	100.0	25.0	48.0	
0.019631	0.013756	0.000385	-0.000479	100.0	75.0	48.0	
0.019631	0.013756	0.000385	-0.000479	100.0	100.0	64.0	
0.019631	0.013756	0.000385	-0.000479	100.0	50.0	64.0	
0.019631	0.013756	0.000385	-0.000479	100.0	100.0	64.0	1.0

500209 bpnn

root_mean_squared_error	mean_absolute_error	mean_squared_error	rsquared_adj	units	epochs	batch_size	direction
0.01892	0.012803	0.000358	-0.001552	25.0	25.0	25.0	1.0
0.01892	0.012803	0.000358	-0.001552	25.0	50.0	25.0	1.0
0.02515	0.03488	0.00633	-0.269768	25.0	75.0	25.0	0.997775
0.020849	0.03213	0.00435	-0.216194	25.0	100.0	32.0	0.987764
0.60947	0.5749	0.456	-17.062491	25.0	50.0	32.0	0.98326
0.019074	0.3038	0.0389	-1.15837	25.0	100.0	32.0	0.997775
0.1959	0.306	0.0382	-1.07398	25.0	25.0	48.0	0.996663
0.19089	0.2941	0.0364	-1.0531	25.0	50.0	48.0	0.997775
0.18942	0.2829	0.0359	-1.03943	25.0	100.0	48.0	0.998551
0.22437	0.3453	0.0508	-4.08515	25.0	50.0	64.0	0.987764
0.22047	0.3715	0.0606	-3.80043	25.0	50.0	64.0	0.98377
0.24588	0.3792	0.0605	-0.691553	25.0	50.0	64.0	0.986652
0.02041	0.3465	0.0417	-0.16654	25.0	100.0	64.0	
0.01892	0.012803	0.000358	-0.001552	25.0	25.0	25.0	1.0
0.01892	0.012803	0.000358	-0.001552	25.0	50.0	25.0	1.0
0.01892	0.012803	0.000358	-0.001552	25.0	100.0	25.0	1.0
0.01892	0.012803	0.000358	-0.001552	25.0	25.0	32.0	1.0
0.01892	0.012803	0.000358	-0.001552	25.0	50.0	32.0	1.0
0.01892	0.012803	0.000358	-0.001552	25.0	75.0	32.0	1.0
0.01892	0.012803	0.000358	-0.001552	25.0	100.0	48.0	1.0
0.01892	0.012803	0.000358	-0.001552	25.0	50.0	48.0	1.0
0.01892	0.012803	0.000358	-0.001552	25.0	100.0	48.0	1.0
0.01892	0.012803	0.000358	-0.001552	25.0	50.0	64.0	1.0
0.01892	0.012803	0.000358	-0.001552	25.0	100.0	64.0	1.0
0.018946	0.02843	0.000359	-0.4342	50.0	25.0	25.0	0.997775
0.01892	0.012803	0.000358	-0.001552	50.0	75.0	25.0	
0.01892	0.012803	0.000358	-0.001552	50.0	100.0	25.0	
0.01892	0.012803	0.000358	-0.001552	50.0	50.0	32.0	
0.01892	0.012803	0.000358	-0.001552	50.0	100.0	32.0	
0.01892	0.012803	0.000358	-0.001552	50.0	100.0	32.0	
0.23496	0.3477	0.0552	-5.44653	50.0	50.0	48.0	0.998888
0.018919	0.02763	0.000359	-0.00153	50.0	75.0	48.0	
0.018919	0.2799	0.271	-1.0	50.0	100.0	64.0	
0.01892	0.012803	0.000358	-0.001552	50.0	25.0	64.0	1.0
0.01892	0.012803	0.000358	-0.001552	50.0	75.0	64.0	1.0
0.01892	0.012803	0.000358	-0.001552	100.0	100.0	25.0	1.0
0.01892	0.012803	0.000358	-0.001552	100.0	50.0	25.0	1.0
0.01892	0.012803	0.000358	-0.001552	100.0	100.0	25.0	1.0
0.01892	0.012803	0.000358	-0.001552	100.0	50.0	32.0	1.0
0.01892	0.012803	0.000358	-0.001552	100.0	75.0	32.0	1.0
0.01892	0.012803	0.000358	-0.001552	100.0	100.0	48.0	1.0
0.01892	0.012803	0.000358	-0.001552	100.0	25.0	48.0	1.0
0.01892	0.012803	0.000358	-0.001552	100.0	75.0	48.0	1.0
0.01892	0.012803	0.000358	-0.001552	100.0	100.0	64.0	1.0
0.01892	0.012803	0.000358	-0.001552	100.0	50.0	64.0	1.0
0.01892	0.012803	0.000358	-0.001552	100.0	100.0	64.0	1.0

