Experiments results for x1.large Instance type

TABLE I: Experiment 1. Summary of errors for next hour prediction. Highlighted values correspond to algorithms that obtained the best performance.

	Month	MSE (1 hour)				MaxPE (1 hour)				MeanPE (1 hour)			
		A1	A2	A3	A4	A1	A2	A3	A4	A1	A2	A3	A4
High	APR	0.278784	**0.000484**	0.012769	0.009216	5.280000	0.220000	**0.000000**	0.960000	5.280000	0.220000	**0.000000**	0.960000
	MAR	4.359744	**0.140625**	0.874225	1.034289	**0.000000**	3.750000	9.350000	10.170000	**0.000000**	3.750000	9.350000	10.170000
	MAY	0.006889	**0.000004**	0.000289	0.000441	0.830000	0.020000	**0.000000**	**0.000000**	0.830000	0.020000	**0.000000**	**0.000000**
	Best Performance out 3	0	3	0	0	1	0	2	1	1	0	2	1
	Error Average	1.548472	**0.047038**	0.295761	0.347982	2.036667	**1.330000**	3.116667	3.710000	2.036667	**1.330000**	3.116667	3.710000
Medium	AGO	0.000324	**0.000256**	0.005476	0.001024	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**
	SET	**0.000000**	**0.000000**	0.000001	**0.000000**	**0.000000**	**0.000000**	0.010000	**0.000000**	**0.000000**	**0.000000**	0.010000	**0.000000**
	FEB	0.000016	0.000064	0.005184	0.013456	0.040000	0.080000	**0.000000**	**0.000000**	0.040000	0.080000	**0.000000**	**0.000000**
	JUN	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**
	NOV	0.087025	**0.000009**	0.001681	0.001849	**0.000000**	0.030000	**0.000000**	**0.000000**	**0.000000**	0.030000	**0.000000**	**0.000000**
	Best Performance out 5	2	4	1	1	4	3	4	5	4	3	4	5
	Error Average	0.029014	**0.000024**	0.002288	0.005102	0.013333	0.036667	**0.000000**	**0.000000**	0.013333	0.036667	**0.000000**	**0.000000**
Low	JAN	5.678689	**0.041616**	0.090601	0.184900	23.830000	**2.040000**	3.010000	4.300000	23.830000	**2.040000**	3.010000	4.300000
	JUL	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**
	OCT	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**
	Best Performance out 3	2	3	2	2	2	3	2	2	2	3	2	2
	Error Average	1.892896	0.013872	0.030200	0.061633	7.943333	0.680000	1.003333	1.433333	7.943333	0.680000	1.003333	1.433333

TABLE II: Experiment 2. Summary of errors for 12 hours prediction. Highlighted values correspond to algorithms that obtained the best performance.

		MSE (12 hours)				MaxPE (12 hours)				MeanPE (12 hours)			
	Month	A1	A2	A3	A4	A1	A2	A3	A4	A1	A2	A3	A4
High	APR	8.879698	**0.148087**	43.249525	143.003754	5.280000	0.220000	**0.000000**	0.960000	0.440000	0.030833	**0.000000**	0.080000
	MAR	5.336290	**0.037763**	0.775928	0.790711	45.870000	**3.750000**	12.900000	14.500000	7.422500	**1.559167**	8.174167	7.535833
	MAY	0.006624	**0.000006**	0.027487	0.027966	1.060000	0.020000	**0.000000**	**0.000000**	0.800833	0.001667	**0.000000**	**0.000000**
	Best Performance out 3	0	3	0	0	0	1	2	1	0	1	2	1
	Error Average	4.740871	**0.061952**	14.684313	47.940810	17.403333	**1.330000**	4.300000	5.153333	2.887778	**0.530556**	2.724722	2.538611
Medium	AGO	0.004318	**0.002905**	0.027389	0.011175	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**
	SET	0.000001	0.000001	0.000001	**0.000000**	0.002500	0.005833	0.011667	**0.000000**	0.010000	0.010000	0.020000	**0.000000**
	FEB	**0.000562**	0.003958	0.195728	0.761822	0.400000	1.030000	**0.000000**	**0.000000**	0.210000	0.555833	**0.000000**	**0.000000**
	JUN	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**
	NOV	3.526009	**0.000147**	0.019351	0.005203	**0.000000**	0.170000	**0.000000**	**0.000000**	**0.000000**	0.112500	**0.000000**	**0.000000**
	Best Performance out 5	2	3	1	2	3	2	4	5	3	2	4	5
	Error Average	0.706178	**0.001402**	0.048494	0.155640	0.080500	0.241167	0.002333	**0.000000**	0.044000	0.135667	0.004000	**0.000000**
Low	JAN	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**
	JUL	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**
	OCT	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**
	Best Performance out 3	3	3	3	3	3	3	3	3	3	3	3	3
	Error Average	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

TABLE III: Experiment 3. Summary of errors for 24 hours prediction. Highlighted values correspond to algorithms that obtained the best performance.

	Month	MSE (24 hours)				MaxPE (24 hours)				MeanPE (24 hours)			
		A1	A2	A3	A4	A1	A2	A3	A4	A1	A2	A3	A4
High	APR	8.957309	**0.019327**	1.753673	6.286020	5.280000	0.220000	**0.000000**	0.960000	0.220000	0.015417	**0.000000**	0.040000
	MAR	5.848231	**0.489322**	0.792200	0.908078	47.300000	**3.750000**	13.370000	16.400000	11.026250	**0.784583**	7.307500	7.772500
	MAY	0.005458	**0.000005**	0.015543	0.016465	1.060000	**0.030000**	0.060000	0.190000	0.725833	0.009167	**0.002500**	0.010417
	Best Performance	0	3	0	0	0	2	1	0	0	1	2	0
			out 3				out 3				out 3		
	Error Average	4.936999	**0.169551**	0.853805	2.403521	17.880000	**1.333333**	4.476667	5.850000	3.990694	**0.269722**	2.436667	2.607639
Medium	AGO	0.002630	**0.001817**	0.045366	0.011075	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**
	SET	**0.000001**	0.000002	**0.000001**	**0.000001**	**0.002917**	0.010833	**0.011667**	**0.005417**	**0.020000**	0.030000	**0.020000**	**0.020000**
	FEB	0.019842	**0.017638**	1.020704	5.599581	3.290000	2.300000	**0.000000**	**0.000000**	0.995833	1.141667	**0.000000**	**0.000000**
	JUN	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	0.010000	0.010000	**0.000000**	**0.000000**	0.001667	0.001250
	NOV	2.577000	**0.000457**	0.065738	0.004777	**0.000000**	0.320000	**0.000000**	**0.000000**	**0.000000**	0.193333	**0.000000**	**0.000000**
	Best Performance	2	4	2	2	4	2	4	4	4	2	4	4
			out 5				out 5				out 5		
	Error Average	0.519895	**0.003983**	0.226362	1.123087	0.658583	0.526167	0.004333	**0.003083**	0.203167	0.273000	0.004333	**0.004250**
Low	JAN	13.037059	**4.065898**	7.298450	4.484866	55.680000	**36.600000**	36.760000	39.030000	25.831250	11.210000	**9.160000**	12.433750
	JUL	**0.000000**	**0.000000**	**0.000001**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	0.010000	**0.000000**	**0.000000**	**0.000000**	0.002917
	OCT	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**
	Best Performance	2	3	2	2	2	3	2	1	2	2	2	1
			out 3				out 3				out 3		
	Error Average	4.345686	**1.355299**	2.432817	1.494955	18.560000	**12.200000**	12.253333	13.013333	8.610417	3.736667	**3.053333**	4.145556