Normalize Data ((x-mean)/Std))

		x1-mean	x1-mean	x-mean / std	x-mean / std		(test_x - train_x) + (test_y - train_y)			root(sum(pi-qi)**2)			sum(abs(pi-qi))		
Att1	**Att2**	Att1	Att2	Att1	Att2	Class	s1 loss	s2 loss	s3 loss	s1 loss	s2 loss	s3 loss	s1 loss	s2 loss	s3 loss
0.8	6.3	-9.38235294	-4.07647059	-1.67507851	-0.80320588	0	0.00	0.46	0.45	0.00	0.37	0.32	0.00	0.46	0.45
1.4	8.1	-8.78235294	-2.27647059	-1.5679575	-0.44854354	0	-0.46	0.00	-0.01	0.37	0.00	0.19	0.46	0.00	0.26
2.1	7.4	-8.08235294	-2.97647059	-1.44298299	-0.58646779	0	-0.45	0.01	0.00	0.32	0.19	0.00	0.45	0.26	0.00
2.6	14.3	-7.58235294	3.92352941	-1.35371548	0.77307117	1	-1.90	-1.44	-1.45	1.61	1.24	1.36	1.90	1.44	1.45
6.8	12.6	-3.38235294	2.22352941	-0.60386843	0.4381123	0	-2.31	-1.85	-1.86	1.64	1.31	1.32	2.31	1.85	1.86
8.8	9.8	-1.38235294	-0.57647059	-0.2467984	-0.11358467	1	-2.12	-1.66	-1.67	1.59	1.36	1.29	2.12	1.66	1.67
9.2	11.6	-0.98235294	1.22352941	-0.1753844	0.24107767	0	-2.54	-2.08	-2.10	1.83	1.55	1.51	2.54	2.08	2.10
10.8	9.6	0.61764706	-0.77647059	0.11027163	-0.1529916	1	-2.44	-1.97	-1.99	1.90	1.70	1.61	2.44	1.97	1.99
11.8	9.9	1.61764706	-0.47647059	0.28880664	-0.09388121	1	-2.67	-2.21	-2.22	2.09	1.89	1.80	2.67	2.21	2.22
12.4	6.5	2.21764706	-3.87647059	0.39592765	-0.76379896	1	-2.11	-1.65	-1.66	2.07	1.99	1.85	2.11	2.28	2.02
12.8	1.1	2.61764706	-9.27647059	0.46734165	-1.82778597	0	-1.12	-0.66	-0.67	2.37	2.46	2.28	3.17	3.41	3.15
14	19.9	3.81764706	9.52352941	0.68158367	1.87646511	1	-5.04	-4.57	-4.59	3.57	3.24	3.25	5.04	4.57	4.59
14.2	18.5	4.01764706	8.12352941	0.71729067	1.60061663	0	-4.80	-4.33	-4.35	3.39	3.07	3.07	4.80	4.33	4.35
15.6	17.4	5.41764706	7.02352941	0.96723969	1.38387853	1	-4.83	-4.37	-4.38	3.43	3.13	3.11	4.83	4.37	4.38
15.8	12.2	5.61764706	1.82352941	1.00294669	0.35929845	0	-3.84	-3.38	-3.39	2.92	2.69	2.62	3.84	3.38	3.39
16.6	6.7	6.41764706	-3.67647059	1.1457747	-0.72439203	1	-2.90	-2.44	-2.45	2.82	2.73	2.59	2.90	2.99	2.73
17.4	4.5	7.21764706	-5.87647059	1.28860271	-1.15786822	1	-2.61	-2.15	-2.16	2.98	2.94	2.79	3.32	3.57	3.30
							-5.03633317	-4.57454982	-4.58749956	0	0	0	0	0	0
											minimum				

Means	10.1823529	10.3764706
Std	5.60114222	5.07524992

Mean	0	0
Std	1.0000000	1.0000000

Test Data

Att1	Att2
0.8	6.3
1.4	8.1
2.1	7.4

Apply normalization

Att1	Att2
-1.67507851	-0.80320588
-1.5679575	-0.44854354
-1.44298299	-0.58646779

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

		loss	root_mean_square	mean_absolute
Att1	Att2	L1	L2	L3
-1.44298299	-0.58646779	0.4	0.3	0.4
		0.0	0.2	0.3
		0.0	0.0	0.0
		-1.4	1.4	1.4
		-1.9	1.3	1.9
		-1.7	1.3	1.7
		-2.1	1.5	2.1
		-2.0	1.6	2.0
		-2.2	1.8	2.2
		-1.7	1.8	2.0
		-0.7	2.3	3.2
		-4.6	3.3	4.6
		-4.3	3.1	4.3
		-4.4	3.1	4.4
		-3.4	2.6	3.4
		-2.5	2.6	2.7
		-2.2	2.8	3.3