500325 bpnn

root_mean_squared_error	mean_absolute_error	mean_squared_error	rsquared_adj	units	epochs	batch_size	direction
0.020851	0.014763	0.000435	-0.001354	25.0	25.0	25.0	1.0
0.02111	0.04904	0.000446	-0.026387	25.0	50.0	25.0	0.996663
0.020887	0.04802	0.000436	-0.004759	25.0	75.0	25.0	0.998888
0.020851	0.04763	0.000435	-0.001358	25.0	100.0	32.0	0.997775
0.021072	0.04882	0.000444	-0.022699	25.0	50.0	32.0	1.0
0.020874	0.04763	0.000435	-0.001358	25.0	100.0	32.0	
0.020851	0.04763	0.000435	-4.597756	25.0	25.0	48.0	0.997775
0.049296	0.07209	0.000434	-0.000681	25.0	50.0	48.0	0.998888
0.020844	0.04756	0.000437	-0.007616	25.0	100.0	48.0	
0.020916	0.0483	0.000438	-0.001358	25.0	50.0	64.0	0.998888
0.020851	0.04763	0.000436	-0.003248	25.0	100.0	64.0	0.997775
0.022979	0.0523	0.000624	-0.43097	25.0	50.0	64.0	
0.021245	0.05896	0.000451	-0.039523	25.0	75.0	64.0	0.996663
0.021233	0.0905	0.000442	-0.038327	25.0	100.0	25.0	0.994438
0.02098	0.04891	0.000435	-0.013847	25.0	50.0	25.0	
0.020851	0.04763	0.000435	-0.001358	25.0	100.0	32.0	
0.020851	0.04763	0.000435		25.0	50.0	32.0	
0.020851	0.04763	0.000435		25.0	100.0	48.0	
0.020851	0.04763	0.000435		25.0	50.0	48.0	
0.020851	0.04763	0.000435		25.0	100.0	64.0	
0.020851	0.04763	0.000435		50.0	25.0	64.0	
0.020861	0.04763	0.000435	-0.002247	50.0	100.0	25.0	0.998888
0.020851	0.04763	0.000435	-0.001358	50.0	50.0	32.0	1.0
0.020851	0.04763	0.000435	-0.001358	50.0	100.0	32.0	
0.020851	0.04763	0.000435	-0.012941	50.0	50.0	48.0	0.997775
0.020852	0.04764	0.000435	-0.01423	50.0	50.0	48.0	0.998888
0.020913	0.04807	0.000437	-0.00731	50.0	100.0	48.0	0.998888
0.020851	0.04763	0.000435		50.0	25.0	64.0	
0.020851	0.04763	0.000435		50.0	75.0	64.0	
0.020851	0.04763	0.000435		50.0	100.0	25.0	
0.020851	0.04763	0.000435		100.0	50.0	25.0	
0.020851	0.04763	0.000435		100.0	100.0	32.0	
0.020851	0.04763	0.000435		100.0	50.0	32.0	
0.020851	0.04763	0.000435		100.0	100.0	48.0	
0.020851	0.04763	0.000435		100.0	75.0	48.0	
0.020851	0.04763	0.000435		100.0	100.0	64.0	
0.020851	0.04763	0.000435		100.0	50.0	64.0	
0.020851	0.014763	0.000435	-0.001358	100.0	100.0	64.0	1.0

