Table 3. RRMSE results

			%5					%10					%20		
	SSS	No FR	Symbolic	Genie3	RFI	SSS	No FR	Symbolic	Genie3	RFI	SSS	No FR	Symbolic	Genie3	RFI
OES10	0.7408	0.7439	0.7389	0.7429	0.7390	0.6593	0.6629	0.6575	0.6604	0.6594	0.5785	0.6569	0.5669	0.5676	0.5684
y_1	0.7333	0.7366	0.7319	0.7301	0.7321	0.6411	0.6459	0.6412	0.6416	0.6423	0.5551	0.6424	0.5761	0.5716	0.5741
y_2	0.6934	0.6977	0.6938	0.6967	0.6924	0.5780	0.5811	0.5771	0.5827	0.5814	0.4899	0.5788	0.5056	0.5057	0.5059
y_3	0.7163	0.7173	0.7142	0.7215	0.7143	0.6072	0.6117	0.6089	0.6105	0.6098	0.5004	0.6093	0.5131	0.5208	0.5208
y_4	0.7814	0.7799	0.7762	0.7749	0.7762	0.7163	0.7187	0.7119	0.7162	0.7127	0.6105	0.7136	0.5777	0.5851	0.5816
y_5	0.8145	0.8088	0.8049	0.8059	0.8057	0.7047	0.7055	0.6970	0.7055	0.6963	0.6315	0.7086	0.6012	0.6048	0.6071
y_6	0.8546	0.8526	0.8502	0.8505	0.8516	0.8112	0.8115	0.8059	0.8074	0.8105	0.7422	0.8038	0.6734	0.6754	0.6776
y_7	0.7537	0.7597	0.7542	0.7590	0.7546	0.6793	0.6876	0.6822	0.6849	0.6823	0.5904	0.6805	0.5720	0.5791	0.5749
y_8	0.7033	0.7096	0.7010	0.7149	0.7033	0.6256	0.6338	0.6277	0.6309	0.6292	0.5442	0.6284	0.5480	0.5490	0.5505
y_9	0.8353	0.8319	0.8270	0.8505	0.8301	0.7551	0.7611	0.7530	0.7574	0.7552	0.6853	0.7639	0.6901	0.6907	0.6895
y_{10}	0.6666	0.6729	0.6676	0.6788	0.6669	0.5730	0.5775	0.5703	0.5755	0.5738	0.4916	0.5789	0.4878	0.4916	0.4906
y_{11}	0.6867	0.7005	0.6897	0.6867	0.6892	0.6287	0.6254	0.6261	0.6235	0.6260	0.5625	0.6256	0.5751	0.5721	0.5786
y_{12}	0.6396	0.6486	0.6412	0.6494	0.6389	0.5507	0.5564	0.5502	0.5531	0.5520	0.4445	0.5501	0.4123	0.4143	0.4133
y_{13}	0.8078	0.8063	0.8055	0.8035	0.8048	0.7757	0.7721	0.7676	0.7675	0.7706	0.7360	0.7369	0.6915	0.6725	0.6800
y_{14}	0.6935	0.7015	0.6932	0.6977	0.6929	0.6107	0.6203	0.6140	0.6169	0.6145	0.5222	0.6066	0.4872	0.4896	0.4906
y_{15}	0.7572	0.7600	0.7563	0.7562	0.7568	0.6546	0.6573	0.6522	0.6553	0.6552	0.5667	0.6493	0.5745	0.5783	0.5765
y_{16}	0.7158	0.7180	0.7155	0.7101	0.7150	0.6367	0.6405	0.6348	0.6381	0.6388	0.5828	0.6337	0.5842	0.5801	0.5824
OES97	0.8036	0.8108	0.8056	0.8084	0.8065	0.7128	0.7445	0.7407	0.7430	0.7427	0.6421	0.6479	0.6402	0.6458	0.6406
