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
	SET	3.210432	1.980742	1.358441	**1.210091**	28.360000	17.970000	16.790000	**17.160000**	8.609167	11.530833	**6.261667**	7.597500
	NOV	9.511056	**0.005625**	0.133225	0.013689	**0.000000**	0.750000	**0.000000**	**0.000000**	**0.000000**	0.750000	**0.000000**	**0.000000**
High	OCT	**0.000900**	**0.000001**	0.000484	0.000256	0.300000	0.010000	**0.000000**	0.160000	0.300000	0.010000	**0.000000**	0.160000
	Best	0	2	0	1	1	0	2	2	1	0	3	1
	Performance		out 3				out 3				out 3		
	Error Average	4.240796	0.662123	0.497383	**0.408012**	9.553333	6.243333	**5.596667**	5.773333	2.969722	4.096944	**2.087222**	2.585833
	ABR	1.038361	**0.000009**	0.001444	0.000016	**0.000000**	0.030000	**0.000000**	0.040000	**0.000000**	0.030000	**0.000000**	0.040000
	FEB	0.001936	0.000400	0.004356	**0.000001**	**0.000000**	0.200000	0.660000	0.010000	**0.000000**	0.200000	0.660000	0.010000
	AGO	**0.032041**	0.216225	0.131044	0.148225	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**
Medium	MAR	**0.000001**	**0.000001**	**0.000001**	**0.000001**	4.000000	0.010000	0.010000	0.010000	0.010000	0.010000	0.010000	0.010000
	Best	2	2	1	2	4	2	3	2	4	2	3	2
	Performance		out 4				out 4				out 4		
	Error Average	0.268085	0.054159	**0.034211**	0.037061	**1.000000**	0.060000	0.167500	0.015000	**0.002500**	0.060000	0.167500	0.015000
	MAY	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**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**
Low	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**
	Best	3	3	3	3	3	3	3	3	3	3	3	3
	Performance		out 3				out 3				out 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 II: Experiment 2. Summary of errors for 12 hours prediction. Highlighted values correspond to algorithms that obtained the best performance.

	Month	MSE (12 hours)				MaxPE (12 hours)				MeanPE (12 hours)			
		A1	A2	A3	A4	A1	A2	A3	A4	A1	A2	A3	A4
	SET	1.815505	2.517261	**1.513133**	1.632727	18.860000	17.970000	**16.790000**	17.160000	**9.958333**	14.534167	10.420000	11.286667
	NOV	5.035486	**0.073407**	0.518970	0.450108	4.210000	4.530000	**0.000000**	0.060000	0.350833	2.248333	**0.000000**	0.005000
High	OCT	0.001114	**0.000035**	0.013278	0.004440	0.370000	0.090000	**0.000000**	0.940000	0.333333	0.054167	**0.000000**	0.619167
	Best	0	2	1	0	0	0	3	0	1	0	2	0
	Performance		out 3				out 3				out 3		
	Error Average	2.284035	0.863568	**0.681794**	0.695759	7.813333	7.530000	**5.596667**	6.053333	3.547500	5.612222	**3.473333**	3.970278
	ABR	2.992488	**0.008401**	0.045538	2.027219	**0.000000**	0.030000	**0.000000**	0.040000	**0.000000**	0.002500	**0.000000**	0.003333
	FEB	0.004187	**0.000249**	0.073535	0.006034	**0.000000**	0.200000	4.060000	0.010000	**0.000000**	0.086667	2.488333	0.000833
	AGO	5.319181	1.060064	**0.795652**	1.324233	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**	**0.000000**
Medium	MAR	**0.000005**	0.000006	0.000006	0.000007	**0.010000**	0.040000	0.050000	0.050000	**0.002500**	0.010833	0.015833	0.016667
	Best	1	2	1	0	4	1	2	1	4	1	2	1
	Performance		out 4				out 4				out 4		
	Error Average	2.078965	0.267180	**0.228683**	0.839373	**0.002500**	0.067500	1.027500	**0.025000**	**0.000625**	0.025000	0.626042	0.005208
	MAY	0.000001	**0.000000**	**0.000000**	**0.000000**	0.010000	**0.000000**	**0.000000**	**0.000000**	0.009167	**0.000000**	**0.000000**	**0.000000**
	JUN	**0.000000**	**0.000000**	0.000001	**0.000000**	**0.000000**	**0.000000**	0.010000	**0.000000**	**0.000000**	**0.000000**	0.007500	**0.000000**
Low	JUL	0.000001	**0.000000**	0.000001	**0.000000**	**0.000000**	**0.000000**	0.010000	**0.000000**	**0.000000**	**0.000000**	0.005833	**0.000000**
	Best	1	3	1	3	2	3	1	3	1	3	1	3
	Performance		out 3				out 3				out 3		
	Error Average	0.000001	**0.000000**	**0.000000**	**0.000000**	0.003333	**0.000000**	0.006667	**0.000000**	0.003056	**0.000000**	0.004444	**0.000000**