500680 bpnn

root_mean_squared_error	mean_absolute_error	mean_squared_error	rsquared_adj	units	epochs	batch_size	direction
0.017153	0.011786	0.000294	-0.00302	25.0	25.0	25.0	1.0
0.017134	0.011772	0.000294	-0.000867	25.0	50.0	25.0	0.998864
0.020688	0.012422	0.000428	-0.45918	25.0	100.0	25.0	0.996591
0.017499	0.011936	0.000306	-0.043957	25.0	50.0	32.0	0.998864
0.017595	0.011807	0.000311	-0.05282	25.0	100.0	32.0	0.998591
0.020342	0.012407	0.000414	-0.410757	25.0	100.0	48.0	0.998864
0.081237	0.024483	0.006599	-21.498653	25.0	25.0	48.0	1.0
0.017132	0.011765	0.000294	-0.000666	25.0	50.0	48.0	
0.017194	0.011821	0.000296	-0.007928	25.0	100.0	48.0	0.997727
0.017364	0.011838	0.000301	-0.027846	25.0	50.0	64.0	0.998864
0.019922	0.012218	0.000396	-0.35137	25.0	100.0	64.0	0.998864
0.041284	0.013019	0.001702	-4.810456	25.0	50.0	64.0	0.994318
0.019772	0.012253	0.000391	-0.33953	25.0	100.0	64.0	0.998864
0.017237	0.011882	0.000301	-0.024706	25.0	25.0	25.0	
0.017132	0.011765	0.000294	-0.000666	25.0	50.0	25.0	
0.017132	0.011765	0.000294	-0.000666	25.0	100.0	32.0	
0.017132	0.011765	0.000294	-0.000666	25.0	50.0	32.0	
0.017132	0.011765	0.000294	-0.000666	25.0	100.0	48.0	
0.017132	0.011765	0.000294	-0.000666	25.0	50.0	48.0	
0.017132	0.011765	0.000294	-0.000666	25.0	100.0	64.0	
0.017132	0.011765	0.000294	-0.000666	25.0	50.0	64.0	
0.017132	0.011765	0.000294	-0.000666	25.0	100.0	25.0	
0.019908	0.012121	0.000396	-0.35112	50.0	50.0	25.0	0.998864
0.017132	0.011765	0.000294	-0.000666	50.0	100.0	25.0	
0.017132	0.011765	0.000294	-0.000666	50.0	50.0	32.0	
0.017132	0.011765	0.000294	-0.000666	50.0	100.0	32.0	
0.017132	0.011765	0.000294	-0.000666	50.0	50.0	48.0	
0.017452	0.011871	0.000305	-0.03846	50.0	100.0	48.0	0.998864
0.017132	0.011765	0.000294	-0.000666	50.0	50.0	48.0	
0.017141	0.011776	0.000294	-0.001615	50.0	100.0	64.0	0.998864
0.017132	0.011765	0.000294	-0.000666	50.0	50.0	64.0	
0.017132	0.011765	0.000294	-0.000666	100.0	100.0	25.0	
0.017132	0.011765	0.000294	-0.000666	100.0	50.0	25.0	
0.017132	0.011765	0.000294	-0.000666	100.0	100.0	32.0	
0.017132	0.011765	0.000294	-0.000666	100.0	50.0	32.0	
0.017132	0.011765	0.000294	-0.000666	100.0	100.0	48.0	
0.017132	0.011765	0.000294	-0.000666	100.0	25.0	48.0	
0.017132	0.011765	0.000294	-0.000666	100.0	50.0	64.0	
0.017132	0.011765	0.000294	-0.000666	100.0	100.0	64.0	1.0

507685 bpnn							
root_mean_squared_error	mean_absolute_error	mean_squared_error	rsquared_adj	units	epochs	batch_size	direction
0.042836	0.014666	0.001835	-0.00026	25.0	25.0	25.0	1.0
0.042743	0.014615	0.001827	0.004085	25.0	50.0	25.0	1.0
0.042836	0.014666	0.001835	-0.00026	25.0	75.0	25.0	
0.042836	0.014666	0.001835	-0.00026	25.0	100.0	25.0	
0.04608	0.04662	0.02123	-0.15747	25.0	25.0	32.0	0.998884
0.042836	0.04662	0.001835	-0.00026	25.0	50.0	32.0	0.997768
0.63034	0.6207	0.0041	-1.235117	25.0	75.0	32.0	
0.042836	0.04666	0.001835	-0.00026	25.0	100.0	48.0	0.993304
0.131521	0.20387	0.017298	-8.42923	25.0	25.0	48.0	0.997768
0.042856	0.04701	0.001837	-0.001171	25.0	50.0	48.0	
0.04666	0.5009	0.001835	-0.00026	25.0	100.0	64.0	0.997768
0.13659	0.4772	0.0874	-0.021806	25.0	25.0	64.0	1.0
0.042954	0.04666	0.001845	-0.005776	25.0	50.0	64.0	
0.042836	0.04681	0.001836	-0.00767	25.0	75.0	64.0	0.998884
0.042847			-0.00026	25.0	100.0		
0.042836							
0.042836	0.014666	0.001835	-0.00026	100.0	100.0	64.0	1.0