y_1	0.7279	0.7422	0.7334	0.7360	0.7345	0.6373	0.6741	0.6681	0.6704	0.6683	0.5497	0.5618	0.5485	0.5555	0.5488
y_2	0.7566	0.7729	0.7672	0.7843	0.7683	0.6740	0.7224	0.7192	0.7222	0.7207	0.5826	0.6053	0.5940	0.5986	0.5924
y_3	0.8819	0.8829	0.8766	0.8743	0.8806	0.8048	0.8339	0.8330	0.8329	0.8283	0.7566	0.7559	0.7504	0.7595	0.7530
y_4	0.7641	0.7636	0.7565	0.7623	0.7538	0.5770	0.6248	0.6187	0.6213	0.6292	0.4971	0.5028	0.4975	0.5089	0.5116
y_5	0.8349	0.8492	0.8478	0.8492	0.8485	0.7964	0.8139	0.8017	0.8073	0.8024	0.7665	0.7638	0.7598	0.7651	0.7582
y_6	0.8587	0.8663	0.8642	0.8641	0.8636	0.7482	0.7769	0.7794	0.7784	0.7733	0.7053	0.7026	0.7011	0.7000	0.6919
y_7	0.8369	0.8370	0.8342	0.8342	0.8330	0.7250	0.7733	0.7694	0.7723	0.7668	0.6357	0.6352	0.6350	0.6356	0.6319
y_8	0.7536	0.7651	0.7562	0.7616	0.7583	0.6436	0.6876	0.6825	0.6841	0.6859	0.5251	0.5389	0.5266	0.5359	0.5289
y_9	0.7333	0.7343	0.7261	0.7234	0.7283	0.5936	0.6425	0.6338	0.6352	0.6452	0.5003	0.5081	0.4927	0.5006	0.5009
y_{10}	0.8113	0.8248	0.8204	0.8257	0.8200	0.7590	0.7719	0.7676	0.7713	0.7650	0.6844	0.7003	0.6872	0.6984	0.6945
y_{11}	0.8276	0.8371	0.8305	0.8331	0.8326	0.7832	0.7976	0.7993	0.8011	0.7994	0.7054	0.7104	0.7062	0.7068	0.6963
y_{12}	0.7965	0.8059	0.8016	0.8030	0.8012	0.7159	0.7358	0.7353	0.7382	0.7350	0.6374	0.6427	0.6374	0.6448	0.6320
y_{13}	0.7763	0.7842	0.7779	0.7828	0.7776	0.6585	0.6792	0.6785	0.6843	0.6919	0.5968	0.6057	0.6004	0.6029	0.5972
y_{14}	0.8471	0.8620	0.8585	0.8624	0.8609	0.8343	0.8625	0.8528	0.8567	0.8544	0.7812	0.7937	0.7815	0.7880	0.7811
y_{15}	0.8241	0.8157	0.8143	0.8122	0.8159	0.7085	0.7399	0.7402	0.7390	0.7413	0.6650	0.6520	0.6491	0.6531	0.6521
y_{16}	0.8271	0.8300	0.8242	0.8257	0.8276	0.7455	0.7761	0.7712	0.7731	0.7763	0.6841	0.6867	0.6752	0.6796	0.6792
ATP1D	0.6623	0.6574	0.6497	0.6489	0.6495	0.5781	0.5765	0.5811	0.5774	0.5791	0.6561	0.6670	0.6638	0.6536	0.6635
y_1	0.7238	0.7195	0.7174	0.7100	0.7110	0.6549	0.6398	0.6526	0.6577	0.6428	0.7355	0.7573	0.7508	0.7349	0.7490
y_2	0.7264	0.7163	0.7128	0.6986	0.7033	0.6201	0.6113	0.6133	0.6140	0.6093	0.7046	0.7101	0.7139	0.7037	0.7094
y_3	0.6364	0.6331	0.6228	0.6201	0.6193	0.5599	0.5554	0.5600	0.5466	0.5606	0.6171	0.6250	0.6243	0.6146	0.6261
