1	100% Dataset			25% Dataset		5% Dataset			1% Dataset		
(Rank,MaxIter,Reg)	RMSE	RUNTIME	(Rank,MaxIter,Reg	RMSE	RUNTIME	(Rank,MaxIter,Reg)	RMSE	RUNTIME	(Rank,MaxIter,Reg)	RMSE	RUNTIME
(20,10,0.1)	0.8280620259	1083.9011	(10, 10, 0.01)	1.092652367	457.37342	(15, 10, 0.01)	1.530085289	170.95418	(10, 10, 0.01)	2.102912881	67.19825
(20,10,0.01)	0.9017563741	1325.87645	(15, 10, 0.01)	1.113526649	887.35707	(16, 10, 0.01)	1.528310695	187.4078	(15, 10, 0.01)	1.913327718	61.58017
(25,10,0.1)	0.8268152294	1677.67484	(20,10,0.01)	1.125610315	1123.68323	(17, 10, 0.01)	1.527314123	195.37225	(16, 10, 0.01)	1.916245625	61.22694
(25,10,0.01)	0.9081534667	1750.34979	(25,10, 0.1)	0.8963203185	1006.92284	(18, 10, 0.01)	1.519136432	218.63439	(17, 10, 0.01)	1.905710569	65.1497
(30,10,0.1)	0.8260922467	1655.63719	(25, 10, 0.01)	1.137665674	795.86822	(19, 10, 0.01)	1.521786426	245.50013	(18, 10, 0.01)	1.916051538	57.63646
(30,10,0.01)	0.9132506163	2432.30352	(30, 10, 0.1)	0.8956324349	1272.13186	(20, 10, 0.01)	1.516723502	195.87573	(19, 10, 0.01)	1.905961751	54.27765
(50,10,0.1)	0.8244731456	2655.29246	(30, 10, 0.01)	1.140069106	1061.58761	(21, 10, 0.01)	1.515266505	208.89717	(20, 10, 0.01)	1.909475794	67.71065
(20,15,0.001)	1.081273103	2510.23531	(50, 10, 0.1)	0.8933498148	1295.26898	(22, 10, 0.01)	1.517982864	262.43506	(21, 10, 0.01)	1.906188695	84.10007
(20,15,0.5)	0.9826545096	1324.85451	(40,10, 0.01)	1.144560338	1336.31196	(23, 10, 0.01)	1.509151	260.74154	(22, 10, 0.01)	1.90842573	62.08019
(20,20,0.001)	1.062023453	3146.43004	(40, 10, 0.1)	0.8941941865	958.43052	(24, 10, 0.01)	1.50100543	354.78078	(23, 10, 0.01)	1.9085115	146.09093
(20,20,0.5)	0.9826990485	1684.00494	(40, 10, 1)	1.318151148	476.01685	(25, 10, 0.01)	1.502983406	290.72523	(24, 10, 0.01)	1.896067731	89.85521
			(50, 15, 0.1)	0.8905453664	1857.97531	(10, 10, 0.01)	1.531958102	136.46345	(25, 10, 0.01)	1.911777626	76.60179
			(50, 20, 0.1)	0.8896555544	2288.39139	(20, 10, 0.01)	1.516723543	209.77145	(30, 10, 0.01)	1.919662836	75.80026
			(60, 15, 0.1)	0.8900114111	2523.82427	(30, 10, 0.01)	1.491534591	266.45392	(40, 10, 0.01)	1.922894005	96.59519
			(60, 20, 0.1)	0.8891404416	3149.39003	(40, 10, 0.01)	1.48467344	432.97793	(50, 10, 0.01)	1.935781667	122.58772
	optimal hyperpar	ameters	(42, 10, 0.1)	0.8939770587	1095.44358	(50, 10, 0.01)	1.480143303	620.47685	(60, 10, 0.01)	1.931768445	161.0789
			(44, 10, 0.1)	0.8937151692	1155.2739	(60, 10, 0.01)	1.484279562	893.5228	(70, 10, 0.01)	1.931019919	193.87193
			(46, 10, 0.1)	0.8937616883	1017.38946	(70, 10, 0.01)	1.486836842	1122.13911	(80, 10, 0.01)	1.934655578	+
			(34, 10, 0.1)	0.894790668	704.32922	(80, 10, 0.01)	1.495166926	1467.52491	(100, 10, 0.01)	1.928402664	446.34356
			(36, 10, 0.1)	0.8947730612	765.07557	(90, 10, 0.01)	1.502686085	2238.62057			
			(38, 10, 0.1)	0.8945927935	870.42662	(100, 10, 0.01)	1.505943364	2903.16575			
			(32, 10, 0.1)	0.8951392394	866.16406	(42, 10, 0.01)	1.474976819	636.91672			
			(30, 10, 0.1)	0.895632435	816.11016	(45, 10, 0.01)	1.481325735	624.98941			
			(28, 10, 0.1)	0.8954895516	653.73384	(48, 10, 0.01)	1.477743393	704.71292			
						(51, 10, 0.01)	1.480143303	684.99045			
						(53, 10, 0.01)	1.479851626	672.3221			
						(56, 10, 0.01)	1.48295356	898.19525			
						(50, 2, 0.01)	2.186390556	257.16737			
						(50, 5, 0.01)	1.655580545	380.404			
						(50, 8, 0.01)	1.529577224	584.89347			
						(50, 10, 0.01)	1.4801433	728.48816			
						(50, 12, 0.01)	1.442540421	904.28728			
						(50, 15, 0.01)	1.399273458	1065.80647			
						(50, 18, 0.01)	1.365499201	1086.15863			
						(50, 20, 0.01)	1.346368435	1225.07318			
						(50, 10, 0.0001)	3.160753837	3313.78813			
						(50, 10, 0.001)	2.144235203	1467.08118			
						(50, 10, 0.01)	1.480143301	606.79283			
						(50, 10, 0.05)	1.122285029	627.80341			
						(50, 10, 0.1)	1.04964022	415.14915			
						(50, 10, 0.5)	1.038420308	296.51064			
						(50, 10, 1)	1.340256496	244.84617			