E7 Results												
Variation 1 Regression with Linear Network (2 features) and 30000 epochs			Variation 2 Regression with Linear Network (2 features) using RMSprop optimizer, tanh activation, and 3000 epochs			Variation 3 Regression with Linear Network (2-feature) using RMSprop optimizer, 3000 epochs, 40 nodes, and sigmoid activation			Variation 4: Regression with Linear Network (2feature) using RMSprop optimizer, 40 nodes, relu activation		
Epoch	RMSE	Test RMSE	Epoch	RMSE	Test RMSE	Epoch	RMSE	Test RMSE	Epoch	RMSE	Test RMSE
1/30000	0.30674	0.22464	1/3000	0.30455	0.2389	1/3000	0.2052	0.20165	1/300	0.30985	0.24616
3001/30000	0.13529	0.13489	301/3000	0.03482	0.03376	301/3000	0.04104	0.03809	31/300	0.03449	0.03408
6001/30000	0.13531	0.13489	601/3000	0.03437	0.03452	601/3000	0.03527	0.03363	61/300	0.03479	0.03482
9001/30000	0.13542	0.13492	901/3000	0.03434	0.03329	901/3000	0.03511	0.03349	91/300	0.03426	0.03462
12001/30000	0.13546	0.13487	1201/3000	0.0344	0.0349	1201/3000	0.03473	0.03687	121/300	0.03457	0.03459
15001/30000	0.13529	0.13475	1501/3000	0.03431	0.03412	1501/3000	0.03467	0.03458	151/300	0.03439	0.03437
18001/30000	0.13529	0.13484	1801/3000	0.0344	0.03552	1801/3000	0.03482	0.03336	181/300	0.03445	0.03423
21001/30000	0.13532	0.13488	2101/3000	0.03411	0.03401	2101/3000	0.03482	0.0333	211/300	0.03417	0.03507
24001/30000	0.13544	0.13489	2401/3000	0.03444	0.03335	2401/3000	0.03475	0.03592	241/300	0.03419	0.03367
27001/30000	0.13537	0.1349	2701/3000	0.03423	0.03332	2701/3000	0.03447	0.03384	271/300	0.03443	0.03448

E8 Results											
Variation 1: Adding a hidden layer, using ReLU activation, RMSprop optimizer			Variation 2: Adding a hidden layer, using sigmoid activation, using 10 epochs, and using adam optimizer			Variation 3: Adding a hidden layer and using relu activation and adam optimizer			Variation 4: Adding a hidden layer, using tanh activation and using Adam optimizer		
Epoch	Error	Test accuracy	Epoch	Error	Test accuracy	Epoch	Error	Test accuracy	Epoch	Error	Test accuracy
1/5	0.30455	0.9559	1/10	0.37052	0.9228	1/10	0.27673	0.9599	1/5	0.31502	0.9544
2/5	0.14983	0.9602	2/10	0.18464	0.9504	2/10	0.13215	0.9545	2/5	0.15421	0.9493
3/5	0.12044	0.9667	3/10	0.12124	0.9656	3/10	0.10089	0.9664	3/5	0.11674	0.9605
4/5	0.10602	0.9677	4/10	0.09089	0.9692	4/10	0.08067	0.9716	4/5	0.09475	0.97
5/5	0.09499	0.9702	5/10	0.07194	0.9757	5/10	0.06761	0.9736	5/5	0.08375	0.9676
			6/10	0.05812	0.9749	6/10	0.05998	0.9715			
			7/10	0.04684	0.9774	7/10	0.05429	0.9726			
			8/10	0.04125	0.9788	8/10	0.04536	0.9755			
			9/10	0.03402	0.9797	9/10	0.041	0.9748			
			10/10	0.03154	0.976	10/10	0.03823	0.9729			