y_4	0.5759	0.5675	0.5560	0.5653	0.5659	0.4852	0.4922	0.4958	0.4849	0.4961	0.5458	0.5597	0.5470	0.5424	0.5509
y_5	0.7318	0.7350	0.7258	0.7236	0.7227	0.6546	0.6554	0.6575	0.6633	0.6568	0.7816	0.7862	0.7947	0.7774	0.7901
y_6	0.5792	0.5731	0.5635	0.5760	0.5745	0.4935	0.5046	0.5071	0.4978	0.5091	0.5523	0.5637	0.5520	0.5487	0.5555
ATP7D	0.8053	0.8047	0.8007	0.7974	0.8055	0.7144	0.7279	0.7701	0.7151	0.7270	0.6561	0.6670	0.6638	0.6536	0.6635
y_1	0.8801	0.8760	0.8741	0.8855	0.8755	0.8025	0.8215	0.8540	0.8207	0.8221	0.7355	0.7573	0.7508	0.7349	0.7490
y_2	0.8812	0.8730	0.8743	0.8704	0.8773	0.7562	0.7535	0.8379	0.7519	0.7644	0.7046	0.7101	0.7139	0.7037	0.7094
y_3	0.7569	0.7558	0.7480	0.7371	0.7553	0.6819	0.7035	0.7270	0.6725	0.6805	0.6171	0.6250	0.6243	0.6146	0.6261
y_4	0.7098	0.7148	0.7094	0.6983	0.7204	0.6003	0.6155	0.6600	0.5924	0.6145	0.5458	0.5597	0.5470	0.5424	0.5509
y_5	0.8892	0.8881	0.8830	0.8876	0.8803	0.8381	0.8541	0.8919	0.8551	0.8597	0.7816	0.7862	0.7947	0.7774	0.7901
y_6	0.7149	0.7205	0.7153	0.7054	0.7244	0.6077	0.6195	0.6496	0.5980	0.6209	0.5523	0.5637	0.5520	0.5487	0.5555
MP6	0.8260	0.8478	0.8481	0.8282	0.8291	0.7126	0.7184	0.7218	0.7217	0.7222	0.6039	0.6172	0.6178	0.6180	0.6201
y_1	0.8239	0.8461	0.8465	0.8262	0.8271	0.7098	0.7157	0.7192	0.7190	0.7196	0.6015	0.6148	0.6153	0.6156	0.6177
y_2	0.8250	0.8470	0.8474	0.8273	0.8281	0.7113	0.7171	0.7206	0.7204	0.7210	0.6027	0.6160	0.6166	0.6168	0.6189
y_3	0.8284	0.8497	0.8500	0.8305	0.8314	0.7159	0.7214	0.7249	0.7247	0.7253	0.6067	0.6201	0.6206	0.6209	0.6229
y_4	0.8266	0.8483	0.8486	0.8288	0.8297	0.7135	0.7192	0.7226	0.7225	0.7231	0.6046	0.6180	0.6185	0.6188	0.6208
MP5	0.8136	0.7811	0.8175	0.8176	0.8178	0.7411	0.7983	0.7299	0.7313	0.7410	0.6046	0.6163	0.6147	0.6161	0.6147
y_1	0.8150	0.7826	0.8188	0.8190	0.8191	0.7430	0.7996	0.7313	0.7327	0.7427	0.6059	0.6175	0.6158	0.6173	0.6158
y_2	0.8086	0.7761	0.8125	0.8127	0.8128	0.7352	0.7937	0.7248	0.7262	0.7354	0.6000	0.6117	0.6102	0.6117	0.6102
y_3	0.8175	0.7850	0.8214	0.8215	0.8216	0.7455	0.8017	0.7338	0.7352	0.7452	0.6082	0.6199	0.6182	0.6196	0.6182