530965 bpnn

root_mean_squared_error	mean_absolute_error	mean_squared_error	rsquared_adj	units	epochs	batch_size	direction
0.056118	0.018698	0.003149	-0.000672	25.0	25.0	25.0	0.996648
0.06134				25.0	75.0		1.0
0.056118				25.0		32.0	0.997765
0.05612				25.0	50.0	32.0	0.997765
0.057778				25.0	100.0	32.0	
0.056864				25.0		48.0	0.997765
0.05614				25.0	50.0	48.0	0.994413
0.06186				25.0	100.0	48.0	0.998883
0.056118				25.0		64.0	0.995531
0.056295				25.0	50.0	64.0	
0.075042				25.0	100.0	64.0	0.998883
0.056118	0.018698	0.003149	-0.000672	100.0	100.0	64.0	1.0

532174 bpnn

root_mean_squared_error	mean_absolute_error	mean_squared_error	rsquared_adj	units	epochs	batch_size	direction
0.137236	0.022896	0.018834	-0.001166	25.0	25.0	25.0	1.0
				25.0	50.0	25.0	
			-0.001166	25.0	75.0	25.0	
			-0.001113	25.0	100.0	25.0	0.996659
			-0.001274	25.0	25.0	32.0	0.998886
0.137415			-14.03784	25.0	50.0	32.0	0.997773
5.31904	4.00096	28.292	-14.03969	25.0	75.0	32.0	0.996659
0.137299		0.018851	-0.02088	25.0	100.0	32.0	0.996659
0.137236	0.022896	0.018834	-0.001166	25.0	25.0	48.0	
0.137443			-0.004191	25.0	50.0	48.0	0.992205
	0.022896		-0.001166	25.0	75.0	48.0	
6.98369	4.5889	48.7792	-24.928152	25.0	100.0	48.0	0.992205
10929		0.01946	-0.3649	25.0	25.0	64.0	0.994432
0.137436	0.02304		-0.004091	25.0	50.0	64.0	0.997773
0.137234		0.018834	-0.0012	25.0	75.0	64.0	0.998886
0.137236	0.022896	0.018834	-0.00144	25.0	100.0	64.0	
			-0.001166	25.0	25.0	25.0	
			-0.001166	25.0	50.0	25.0	
			-0.001166	25.0	75.0	25.0	
			-0.001166	25.0	100.0	25.0	
			-0.001166	25.0	25.0	32.0	
			-0.001166	25.0	50.0	32.0	
			-0.001166	25.0	75.0	32.0	
			-0.001166	25.0	100.0	48.0	
			-0.001166	25.0	25.0	48.0	
			-0.001166	25.0	50.0	48.0	
			-0.001166	25.0	75.0	64.0	
			-0.001166	25.0	100.0	64.0	
			-0.001166	25.0	25.0	64.0	
0.137398	0.023135	0.018878	-0.3542	50.0	50.0	25.0	0.997773
0.137236	0.02304		-0.0177	50.0	75.0	25.0	0.998886
			-0.001166	50.0	100.0	25.0	1.0
			-0.001166	50.0	25.0	32.0	
			-0.001748	50.0	50.0	32.0	0.995546
0.137027		0.01845	-0.00429	50.0	75.0	32.0	0.996659
0.137445	0.023237	0.01889	-0.001166	50.0	100.0	48.0	0.995546
0.137264	0.023007	0.01847	-0.0577	50.0	50.0	48.0	1.0
0.137236	0.022896	0.018834	-0.001166	50.0	75.0	48.0	
0.137236	0.022896	0.018834	-0.001166	50.0	100.0	64.0	
0.137236		0.018834	-0.0172	50.0	25.0	64.0	0.998886
0.137236	0.022808	0.018834	-0.0204	50.0	75.0	64.0	
			-0.001166	100.0	100.0	25.0	
			-0.001166	100.0	50.0	25.0	
			-0.001166	100.0	100.0	25.0	
0.137236	0.022896		-0.001166	100.0	50.0	32.0	
			-0.001166	100.0	100.0	32.0	
			-0.001166	100.0	25.0	48.0	
			-0.001166	100.0	75.0	48.0	
			-0.001166	100.0	100.0	64.0	
			-0.001166	100.0	50.0	64.0	
0.137236	0.022896	0.018834	-0.001166	100.0	100.0	64.0	1.0