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

		MSE (24 hours)				MaxPE (24 hours)				MeanPE (24 hours)			
	Month	A1	A2	A3	A4	A1	A2	A3	A4	A1	A2	A3	A4
	SET	3.210432	1.980742	1.358441	**1.210091**	28.360000	17.970000	**16.790000**	17.160000	8.609167	11.530833	**6.261667**	7.597500
	NOV	4.259127	0.566459	0.524201	**0.454446**	19.480000	23.450000	**11.210000**	15.570000	2.121250	4.887083	**0.910833**	1.332917
High	OCT	0.001253	**0.000095**	0.095251	0.007700	0.410000	0.170000	**0.000000**	1.130000	0.352917	0.087917	**0.000000**	0.832500
	Best	0	1	0	2	0	0	3	0	0	0	3	0
	Performance		out 3				out 3				out 3		
	Error Average	2.490271	0.849099	0.659297	0.557412	16.083333	13.863333	9.333333	11.286667	3.694444	5.501944	2.390833	3.254306
	ABR	2.135461	**0.012413**	0.033046	1.032471	0.350000	0.030000	**0.000000**	0.500000	0.014583	0.001250	**0.000000**	0.030833
	FEB	0.005281	**0.000888**	0.302865	0.007300	0.830000	0.200000	4.060000	**0.010000**	0.244167	0.043333	1.398333	**0.000417**
	AGO	3.908497	1.619529	**0.977763**	1.154441	20.820000	**0.000000**	**0.000000**	**0.000000**	3.362500	**0.000000**	**0.000000**	**0.000000**
Medium	MAR	**0.000003**	0.000009	**0.000003**	0.000004	**0.010000**	0.040000	0.050000	0.050000	**0.002917**	0.005417	0.007917	0.011667
	Best	1	2	2	0	1	1	2	2	1	1	2	2
	Performance		out 4				out 4				out 4		
	Error Average	1.512310	0.408210	**0.328419**	0.548554	5.502500	**0.067500**	1.027500	0.140000	0.906042	0.012500	0.351563	**0.010729**
	MAY	0.000001	**0.000000**	**0.000000**	**0.000000**	0.010000	**0.000000**	**0.000000**	**0.000000**	0.005833	**0.000000**	**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**	0.004583	0.000417
Low	JUL	0.000001	**0.000000**	0.000001	**0.000000**	**0.000000**	**0.000000**	0.010000	**0.000000**	**0.000000**	**0.000000**	0.002917	**0.000000**
	Best	1	3	2	3	2	3	1	2	2	3	1	2
	Performance		out 3				out 3				out 3		
	Error Average	0.000001	**0.000000**	**0.000000**	**0.000000**	0.003333	**0.000000**	0.006667	0.003333	0.001944	**0.000000**	0.002500	0.000139