y_4	0.8133	0.7808	0.8172	0.8174	0.8175	0.7406	0.7980	0.7297	0.7311	0.7406	0.6044	0.6162	0.6146	0.6160	0.6146
Water Quality	0.9762	0.9648	0.9743	0.9772	0.9862	0.9616	0.9497	0.9609	0.9674	0.9686	0.9464	0.9350	0.9474	0.9534	0.9545
y_1	0.9922	0.9797	0.9847	0.9878	0.9883	0.9772	0.9637	0.9688	0.9720	0.9688	0.9650	0.9510	0.9566	0.9609	0.9650
y_2	1.0181	1.0127	1.0161	1.0137	1.0064	1.0198	1.0109	1.0127	1.0153	1.0080	1.0073	0.9985	1.0076	1.0086	1.0075
y_3	0.9986	0.9805	0.9848	0.9849	0.9956	0.9918	0.9777	0.9849	0.9914	0.9864	0.9770	0.9708	0.9695	0.9794	0.9948
y_4	0.9636	0.9589	0.9731	0.9802	0.9816	0.9502	0.9445	0.9555	0.9640	0.9685	0.9255	0.9240	0.9290	0.9410	0.9461
y_5	0.9857	0.9779	0.9876	0.9893	0.9983	0.9641	0.9521	0.9705	0.9718	0.9799	0.9504	0.9429	0.9580	0.9581	0.9584
y_6	0.8971	0.8808	0.9109	0.9191	0.9432	0.8835	0.8746	0.8887	0.9136	0.9283	0.8659	0.8584	0.8687	0.8924	0.8779
y_7	1.0091	0.9957	1.0061	1.0072	1.0090	1.0009	0.9812	0.9997	1.0041	1.0081	0.9959	0.9739	0.9931	0.9990	0.9983
y_8	0.9681	0.9534	0.9497	0.9604	0.9761	0.9410	0.9357	0.9398	0.9490	0.9510	0.9409	0.9266	0.9312	0.9355	0.9469
y_9	0.9614	0.9383	0.9429	0.9448	0.9628	0.9411	0.9058	0.9357	0.9167	0.9103	0.8989	0.8791	0.9194	0.8867	0.9054
y_{10}	0.9939	0.9942	0.9994	0.9898	0.9952	0.9658	0.9625	0.9645	0.9829	0.9818	0.9432	0.9388	0.9418	0.9732	0.9501
y_{11}	0.9953	0.9778	0.9799	0.9874	0.9911	0.9820	0.9678	0.9825	0.9726	0.9734	0.9706	0.9497	0.9687	0.9632	0.9702
y_{12}	0.9708	0.9569	0.9748	0.9722	0.9904	0.9561	0.9547	0.9589	0.9674	0.9799	0.9298	0.9261	0.9402	0.9396	0.9588
y_{13}	1.0059	1.0063	1.0075	1.0102	1.0094	1.0051	0.9891	1.0047	1.0041	1.0047	1.0036	0.9891	1.0081	1.0031	1.0041
y_{14}	0.9069	0.8936	0.9233	0.9331	0.9593	0.8845	0.8757	0.8858	0.9193	0.9109	0.8751	0.8610	0.8713	0.9073	0.8794

Table 4. RRMSE results (continued)

			%5					%10					%20		
	SSS	No FR	Symbolic	Genie3	RFI	SSS	No FR	Symbolic	Genie3	RFI	SSS	No FR	Symbolic	Genie3	RFI
Jura	0.7908	0.8121	0.7914	0.7912	0.7937	0.7328	0.8299	0.7332	0.7315	0.7329	0.6952	0.6960	0.6906	0.6901	0.6910
y_1	0.8314	0.8439	0.8316	0.8286	0.8296	0.7838	0.8763	0.7811	0.7817	0.7834	0.7488	0.7451	0.7422	0.7413	0.7444