532210 bpnn

root_mean_squared_error	mean_absolute_error	mean_squared_error	rsquared_adj	units	epochs	batch_size	direction
0.023907	0.015666	0.000572	-0.059364	25.0	25.0	25.0	0.998848
0.023261	0.01564	0.000541	-0.002851	25.0	50.0	25.0	1.0
0.023482	0.05694	0.000551	-0.022017	25.0	100.0	25.0	0.995392
0.038881	0.01665	0.001512	-1.801965	25.0	25.0	32.0	0.998848
0.023327	0.04596	0.000544	-0.00585	25.0	50.0	32.0	0.998848
0.023262	0.01578	0.000543	-0.00507	25.0	100.0	32.0	0.998848
0.027852	0.06009	0.000776	-0.437813	25.0	25.0	48.0	0.998848
0.037888	0.06631	0.001435	-1.660582	25.0	50.0	48.0	0.997696
0.023374	0.015601	0.000546	-0.012626	25.0	100.0	48.0	
0.023259	0.01554	0.000541	-0.002645	25.0	25.0	64.0	0.998848
0.025229	0.0585	0.000637	-0.17957	25.0	50.0	64.0	0.998849
0.026403	0.06079	0.000697	-0.292086	25.0	100.0	64.0	0.998848
0.02413	0.05635	0.000582	-0.015924	50.0	25.0	25.0	
0.024796	0.05796	0.000615	-0.139534	50.0	50.0	25.0	
0.023259	0.05536	0.000541	-0.002583	50.0	100.0	25.0	
0.023259			-0.002645	50.0	25.0	32.0	
0.023259			-0.002645	50.0	50.0	32.0	
0.023259			-0.002645	50.0	100.0	32.0	
0.023259			-0.002645	50.0	25.0	48.0	
0.023259			-0.002645	50.0	50.0	48.0	
0.023259			-0.002645	50.0	100.0	48.0	
0.8593	0.8294	0.7384	-12.68574	50.0	75.0	64.0	0.998848
0.8626	0.8606	0.885	-15.487615	50.0	100.0	64.0	0.998848
0.023259			-0.002645	100.0	50.0	25.0	
0.023259			-0.002645	100.0	100.0	25.0	
0.023259			-0.002645	100.0	50.0	32.0	
0.023259			-0.002645	100.0	100.0	32.0	
0.023259			-0.002645	100.0	25.0	48.0	
0.023259			-0.002645	100.0	75.0	48.0	
0.023259			-0.002645	100.0	100.0	48.0	
0.023259			-0.002645	100.0	50.0	64.0	
0.023259	0.01554	0.00054	-0.002645	100.0	100.0	64.0	1.0

532540 bpnn

root_mean_squared_error	mean_absolute_error	mean_squared_error	rsquared_adj	units	epochs	batch_size	direction
0.058203	0.018158	0.003388	-0.202466	25.0	25.0	25.0	0.989183
0.053132	0.015724	0.002823	-0.002049	25.0	50.0	25.0	1.0
0.053375	0.016009	0.002849	-0.011215	25.0	75.0	25.0	0.997596
0.053145	0.015775	0.002824	-0.002537	25.0	100.0	25.0	0.996394
0.053132	0.015724	0.002823	-0.002049	25.0	50.0	32.0	1.0
0.053237	0.015876	0.002834	-0.006024	25.0	75.0	32.0	0.998798
0.053132	0.015726	0.002823	-0.00063	25.0	100.0	32.0	0.998798
0.053354	0.016215	0.002846	-0.017477	25.0	50.0	48.0	0.99399
0.053132	0.015724	0.002824	-0.002049	25.0	100.0	48.0	
0.053266	0.015841	0.002832	-0.007094	25.0	50.0	64.0	0.998798
0.053123	0.01706	0.00313	-0.01116	25.0	75.0	64.0	0.99399
0.05395	0.015769	0.002826	-0.03225	25.0	100.0	64.0	0.997596
0.053763	0.015724						
0.053132							
...	...	...	...	...	...	...	...
0.05341	0.015755	0.002824	-0.002373	50.0	75.0	64.0	0.998798
0.053132	0.015724	0.002824	-0.002375	50.0	100.0	64.0	0.997596
...	...	...	...	...	...	...	...
0.053132	0.015724	0.002823	-0.002049	100.0	100.0	64.0	1.0

best_bpnn								
root_mean_squared_error	mean_absolute_error	mean_squared_error	rsquared_adj	units	epochs	batch_size	direction	security_id
0.292691	0.027469	0.085668	-0.001022	25	25	25	1.0	500112
0.053132	0.015724	0.002823	-0.002049	50	25	25	1.0	532540