

Normalize Data ((x-min)/(max-min))

Att1	Att2	Class	Att1	Att2	Class	(test_x - train_x) + (test_y - train_y)			root(sum(pi-qi)**2)			sum(abs(pi-qi))		
						s1_loss	s2_loss	s3_loss	s1_loss	s2_loss	s3_loss	s1_loss	s2_loss	s3_loss
0.8	6.3	0	0.000000000	0.27659574	Class	0.00	0.13	0.14	0.00	0.10	0.10	0.00	0.13	0.14
1.4	8.1	0	0.036144578	0.37234043	0	-0.13	0.00	0.00	0.10	0.00	0.06	0.13	0.00	0.08
2.1	7.4	0	0.078313253	0.33510638	0	-0.14	0.00	0.00	0.10	0.06	0.00	0.14	0.08	0.00
2.6	14.3	1	0.108433735	0.70212766	0	-0.53	-0.40	-0.40	0.44	0.34	0.37	0.53	0.40	0.40
6.8	12.6	0	0.361445783	0.61170213	1	-0.70	-0.56	-0.56	0.49	0.40	0.40	0.70	0.56	0.56
8.8	9.8	1	0.481927711	0.46276596	0	-0.67	-0.54	-0.53	0.52	0.45	0.42	0.67	0.54	0.53
9.2	11.6	0	0.506024096	0.55851064	1	-0.79	-0.66	-0.65	0.58	0.51	0.48	0.79	0.66	0.65
10.8	9.6	1	0.602409639	0.45212766	1	-0.78	-0.65	-0.64	0.63	0.57	0.54	0.78	0.65	0.64
11.8	9.9	1	0.662650602	0.46808511	1	-0.85	-0.72	-0.72	0.69	0.63	0.60	0.85	0.72	0.72
12.4	6.5	1	0.698795181	0.28723404	1	-0.71	-0.58	-0.57	0.70	0.67	0.62	0.71	0.75	0.67
12.8	1.1	0	0.722891566		0	-0.45	-0.31	-0.31	0.77	0.78	0.73	1.00	1.06	0.98
14	19.9	1	0.795180723	1	0	-1.52	-1.39	-1.38	1.08	0.98	0.98	1.52	1.39	1.38
14.2	18.5	0	0.807228916	0.92553191	1	-1.46	-1.32	-1.32	1.04	0.95	0.94	1.46	1.32	1.32
15.6	17.4	1	0.891566265	0.86702128	0	-1.48	-1.35	-1.35	1.07	0.99	0.97	1.48	1.35	1.35
15.8	12.2	0	0.903614458	0.59042553	1	-1.22	-1.09	-1.08	0.96	0.89	0.86	1.22	1.09	1.08
16.6	6.7	1	0.951807229	0.29787234	0	-0.97	-0.84	-0.84	0.95	0.92	0.87	0.97	0.99	0.91
17.4	4.5	1	1.000000000	0.18085106	1	-0.90	-0.77	-0.77	1.00	0.98	0.93	1.10	1.16	1.08

Test Data		Apply normalization		Min	-1.52	-1.39	-1.38	0.00	0.00	0.00	0.00	0.00	0.00
Att1	Att2	Att1	Att2										
0.8	6.3	0.000000000	0.27659574										
1.4	8.1	0.03614458	0.37234043										
2.1	7.4	0.07831325	0.33510638										

Test Data

(test_x - train_x) + (test_y - train_y)					
Working					
Att1	Att2	k1	K3	K5	k7
0.8	6.3	1	1	1	1
1.4	8.1	1	1	1	1
2.1	7.4	1	1	1	1

root(sum(pi-qi)**2)					
Working					
Att1	Att2	k1	K3	K5	k7
0.8	6.3	0	0	0	0
1.4	8.1	0	0	0	0
2.1	7.4	0	0	0	0

sum(abs(pi-qi))					
Working					
Att1	Att2	k1	K3	K5	k7
0.8	6.3	0	0	0	0
1.4	8.1	0	0	0	0
2.1	7.4	0	0	0	0

Att1	Att2	Loss	Loss	Loss
0.078313	0.335106	0.136824	0.097757	0.136824
		0.004935	0.056255	0.079403
		0	0	0
		-0.39714	0.368255	0.397142
		-0.55973	0.395815	0.559728
		-0.53127	0.423322	0.531274
		-0.65112	0.482541	0.651115
		-0.64112	0.537002	0.641118
		-0.71732	0.599277	0.717316
		-0.57261	0.622326	0.668354
		-0.30947	0.726483	0.979685
		-1.38176	0.977744	1.381761
		-1.31934	0.938041	1.319341
		-1.34517	0.971758	1.345168
		-1.08062	0.863892	1.08062
		-0.83626	0.874287	0.910728
		-0.76743	0.934506	1.075942