y_2	0.7778	0.7658	0.7540	0.7801	0.7803	0.6720	0.8505	0.6760	0.6851	0.6848	0.6462	0.6330	0.6355	0.6440	0.6471
y_3	0.7633	0.8266	0.7887	0.7649	0.7713	0.7425	0.7628	0.7425	0.7278	0.7304	0.6905	0.7100	0.6941	0.6849	0.6814
Edm	0.9350	0.9096	0.9164	0.9115	0.9041	0.8380	0.8373	0.8301	0.8363	0.8261	0.7883	0.7989	0.7880	0.7838	0.7804
y_1	0.9689	0.9510	0.9618	0.9570	0.9534	0.8882	0.8727	0.8658	0.8798	0.8686	0.8319	0.8335	0.8027	0.8008	0.7950
y_2	0.9011	0.8682	0.8709	0.8659	0.8547	0.7878	0.8019	0.7943	0.7927	0.7836	0.7447	0.7642	0.7733	0.7667	0.7657
Friedman	0.9895	0.9861	0.9921	0.9934	0.9942	0.9767	0.9949	0.9768	0.9761	0.9755	0.9583	0.9668	0.9594	0.9586	0.9613
y_1	1.0113	0.9972	1.0029	1.0036	1.0076	1.0165	1.0049	1.0177	1.0165	1.0159	1.0142	1.0058	1.0137	1.0122	1.0103
y_2	1.0144	1.0054	1.0162	1.0128	1.0236	1.0182	1.0123	1.0169	1.0142	1.0135	1.0137	1.0136	1.0148	1.0153	1.0225
y_3	1.0131	0.9895	1.0104	1.0114	1.0126	1.0174	1.0086	1.0160	1.0153	1.0134	1.0174	1.0103	1.0187	1.0180	1.0152
y_4	1.0261	1.0083	1.0172	1.0192	1.0261	1.0221	1.0127	1.0259	1.0242	1.0245	1.0307	1.0200	1.0318	1.0292	1.0342
y_5	1.0170	1.0014	1.0159	1.0158	1.0071	1.0132	1.0065	1.0144	1.0159	1.0149	1.0178	1.0113	1.0229	1.0215	1.0286
y_6	0.8550	0.9148	0.8899	0.8974	0.8882	0.7728	0.9243	0.7701	0.7704	0.7710	0.6559	0.7397	0.6544	0.6552	0.6569
Wisconsin Cancer	1.0002	0.9929	0.9909	0.9932	0.9969	1.0066	0.9980	0.9879	0.9989	0.9919	0.9729	0.9779	0.9725	0.9943	0.9708
y_1	1.0062	1.0010	0.9950	0.9995	1.0062	1.0170	0.9990	0.9839	0.9996	0.9904	0.9667	0.9741	0.9532	1.0087	0.9661
y_2	0.9942	0.9847	0.9867	0.9869	0.9875	0.9961	0.9969	0.9919	0.9981	0.9934	0.9791	0.9816	0.9917	0.9798	0.9755
CPU	0.6532	0.6501	0.6569	0.6545	0.8545	0.6358	0.6315	0.6354	0.6361	0.7229	0.6263	0.6196	0.6259	0.6266	0.7502
y_1	0.3503	0.3468	0.3537	0.3491	0.6945	0.3320	0.3257	0.3363	0.3327	0.4577	0.3208	0.3111	0.3236	0.3206	0.5429
y_2	0.3521	0.3491	0.3554	0.3505	0.6960	0.3336	0.3276	0.3378	0.3342	0.4611	0.3224	0.3129	0.3253	0.3221	0.5470
y_3	1.0306	1.0157	1.0329	1.0346	1.0218	1.0158	1.0068	1.0142	1.0186	1.0166	1.0170	1.0081	1.0107	1.0202	1.0193
y_4	0.8798	0.8889	0.8856	0.8839	1.0057	0.8617	0.8660	0.8534	0.8588	0.9562	0.8448	0.8464	0.8438	0.8436	0.8917